

# PROGRAM

**Annual Meetings  
June 23-27, 2006**

*American Society of Naturalists*

*Society for the Study of Evolution*

*Society of Systematic Biologists*

**STONY  
BROOK**

STATE UNIVERSITY OF NEW YORK

Stony Brook University  
Stony Brook, New York

# ACKNOWLEDGMENTS

It would not have been possible to organize Evolution 2006 without the cooperation, contributions, and assistance of many people. The officers of all three societies, a large fraction of the graduate students, postdocs, and faculty in our department, several Stony Brook staff members and administrators, and the sponsors of the meeting contributed to our efforts.

The executive vice-presidents **Jessica Gurevitch** (SSE), **Mary E. Power** (ASN), and **Pamela S. Soltis** (SSB) funneled information on the council meetings, symposia, and special sessions to us.

As usual, the heavy lifting was done by graduate students, most of whom are in the Graduate Program in Ecology and Evolution at Stony Brook. **Annie Green**, the meeting coordinator, did a superb job of providing continuity during the past year, interfacing with the administration, every volunteer committee, sponsors, and us. Annie was involved in everything, kept us on track, and was instrumental in organizing the meeting. We owe her and three committee chairs who assumed unusually large responsibilities, **Ramona Walls** (Registration), **Sarah Gray** (Hospitality) and **Chris Jensen** (Program), special thanks. In addition, the following committee members contributed their time: **Davide Arcuri**, **Daniel Moen**, **Shu-Dan Yeh**, **Peter J. Park**, **Nicole Lashbrook**, **Matthew Travis**, **Norah Warchola**, **Adam Ehmer**, **Cathy McGlynn**, **Robert Harnett**, **Dave Ruggiero**, **Sarah Smith**, **Dan Stoebel**, **Roman Yukilevich**, **J. Matt Hoch**, **Windsor E. Aguirre**, **Saad Arif**, **Josh Banta**, **Jennifer Dixson**, **Jonathan Flowers**, **Mark Jonas**, **Toni Lyn Morelli**, **Eliza Woo**, **Seiji Kumagai**, **M. Caitlin Fisher-Reid**, **Kelly O'Donnell**, **Rodrigo Cogni**, **Christina Richards**, **Chris Noto**, **Summer Ostrowski**, **Thomas Merritt**, **Melanie Delion**, **Josh Mackie**, **Bengt J. Allen**, **Lee Brown**, **Sybil G. Gotsch**, **Lei Zhu**, **Joe Lachance**, and **Jorge Velasquez**.

Several of our departmental colleagues helped organization of the meeting. **Jim Rohlf** wrote or supervised the website for the meeting. He also coordinated our planning and activities with administrative offices on campus. **Fumio Aoki** wrote much of the code for the website and related data capture. **John True** helped design and acquire T-shirts, and **Catherine Graham** organized the entertainment. **Doug Futuyma** worked with **Joel Cracraft** of the American Museum of Natural History to arrange events at the Museum for the meeting, and those events would not have been possible without the cooperation and effort of our colleagues at the AMNH. **Donna DiGiovanni** supervised the account for the meeting, and **Jessica Gurevitch** managed a smaller fund. **Charlie Janson** committed departmental staff effort, resources, and facilities for the meeting and provided additional contacts with the university administration.

Each of the symposium organizers recruited her or his speakers and scheduled all the presentations in the symposia.

Members of several administrative units at Stony Brook University contributed to this meeting. **James Staros**, Dean, College of Arts and Sciences, generously contributed seed money to organize the meeting, and **Robert McGrath**, University Provost, co-sponsored the SSE Education Committee's Outreach Lecture. **Ann Brody**, Assistant Director, Conferences and Special Events, did a heroic job to identify, reserve, and plan for the use of lecture halls, rooms, buses, and other facilities, coordinate catering, and reserve off-campus housing. **Manuel Cortes**, Coordinator for Conference Housing, squeezed as many people into the residence halls as possible. **Dave Jagsarran**, Director, Catering, supervised all catering for meals, coffee breaks, and receptions. **Karen Leibowitz**, Art Director, Office of Communications, created the final versions of the meeting logos from preliminary versions by **John True**. **Karen Kernan**, Director, Undergraduate Research and Creative Activities Program, loaned us the easels for the poster sessions.

**Doug Futuyma** of our department and **Marilyn Jordan**, Conservation Scientist, The Nature Conservancy of Long Island, contributed their time and expertise for the bird watching and pine barrens field trips. **Louisa Hargrave**, Director of Stony Brook University's Center for Wine, Food, and Culture planned the wine tasting tour and on-campus wine tasting event.

We are grateful for the generous contributions of our colleagues here at Stony Brook, at the American Museum of Natural History, and in the three societies for their assistance, suggestions, and advice.

**Michael A. Bell** and **Massimo Pigliucci**  
Department of Ecology and Evolution, Stony Brook University

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## Registration and Information

Registration and general help are available in the Wang Center Lobby at the following times:

Friday, June 23 <sup>rd</sup>	1:00 – 8:00 pm
Saturday, June 24 <sup>th</sup>	8:00 am – 5:00 pm
Sunday, June 25 <sup>th</sup>	8:00 am – 5:00 pm
Monday, June 26 <sup>th</sup>	8:00 am – 5:00 pm
Tuesday, June 27 <sup>th</sup>	8:00 am – 5:00 pm

Meeting volunteers from *Stony Brook University* have a green banner on the bottom of their nametags – if you have a question or concern, feel free to speak to one of these volunteers.

## Message Board

A message board is located near the *Registration and Information Desk* in the Wang Center Lobby.

## Presentations

Each meeting room will be provided with a laptop PC, a video projector, and an operator. The computer will be provided with software for PowerPoint and Acrobat PDF presentations. With so many talks it will not be possible for presenters to use their own laptop computers. The PowerPoint or PDF files must be provided before the start of a session on either a CD or an USB "thumb drive." Please report to the room of your session at least 20 minutes before the beginning of the session. At least one room will be available with computers to enable presenters to double-check their presentations or make last-minute changes but with so many participants expected the lines may be long. Bring your own laptop if possible.

## Internet access during the conference

While some Internet connected computers will be available, they may not be sufficient for such a large conference. Those who bring their own laptop will be able to connect to the Internet using a wired Ethernet connection in the Wang Center. Wireless access to the Internet will also be possible in parts of the Wang Center and several other buildings used by the conference.

## Transportation

*Taxi services:*

Bluesky Taxi 631-474-0173	Tom's Taxi 631-331-1121	East End Taxi 631-324-0077	A Cab Service, Inc. 631-473-1300
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*Shuttle Buses to Local Hotels:*

Shuttle buses will run between the Wang Center and the Hampton Inn and Radisson Hotel (both at exit 63 of the Long Island Expressway/495). Wang Center dropoffs/pickups will be by the theatre entrance cutout.

These buses operate on the following schedule:

**Friday, June 23:** 12:45 pm bus leaves Radisson, stops at Hampton Inn, 1:30 pm – drop off at Wang Center, service continues on the hour until 7 pm. Bus will wait at Wang Center for any participants returning to hotels. Last departure from Wang Center at 10:15 pm.

**Saturday, June 24:** Bus leaves Radisson at 7:30 am, stops at Hampton Inn, 8:15 am drop off at Wang Center. Bus leaves Radisson again at 9:15 am, stops at Hampton Inn, 9:45 am drop off at Wang Center. Buses returning to the Radisson & Hampton Inn depart from the **SAC loop** at 7:30 pm, 8:00 pm, 8:30 pm, and 9:00 pm. Buses returning to the Radisson & Hampton Inn depart from the **Wang Center** at 9:30 pm, and 10:45 pm.

**Sunday, June 25:** Bus leaves Radisson at 7:30 am, stops at Hampton Inn, 8:15 am drop off at Wang Center. Bus leaves Radisson again at 9:15 am, stops at Hampton Inn, 9:45 am drop off at Wang Center. Buses returning to the Radisson & Hampton Inn depart from the **SAC loop** at 7:00 pm, 7:30 pm, 9:30 pm, 10:00 pm, 10:30 pm, and 11:00 pm.

**Monday, June 26:** Bus leaves Radisson at 7:30 am, stops at Hampton Inn, 8:15 am drop off at Wang Center. Bus leaves Radisson again at 9:15 am, stops at Hampton Inn, 9:45 am drop off at Wang Center. Buses returning to the Radisson & Hampton Inn depart from the **SAC loop** at 8:30 pm and 9:00 pm. Buses returning to the Radisson & Hampton Inn depart from the **Wang Center** at 9:30 pm, and 10:45 pm.

**Tuesday, June 27:** Bus leaves Radisson at 7:30 am, stops at Hampton Inn, 8:15 am drop off at Wang Center. Bus leaves Radisson again at 9:15 am, stops at Hampton Inn, 9:45 am drop off at Wang Center. Buses returning to the Radisson & Hampton Inn depart from the **SAC loop** at 5:30 pm, 7:30 pm, and 10:15 pm. Buses returning to the Radisson & Hampton Inn depart from the **Wang Center** at 7:30 pm.

*Shuttle Buses to Port Jefferson:*

Shuttle buses between the Wang Center and Port Jefferson will be available on June 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> between the hours of 6 pm and 11:30 pm. Pickup/Dropoff at Wang Center will be at the cutout by the Wang Center *Theatre Entrance*. Dropoff/Pickup in Port Jefferson will be determined by bus company. Catch the bus in Port Jefferson where you are dropped off.

Pickups at Wang Center should be on the hour. Departures from Port Jefferson should be on the half hour except that **last pickup in Port Jefferson will be 11:00 pm**.

## Refreshment Breaks

Morning and afternoon refreshment breaks will be available June 24<sup>th</sup> through June 27<sup>th</sup> during two intersession intervals: **10:00 – 10:30 am** and **3:00 – 3:30 pm**. Refreshment breaks will be offered in the SAC Why lobby & 3rd floor area and Wang Skylight lobby & Chapel.

## Dining

*On campus eateries:*

**Student Activities Center (SAC) cafeteria** - Freshly prepared items for breakfast, lunch, or dinner. Sat 10am-6pm, Sun 10am-7pm, Mon-Tue 7:30am-7pm, Wed-Fri 7:30am-6pm

**University Café** - full service espresso and tea bar, wide selection of beer and wine, variety of desserts, pastries, cheese & fruit and panini. Located on the side of the Student Union. Lunch 12-4 and lounge (light fare and beverages) 5pm-2am. World Cup shown here!

**Jasmine** - Located in the Wang Center. Serves Indian, Chinese, Thai, Japanese Grill, and Sushi. Sat 11am-6pm, Sun-Mon-Tue 11am-8pm, Thu-Fri 11:00am-6:00pm.

*On campus nightlife:*

Tabler Arts Center:

Friday, June 23 <sup>rd</sup>	8:00 pm – 1:00 am
Saturday, June 24 <sup>th</sup>	8:00 pm – 1:00 am
Monday, June 26 <sup>th</sup>	8:00 pm – 1:00 am

University Café:

Thursday, June 22 <sup>nd</sup>	5:00 pm – 2:00 am
Friday, June 23 <sup>rd</sup>	5:00 pm – 2:00 am
Saturday, June 24 <sup>th</sup>	5:00 pm – 2:00 am
Sunday, June 25 <sup>th</sup>	5:00 pm – 2:00 am
Monday, June 26 <sup>th</sup>	5:00 pm – 2:00 am
Tuesday, June 27 <sup>th</sup>	5:00 pm – 2:00 am

A more thorough listing of bars and restaurants can be found inside your registration packet.

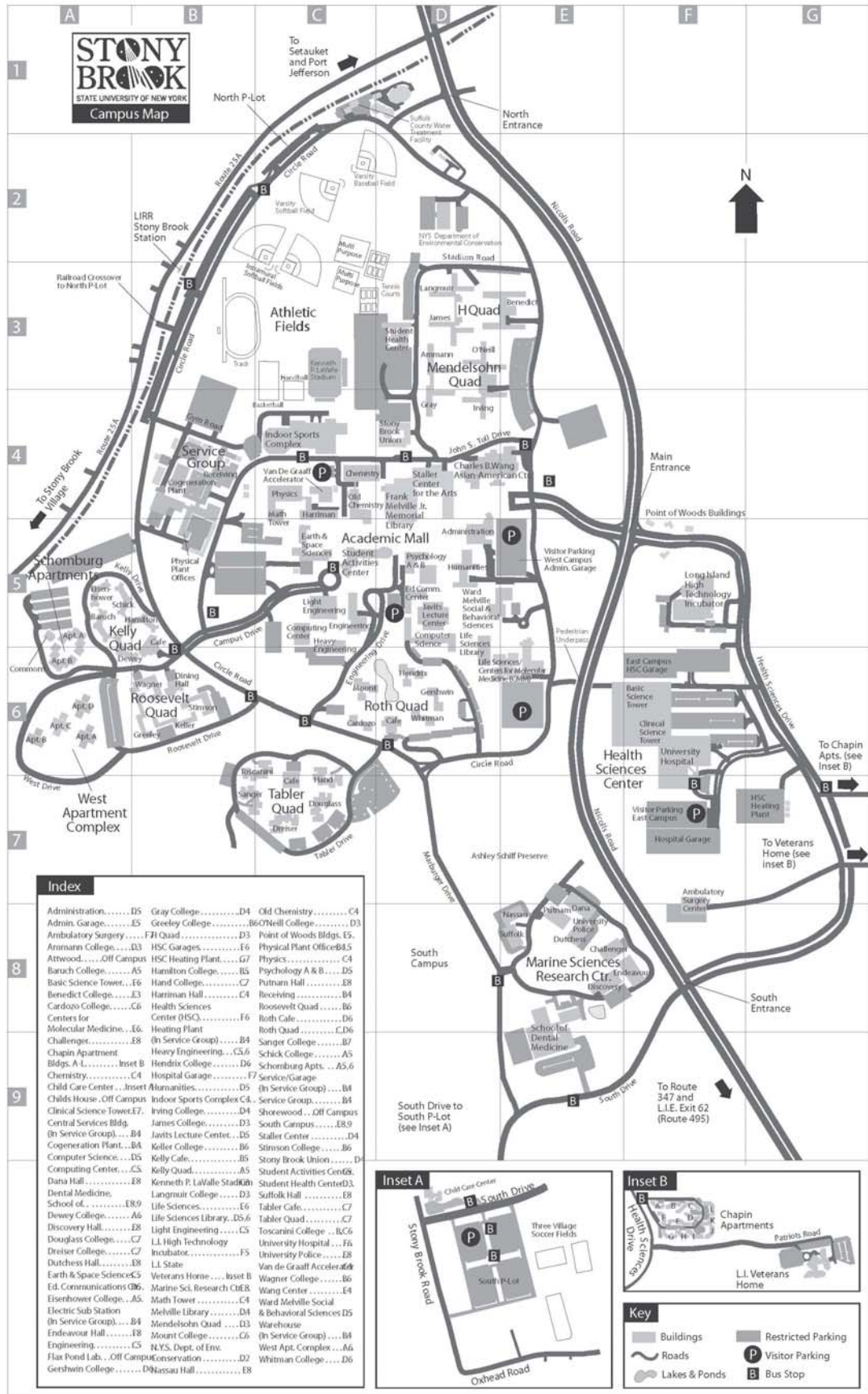
## Other info

### *Banking*

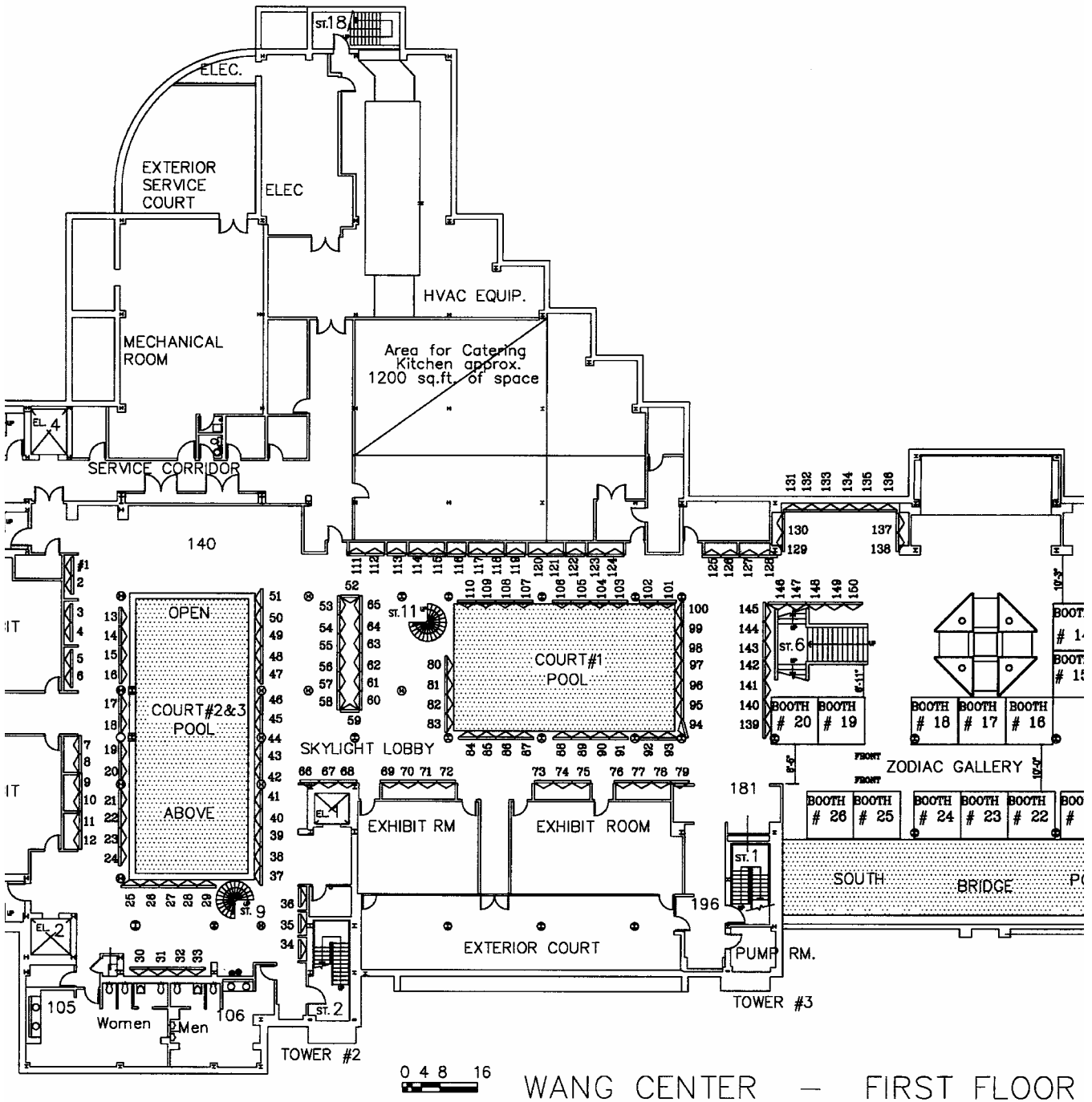
*Teacher's Federal Credit Union* ATM's and tellers are available in the Student Activities Center. A *Bank of America* ATM is located in the Stony Brook Union.

### *Medical services & Emergency numbers*

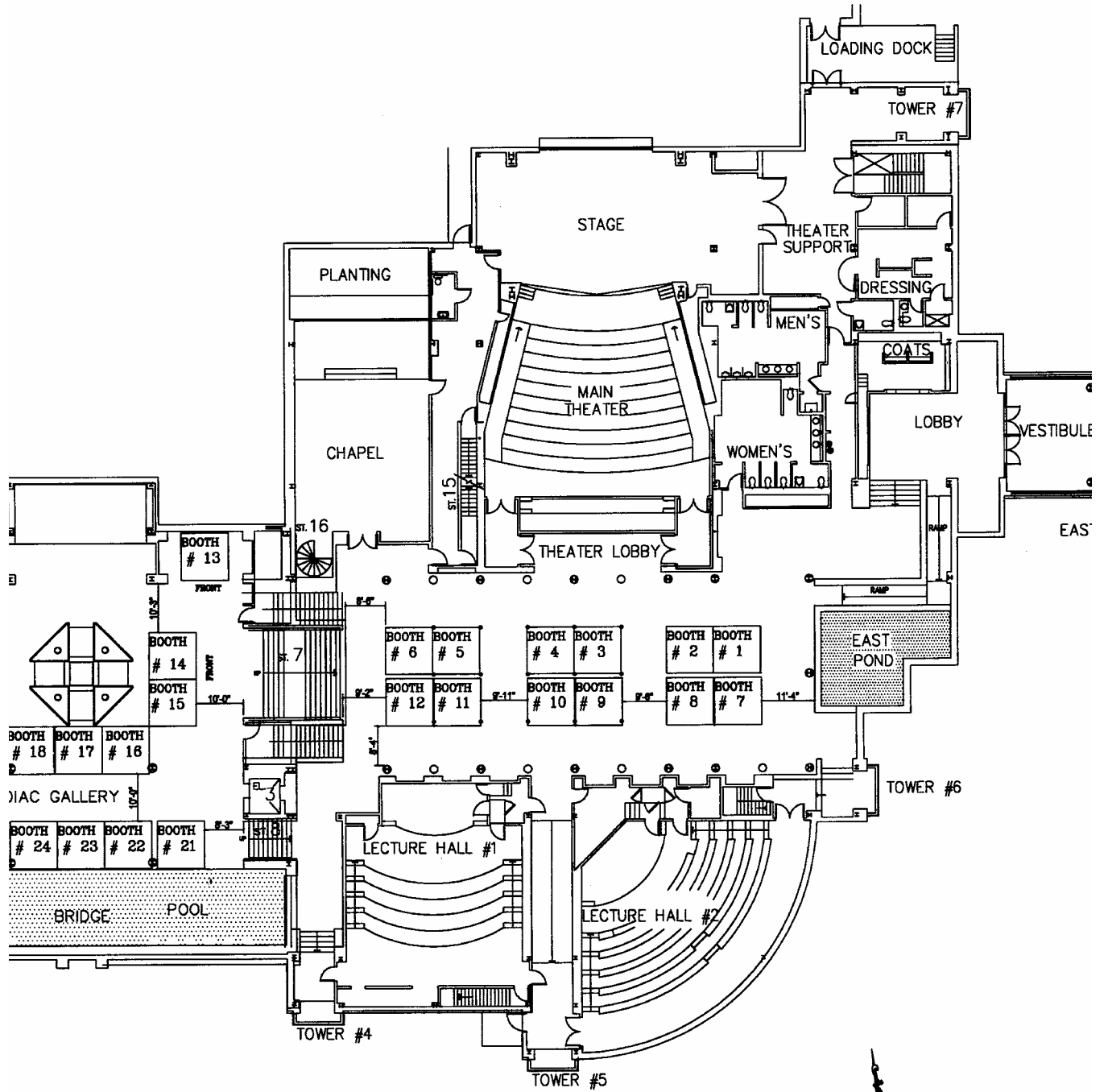
Stony Brook Hospital is located on campus. In the event of emergency, call 631-444-2499.



# Wang Center Map showing poster and exhibitor booth locations:







& PARTIAL SECOND FLOOR

## Exhibitors & Publishers:

Booths will be set up in the Wang Center during the following hours:

Friday, June 23 <sup>rd</sup>	5:00 – 10:00 pm
Saturday, June 24 <sup>th</sup>	9:00 am – 5:00 pm, 8:30 – 10:30 pm
Sunday, June 25 <sup>th</sup>	9:00 am – 5:00 pm
Monday, June 26 <sup>th</sup>	9:00 am – 5:00 pm, 8:30 – 10:30 pm
Tuesday, June 27 <sup>th</sup>	9:00 am – 5:00 pm

Please check the map on pages 6-7 to find the locations of these booths:

Booth #	Name of Company
1	Sinauer Associates, Inc
2	
3	New Phytologist
4	Blackwell Publishing
5	Simbiotic Software
6	CodonCode Corporation
7	Princeton University Press
8	University of California Press
9	Blackwell Publishing
10	
11	Sequenom
12	Oxford University Press
13	Cold Spring Harbor Laboratory Press
14	University of Chicago Press
15	Quarterly Review of Biology
16	Prentice Hall
17	H. Stevan Logsdon
18	National Evolution Synthesis Center
19	The Royal Society
20	Cambridge University Press
21	Springer
22	Roberts and Company Publishing
23	Taylor and Francis
24	Academia Book
25	Dragonfly Glass
26	Skulls Unlimited International, Inc.

**Wednesday, 21 June – Early Arrival**

Dormitory check in

Roth Quad/Tabler Quad

**Thursday, 22 June – Early Arrival, Optional Activities at AMNH**

Dormitory check in

Roth Quad/Tabler Quad

Day Trip to the ***American Museum of Natural History*** (on own, free admission)

10:00 am – 5:45 pm Visit permanent exhibitions

10:00 am – 5:45 pm “Darwin” exhibition

5:45 – 6:00 pm Reception at *American Museum of Natural History* for Evolution 2006 registrants7:00 – 8:00 pm Lecture at the *American Museum of Natural History*. **Sean Carroll**: “Endless Forms Most Beautiful: The New Science of Evo Devo.”*To be arranged:* Meetings with AMNH curators and collection visits**Friday, 23 June – Regular Arrival, Council Meetings, Field Trips and Tours**

1:00 pm – 8:00 pm

Registration/Information

Wang Center

**Field Trips and Tours**

7:45 am – 5:00 pm Fire and Water: Ecology of the Long Island Pine Barrens

8:00 am – 5:00 pm Birds of Long Island

10:00 am – 5:00 pm Long Island’s East End Vineyards With Wine Tasting

11:00 am – 2:00 pm Joint Council Meeting

Wang Center 201

2:00 – 5:30 pm SSE Council Meeting

Wang Center 201

2:00 – 5:30 pm SSB Council Meeting

Wang Center 101

2:00 – 5:30 pm ASN Council Meeting

Wang Center 102

7:00 – 10:00 pm Opening Reception

Wang Center

### Saturday, 24 June – Sessions

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7:30 am	Breakfast (meal ticket)	Student Activities Center
8:00 am – 5:00 pm	Registration/Information	Wang Center
8:00 – 10:00 am	SSB Symposium <i>Species Delimitation: New Approaches for Discovering Diversity</i>	Wang Theatre
8:30 – 10:00 am	Contributed Paper Sessions	Wang Center & Student Activities Center
10:00 – 10:30 am	Coffee Break	Wang Center & Student Activities Center
10:30 am – 12:30 pm	SSB Symposium <i>Species Delimitation: New Approaches for Discovering Diversity</i>	Wang Theatre
10:30 am – 12:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
12:00– 1:30 pm	Lunch (meal ticket)	Student Activities Center
12:00 – 1:30 pm	Workshop: <i>Survival of the Fittest: How to Get a Job in Academia</i>	Stony Brook Union Ballroom
12:00 – 1:30 pm	Meeting for <i>Systematic Biology</i> Associate Editors	Wang Center 101
12:00 – 1:30 pm	Meeting for <i>Evolution</i> Editorial Board	Wang Center 102
12:30 – 1:30 pm	ASN Business Meeting	Wang Center 104
1:15 – 3:00 pm	SSE Symposium <i>Alternative Perspectives on Evolutionary Dynamics</i>	Wang Theatre
1:30 – 3:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
3:00 – 3:30 pm	Coffee Break	Wang Center & Student Activities Center
3:30 – 5:00 pm	SSE Symposium <i>Alternative Perspectives on Evolutionary Dynamics</i>	Wang Theatre
3:30 – 5:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
5:15 – 6:15 pm	SSB Presidential Address	SAC Auditorium

**Saturday, 24 June – Sessions (continued)**

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6:15 – 7:15 pm	SSB Business Meeting	SAC Auditorium
6:15 – 8:30 pm	BBQ Dinner (meal ticket with entry time)	SAC Plaza
8:30 – 10:30 pm	Poster Session I	Wang Center

**Sunday, 25 June – Sessions**

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7:30 am	Breakfast (meal ticket)	Student Activities Center
8:00 am – 5:00 pm	Registration/Information	Wang Center
8:30 – 10:05 am	SSE Symposium <i>The Evolution of Behavioral Phenotypes</i>	SAC Auditorium
8:30 – 10:00 am	Contributed Paper Sessions	Wang Center & Student Activities Center
10:00 – 10:30 am	Coffee Break	Wang Center & Student Activities Center
10:30 am – 12:00 pm	SSE Symposium <i>The Evolution of Behavioral Phenotypes</i>	SAC Auditorium
10:30 am – 12:00 pm	SSB <i>Ernst Mayr Award Session</i>	SAC 302
10:30 am – 12:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
12:00– 1:30 pm	Lunch (meal ticket)	Student Activities Center
12:00– 1:30 pm	Meeting for the <i>American Naturalist</i> Editorial Board	Wang Center 101
12:30 – 1:30 pm	NSF Funding Opportunities	Wang 401
1:30 – 3:10 pm	ASN Symposium <i>Merging Ecological and Evolutionary Approaches to Understanding Geographic Patterns in Species Richness</i>	Wang Theatre
1:30 – 3:00 pm	SSB <i>Ernst Mayr Award Session</i>	SAC 302
1:30 – 3:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center

**Sunday, 25 June – Sessions (continued)**

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3:00 – 3:30 pm	Coffee Break	Wang Center & Student Activities Center
3:30 – 5:00 pm	ASN Symposium <i>Merging Ecological and Evolutionary Approaches to Understanding Geographic Patterns in Species Richness</i>	Wang Theatre
3:30 – 5:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
5:15 – 6:15 pm	ASN Presidential Address	SAC Auditorium
7:00 – 8:30 pm	Movie Sneak Preview: <i>Flock of Dodos</i>	SAC Auditorium
8:30 – 12:30 am	Battle of the Bands/General Gathering	SAC Ballroom A

**Monday, 26 June – Sessions**

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7:30 am	Breakfast (meal ticket)	Student Activities Center
8:00 am – 5:00 pm	Registration/Information	Wang Center
8:30 – 10:00 am	JEB/ESEB Symposium <i>Integrative Studies of Evolutionary Processes</i>	Wang Theatre
8:30 – 10:00 am	SSE Symposium <i>Intelligent Design on Trial: Lessons from the Kitzmiller v. Dover Creationism Case</i>	SAC Auditorium
8:30 – 10:00 am	Contributed Paper Sessions	Wang Center & Student Activities Center
10:00 – 10:30 am	Coffee Break	Wang Center & Student Activities Center
10:30 am – 12:30 pm	JEB/ESEB Symposium <i>Integrative Studies of Evolutionary Processes</i>	Wang Theatre
10:30 am – 12:30 pm	SSE Symposium <i>Intelligent Design on Trial: Lessons from the Kitzmiller v. Dover Creationism Case</i>	SAC Auditorium
10:30 am – 12:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
12:00– 1:30 pm	Lunch (meal ticket)	Student Activities Center

**Monday, 26 June – Sessions (continued)**

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12:15 – 1:15 pm	Eugenie Scott: <i>Beaten, but not Defeated: Creationism after Kitzmiller</i>	SAC Auditorium
12:30 – 1:30 pm	Top tips on writing reviews, <i>Trends in Ecology and Evolution</i>	SAC 302
1:30 – 2:30 pm	JEB/ESEB Symposium <i>Integrative Studies of Evolutionary Processes</i>	Wang Theatre
1:30 – 3:15 pm	SSE Symposium <i>Intelligent Design on Trial: Lessons from the Kitzmiller v. Dover Creationism Case</i>	SAC Auditorium
1:30 – 3:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
3:00 – 3:30 pm	Coffee Break	Wang Center & Student Activities Center
3:30 – 5:30 pm	SSE Symposium <i>Intelligent Design on Trial: Lessons from the Kitzmiller v. Dover Creationism Case</i>	SAC Auditorium
3:30 – 5:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
5:00 – 6:00 pm	Undergraduate Diversity Reception	Stony Brook Union Ballroom
5:00 – 7:00 pm	Wine Tasting (ticketed event)	Wang Center Chapel
5:30 – 6:30 pm	SSE Business Meeting	SAC 302
6:30 – 7:30 pm	Press Dinner (ticketed event)	SAC Art Gallery
7:30 – 9:00 pm	SSE Public Outreach/Provost Distinguished Lecture, Eric Rothschild and Steve Harvey	SAC Auditorium
9:00 – 11:00 pm	Poster Session II	Wang Center

**Tuesday, 27 June – Sessions**

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7:30 am	Breakfast (meal ticket)	Student Activities Center
8:00 am – 5:00 pm	Registration/Information	Wang Center

**Tuesday, 27 June – Sessions (continued)**


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8:40 – 10:00 am	ASN Symposium <i>Young Investigators Prize Symposium</i>	Wang Theatre
8:30 – 10:00 am	Contributed Paper Sessions	Wang Center & Student Activities Center
10:00 – 10:30 am	Coffee Break	Wang Center & Student Activities Center
10:30 am – 11:50 pm	ASN Symposium <i>Young Investigators Prize Symposium</i>	Wang Theatre
10:30 am – 12:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
12:00– 1:30 pm	Lunch (meal ticket)	Student Activities Center
1:30 – 2:30 pm	Dobzhansky Prize Winner lecture	SAC 304
1:30 – 3:00 pm	National Evolution Synthesis Center (NESCent) <i>Synthesizing evolution: a sampling of current activities</i>	SAC Auditorium
1:30 – 3:00 pm	SSB Symposium <i>Patterns of Codiversification in Specialized Communities</i>	Wang Theatre
1:30 – 3:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
2:45 – 4:00 pm	Joint Council Meeting	Wang Center 101
3:00 – 3:30 pm	Coffee Break	Wang Center & Student Activities Center
3:30 – 5:00 pm	SSB Symposium <i>Patterns of Codiversification in Specialized Communities</i>	Wang Theatre
3:30 – 5:00 pm	Contributed Paper Sessions	Wang Center & Student Activities Center
4:00 – 5:00 pm	SSE Council Meeting	Wang Center 101
4:00 – 5:00 pm	SSB Council Meeting	Wang Center 102
4:00 – 5:00 pm	ASN Council Meeting	Wang Center 104
4:00 – 5:00 pm	Undergraduate Career Pep Talk	Wang Lecture Hall 2
5:15 –6:00 pm	Cocktails	Wang Center
6:15 – 7:30 pm	Awards Presentation	SAC Auditorium
7:30 – 10:00 pm	Banquet (ticketed event)	SAC Ball Rooms



**Saturday, June 24**

**SSB Symposium *Species Delimitation***

*Organizer:* John Wiens

Wang Theatre

- 8:00 Morphology, molecules, and species delimitation  
**John Wiens**, Stony Brook University
- 8:20 Species concepts and species delimitation  
**Kevin de Queiroz**, U.S. National Museum
- 8:40 When do gene trees mislead? Separating signal from noise in genealogical information  
**Lacey Knowles**, University of Michigan
- 9:00 Species limits in naturally fragmented systems  
**Marshal Hedin**, San Diego State University
- 9:20 Detecting hybridization and species limits with phylogeographic data  
**Jack Sullivan**, University of Idaho
- 9:40 The nature of plant species  
**Loren Rieseberg**, University of British Columbia
- 10:00 Coffee break
- 10:30 Species, SNPs, and Systematics: Defining species in a post-genomic age  
**Brad Shaffer** and **Robert Thomson**, University of California at Davis
- 10:50 Using niche modeling and phylogenetics in species delimitation  
**Leslie Rissler**, University of Alabama
- 11:10 Using niche modeling to discover new populations, new species, and cryptic species  
**Chris Raxworthy**, American Museum of Natural History
- 11:30 DNA barcoding  
**Paul Hebert**, Guelph University
- 11:50 Web-based taxonomy  
**Charles Godfray**, Imperial College of London
- 12:10 Implications of species delimitation for conservation biology  
**Keith Crandall**, Brigham Young University

**Saturday, June 24**

**SSE Symposium *Alternative Perspectives on Evolutionary Dynamics***

*Organizers:* Richard Gomulkiewicz and Steve Proulx

Wang Theatre

- 1:15 Intro: Alternative perspectives on evolutionary dynamics  
**Richard Gomulkiewicz**, Washington State University
- 1:30 Stress and variability: non-uniform modifiers of sex, migration, and death  
**Lilach Hadany**, University of Iowa
- 2:00 Modeling the evolution of genome structure: The adaptive dynamics of gene duplication  
**Steve Proulx**, Iowa State University
- 2:30 Modeling the coevolutionary dynamics of quantitative traits  
**Scott Nuismer**, University of Idaho
- 3:00 Coffee Break
- 3:30 Simplified representations of two types of adaptive change in ecological models  
**Peter Abrams**, University of Toronto
- 4:00 Modeling the evolution of complex interactions  
**Sean Rice**, Texas Tech University
- 4:30 Unifying evolutionary dynamics: From individual stochastic processes to macroscopic models  
**Regis Ferriere**, École Normale Supérieure and University of Arizona

**Sunday, June 25**

**SSE Symposium *The Evolution of Behavioral Phenotypes***

*Organizers:* John True & Susan Foster

SAC Auditorium

- 8:30 Welcome and opening remarks  
**John True**
- 8:35 The genetic architecture of *Drosophila* behavior  
**Trudy F.C. Mackay**
- 9:05 Social interactions, indirect genetic effects, and evolution  
**Allen Moore**
- 9:35 Genotype-by-environment interaction and sexual selection  
**Chris Boake**
- 10:05 Coffee
- 10:30 Ancestral Plasticity and the evolution of behavioral phenotypes  
**Susan Foster**
- 11:00 The role of learning in behavioral evolution  
**Frederic Mery**
- 11:30 Genetics of individual variation in human emotion and personality  
**Turhan Canli**
- 12:00 Lunch
- 1:30 Evolution and genetics of an adaptive mammalian behavior  
**Hopi Hoekstra**
- 2:00 Effects of reversed and relaxed selection on behavior  
**Matthew Wund**
- 2:30 Hormones as mediators of behavioral adaptation and constraint  
**Ellen Ketterson**
- 3:00 Coffee
- 3:30 From molecules to mating systems: neural substrates of behavioral evolution  
**Steven Phelps**
- 4:00 Food related behaviors: From nature to molecule and back again  
**Mark J. Fitzpatrick**
- 4:30 Closing remarks  
**Susan Foster**

**Sunday, June 25**

**SSB Ernst Mayr Sessions**

SAC 302

**Session 1**

- 10:30 Evolution of an archipelago: insights from the phylogeography of the Chatham Islands skink  
**Libby Liggins**, Victoria University of Wellington
- 10:45 Molecular Phylogenetics of the Lizard Genus *Microlophus* (Tropiduridae): Retrieving Indel Signal from Nuclear Introns  
**Edgar Benavides**, Brigham Young University
- 11:00 Mitochondrial Genomes and Avian Phylogeny: Complex Characters and Resolvability without Explosive Radiations  
**Gillian Gibb**, Massey University
- 11:15 Hybrid Zone Dynamics between Two Species of Salamanders in the Genus *Plethodon*  
**Matthew W. H. Chatfield**, University of Michigan
- 11:30 Ants, Clocks, and Rocks: The Phylogeny and Diversification of Modern Ants  
**Corrie Saux Moreau**, Harvard University
- 11:45 Bloodsucking pollinators converge: local adaptation in long tongued horse flies (Diptera: Tabanidae)  
**Shelah I Morita**, University of California

**Session 2**

- 1:30 Flyfishing parasitoids: the occurrence and evolutionary implications of the ovipositor clip within Cynipoidea (Insecta: Hymenoptera)  
**Matt Buffington**, Florida State University
- 1:45 Nuclear markers resolve ratite phylogenetic relationships and the position of palaeognaths in the avian tree of life  
**Oliver Haddrath**, Royal Ontario Museum
- 2:00 Development of genome-scale nuclear gene markers for the tree of ray-finned fish  
**Chenhong Li**, University of Nebraska, Lincoln
- 2:15 A biologist's guide to dating  
**Simon Y.W. Ho**, University of Oxford
- 2:30 Dueling datasets: Why do mitochondrial and nuclear genes disagree on *Neodiprion* (Hymenoptera; Diprionidae) phylogeny?  
**Catherine R. Linnen**, Harvard University
- 2:45 Evaluating species limits in agamic and polyploid complexes in *Crataegus* (Rosaceae)  
**Eugenia Lo**, University of Toronto

**Sunday, June 25**  
**Ernst Mayr Sessions**  
SAC 302

*(continued from previous page)*

**Session 3**

- 3:30 Phylogeny of the superfamily Libelluloidea (Odonata)  
**Jessica Ware**, Rutgers University
- 3:45 Character evolution in *Myrmecocystus* honeypot ants  
**Brian O'Meara**, University of California, Davis
- 4:00 Allopatric speciation in the *Rhagoletis pomonella* species complex  
**Xianfa Xie**, North Carolina State University
- 4:15 A Bayesian implementation of mixture models and the phylogeny of South American *Stenocercus* lizards (Squamata: Iguania)  
**Omar Torres-Carvajal**, Smithsonian Institution

**Sunday, June 25**

**American Society of Naturalists, 2006 Vice Presidential Symposium *Merging ecological and evolutionary approaches to understanding geographic gradients in species richness***

*Organizer:* Susan Harrison

Wang Theatre

- 1:30 Biogeographic origins and the productivity-diversity relationship in Californian serpentine plants  
**Susan Harrison**, University of California - Davis
- 2:00 Correlates of diversification in the plant clade Dipsacales: geographic movement versus evolutionary innovation  
**Michael Donoghue**, Yale University (with B. Moore)
- 2:30 Niche conservatism and climate change as drivers of the global bird diversity gradient  
**Brad Hawkins**, University of California, Irvine (with J. A. F. Diniz-Filho, C. A. Jaramillo, and S. A. Soeller)
- 3:00 Coffee Break
- 3:30 A historical framework for understanding present day diversity gradients  
**Kaustuv Roy**, University of California - San Diego
- 4:00 Evolutionary and ecological causes of the latitudinal diversity gradient in amphibians  
**John Wiens**, SUNY-Stony Brook
- 4:30 History and diversity: explorations at the intersection of ecology and evolution  
**Robert Ricklefs**, University of Missouri - St. Louis

**Monday, June 26****JEB/ESEB Symposium *Integrative Studies of Evolutionary Processes****Organizer:* Daphne Fairbairn

Wang Theatre

- 8:30 The evolution of quorum sensing in microbes  
**Rolf Hoekstra**, Wageningen University
- 9:00 Limits to adaptation: what can microbes in test tubes tell us?  
**Nick Colegrave**, University of Edinburgh
- 9:30 Molecular convergence in host manipulation by parasites  
**Frédéric Thomas**, CNRS Montpellier
- 10:00 Coffee
- 10:30 Long-term evolution in ecologically-variable space  
**Ben Sheldon**, University of Oxford
- 11:00 Developmental control and evolution of body size  
**Fred Nijhout**, Duke University
- 11:30 Assessing invasiveness: genetic and phenotypic variation in an invasive species  
**Leena Lindstrom**, University of Jyväskylä
- 12:00 Lunch
- 1:30 Adaptive evolution of *Arabidopsis thaliana* in natural seasonal environments  
**Annie Schmitt**, Brown University
- 2:00 The evolution of specialization and speciation: models and data  
**Isabelle Olivieri**, University of Montpellier

**Monday, June 26**

**SSE Education Symposium *Intelligent Design on Trial: Lessons from the Kitzmiller v. Dover creationism case***

SAC Auditorium

- 8:30 From parent and teacher to plaintiff and director  
**Brian Rehm**, Kitzmiller Plaintiff and Member, Dover School Board
- 9:15 The ground rules of science  
**Robert T. Pennock**, Michigan State University
- 10:00 Coffee Break
- 10:30 On being a “hybrid expert:” detailing the intelligent design “Wedge Strategy” in federal court  
**Barbara Forrest**, Southeastern Louisiana University
- 11:15 Evolution and faith: What is at stake?  
**John F. Haught**, Georgetown University
- 12:00 Lunch
- 1:30 But is it good pedagogy?  
**Brian Alters**, McGill University
- 2:15 Fossils, genes, and mousetraps: the 21st century case for evolution  
**Kenneth R. Miller**, Brown University
- 3:15 Coffee Break
- 3:30 Beyond “he said, she said:” How to be fair when the debate isn’t balanced  
**Lauri Lebo**, *Lead local reporter*
- 4:15 Panel discussion for the press with all speakers + Pepper Hamilton attorneys

## ***Speaker Biographies:***

### **Brian Rehm**

From parent and teacher to plaintiff and director.

Kitzmiller Plaintiff

Plaintiff Brian Rehm will explain the Dover situation, giving an insider’s view of the dynamics of local school boards, the effect on the community, and the experience of taking an active role to defend science education. He is a newly elected member of the Dover school board, one of the Dover CARES slate of candidates that defeated the incumbents.



**Robert T. Pennock, Ph.D.**

The Ground Rules of Science

Professor of Science and Technology Studies & Professor of Philosophy, Michigan State University

Expert witness Robert Pennock testified on the nature of science, showing how ID violated the ground rules of science and was essentially religious in nature.

**Barbara Forrest, Ph.D.**

"On Being a 'Hybrid Expert': Detailing the Intelligent Design 'Wedge Strategy' in Federal Court"

Professor of Philosophy, Southeastern Louisiana University

Expert witness Barbara Forrest gave the history of the ID Movement, detailing their "Wedge Strategy" and showing how creationists changed their terminology from Creation Science to Intelligent Design.

**John F. Haught, Ph. D.**

Evolution and Faith: What is at Stake?

Department of Theology

Georgetown University

Expert witness John Haught explained how evolution is not necessarily incompatible with belief in God, and how teaching ID would be a violation of the theological sensitivities of many Christians.

**Brian Alters, Ph. D.**

But is it Good Pedagogy?

Tomlinson Chair in Science Education

Director, Evolution Education Research Centre

McGill University

Expert witness Brian Alters testified on the educational issues, showing that teaching ID would require teachers to use poor pedagogy, to disregard findings of the scientific community, to disregard recommendations of their national professional science teacher associations, contradict teachers' professional preparation and development, and improperly prepare students for postsecondary science education.

**Kenneth R. Miller, Ph.D.**

Fossils, genes, and mousetraps: the 21st century case for evolution

Professor of Biology, Brown University

Expert witness Kenneth Miller was the lead scientific witness, explaining the scientific evidence for evolution.

**Lauri Lebo**

"Beyond 'He said, she said:' How to be fair when the debate isn't balanced."

Lead local reporter

Laurie Lebo was a journalist who covered the Dover board controversy and the trial. She'll discuss her experience covering the story and its aftermath, and will also talk about what objectivity should mean for journalists covering science stories of this sort so that coverage goes beyond the he said she said model and accurately represents the facts.

**Tuesday, June 27**

**ASN Young Investigators Prize Symposium**

*Organizers:* Tia-Lynn Ashman, Cherie Briggs and Mark Bertness  
Wang Theatre

8:40 The evolution of genomes at large  
**Ryan Gregory**, University of Guelph

9:20 Unresolved Questions in the Ecology of Speciation  
**Patrik Nosil**, Simon Fraser University

10:00 Coffee

10:30 Speciation in Killifish and the Role of Salt Tolerance  
**Becky Fuller**, University of Illinois

11:10 Why environmental stress-consumer models are only 1/2 right: Lessons from climate-triggered runaway grazing in coastal ecosystems  
**Brian Silliman**, University of Florida

**Tuesday, June 27**

**SSB symposium *Patterns of co-diversification in specialized communities***

*Organizer:* David Althoff

Wang Theatre

- 1:30 Introduction  
**Kari Segraves**, Syracuse University
- 1:40 Symbiosis in the sea: patterns of coevolution in host-Symbiodinium (symbiotic dinoflagellate) associations  
**Scott Santos**, Auburn University
- 2:00 Coevolutionary dynamics within the fungus-growing ant-microbe quadripartite symbiosis  
**Cameron Currie**, University of Wisconsin-Madison
- 2:20 The evolutionary history of the fig-fig wasp mutualism  
**Carlos Machado**, University of Arizona
- 2:40 Cophylogeny of figs, pollinators, parasites, and parasitoids  
**George Weiblen**, University of Minnesota
- 3:00 Coffee Break
- 3:30 Cascading host-associated differentiation in insect communities and the evolutionary diversification of parasitic insects  
**John Stireman**, Wright State University
- 3:50 Comparing patterns of parallel diversification across independent origins of obligate mutualism in the Epicephala-Phyllanthaceae association  
**Atsushi Kawakita**, Kyoto University
- 4:10 Diversification in yucca moths and their parasitoids  
**David Althoff**, Syracuse University

## SPECIAL EVENTS:

**Saturday, June 24, 12:00 – 1:30 pm**

**SSE/SSB/ASN Workshop *Survival of the Fittest: How to Get a Job in Academia***

*Speakers:* Lorne Wolfe & Daniel Promislow

Stony Brook Union Ballroom

**Saturday, June 24, 5:15 – 6:15 pm**

**SSB Presidential Address *Systematics: an "unending synthesis"***

*Speaker:* Pamela S. Soltis, University of Florida

SAC Auditorium

**Sunday, June 25, 12:30 – 1:30 pm**

**Special Lecture *NSF Funding Opportunities***

*Speaker:* Juan Carlos Morales, Program Director Syst Biol & Biodiv Inventories, NSF Wang Center 401

**Sunday, June 25, 5:15 – 6:15 pm**

**ASN Presidential Address *The natural history of life and landscapes: towards predictive mapping***

*Speaker:* Mary E. Power, University of California, Berkeley

SAC Auditorium

**Sunday, June 25, 8:30 – 10:00 pm**

**Free Movie Sneak Preview: "Flock of Dodos"**

SAC Auditorium

**Sunday, June 25, 8:30 – 10:00 pm**

**Talent showcase (battle of the bands)**

SAC Ballroom A

**Monday, June 26, 12:15 – 1:15 pm**

**Special Lecture *Beaten, but not Defeated: Creationism after Kitzmiller***

*Speaker:* Eugenie Scott, National Center for Science Education

SAC Auditorium

**Monday, June 26, 12:30 – 1:30 pm**

**Trends in Ecology and Evolution *Top tips on Writing Reviews***

*Speaker:* Katrina A. Lythgoe

SAC 302

**Monday, June 26, 7:30 – 9:00 pm**

**SSE Public Outreach/Provost Distinguished Lecture *In defense of the first amendment: An Up-close look at the landmark "intelligent design" case of Kitzmiller v. Dover Area School District***

*Speakers:* Eric Rothschild and Steve Harvey, Pepper Hamilton LLP

SAC Auditorium

**Tuesday, June 27, 1:30 – 2:30 pm**

**Dobzhansky Prize Winner**

*Speaker:* Russell Bonduriansky

SAC 304

**Tuesday, June 27, 1:30 – 3:30 pm**

**National Evolution Synthesis Center (NESCent) *Synthesizing evolution: a sampling of current activities***

*Speaker:* Kathleen Smith

SAC Auditorium

## **SPECIAL MEETINGS:**

### **Friday, June 23:**

Joint Council Meeting, 11:00 am – 2:00 pm, Wang Center 201

SSE Council Meeting, 2:00 – 5:30 pm, Wang Center 201

SSB Council Meeting, 2:00 – 5:30 pm, Wang Center 101

ASN Council Meeting, 2:00 – 5:30 pm, Wang Center 102

### **Saturday, June 24:**

Meeting for Systematic Biology Associate Editors, 12:00 – 1:30 pm, Wang Center 101

Meeting for Evolution Editorial Board, 12:00 – 1:30 pm, Wang Center 102

ASN Business Meeting, 12:30 – 1:30 pm, Wang Center 104

SSB Business Meeting, 6:15 – 7:15 pm, SAC Auditorium

### **Sunday, June 25:**

Meeting for the American Naturalist Editorial Board, 12:00– 1:30 pm, Wang Center 101

### **Monday, June 26:**

SSE Business Meeting, 5:30 – 6:30 pm, SAC 302

### **Tuesday, June 27:**

Joint Council Meeting, 2:45 – 4:00 pm, Wang Center 101

SSE Council Meeting, 4:00 – 5:00 pm, Wang Center 101

SSB Council Meeting, 4:00 – 5:00 pm, Wang Center 102

ASN Council Meeting, 4:00 – 5:00 pm, Wang Center 104

# UNDERGRADUATE DIVERSITY AT SSE/SSB

## Congratulations to the students supported by the National Science Foundation:

Hilary Brazeal, Washington University  
 Anna Bree, University of California - Davis  
 Katelyn Burgett, Cedar Crest College  
 Mercedes Burns, Macalaster College  
 Thiago Lima, University of North Carolina - Wilmington  
 Shannon McDermott, Cedar Crest College  
 Martha Munoz, Boston University  
 Adria Pilsits, Southern Illinois University  
 Tasia Robertson, Brigham Young University  
 Rebecca Sealfon, Princeton University  
 Zunaira Shuja, State University of New York - Stony Brook  
 Jesse Silverman, Duke University  
 Peniel Tefera, University of Kansas  
 Huyen Truong, University of Virginia  
 Sharon VillageCenter, University of Washington  
 Roxanne Vouk, University of Washington  
 Toshio Yoshimatsu, University of Chicago

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## UNDERGRADUATE DIVERSITY AT SSB/SSE 2006

Organized by Scott Edwards (Museum of Comparative Zoology) and Richard Kliman (Cedar Crest College)

This year marks the fourth year of a NSF-sponsored program to bring a diverse group of undergraduates from around the country and Puerto Rico to the annual SSE/SSB meetings. This year the program was able to fund 17 students to present posters in a special undergraduate poster area to be held during the regular poster session on DAY, DATE. In addition, these undergraduates will receive mentoring from graduate students, postdocs and faculty during the meetings.

The program includes the annual "Diversity Social" on Monday, 26 June at 5:00 pm. All are invited to come and show their support for encouraging diversity and career advancement among undergraduates at SSE/SSB!

The Undergraduate Diversity Pep Talk will take place on Tuesday, 27 June at 4:00 pm.

### SSE Diversity group schedule

Saturday, June 24	U/G Posters	8:30 – 10:30 pm	Wang Center
Monday, June 26	Social	5:00 pm – 7:00 pm	SBU Ballroom
Tuesday, June 27	U/G Pep Talk	4:00 – 5:00 pm	Wang Lecture Hall 2











# SCHEDULE of TALKS and POSTERS

## How to use the Contributed Paper Sessions schedule grid:

1. Sessions for a given day and time are arranged horizontally. To find the session you are interested in, scan across the top of each page.
2. The locations of each session are listed underneath the session title. Locations will remain the same throughout the meeting. If you attended the Systematics session in Wang Lecture Hall 1 today you can count on other Systematics sessions being located in the same room.
3. Each session is displayed vertically. To read through the topics covered in a given session, read down the column.
4. Authors are displayed in SMALL CAPS format, with the presenting author in **BOLD**.
5. Problems with our online registration system caused widespread inconsistencies in the talk titles and author names. We attempted to remedy most of these errors, but could not eliminate all of them. If your talk title or name was botched, we apologize.
6. Author affiliation and contact information can be found in the Author Index (page 110). Due to space constraints, only the first three authors are listed in the Index.
7. This grid allows you to more easily decide which talk(s) you wish to see during a given time period. To compare the talks available at 9:30 on Monday morning, simply scan horizontally across the 9:30 slot for all pages which encompass Monday morning.
8. Some symposia follow a non-standard schedule; for these sessions, please refer to the individual symposium descriptions found on pages 15-27.

## How to use the Poster Sessions grid:

1. Posters are listed in numerical order. To locate a poster of a particular number, please use the map found on pages 6-7.
2. Posters are clustered by topic. You should find all of the posters in a particular topic displayed in a common area of the Wang Center.
3. Authors are displayed in SMALL CAPS format, with the presenting author in **BOLD**.
4. Author affiliation and contact information can be found in the Author Index (page 110). Due to space constraints, only the first three authors are listed in the Index.
5. Problems with our online registration system caused widespread inconsistencies in the poster titles and author names. We attempted to remedy most of these errors, but could not eliminate all of them. If your poster title or name was botched, we apologize.

SATURDAY June 24th	SSB Symposium Wang Theatre	Animal Mating/ Breeding Systems SAC 304	Coevolution SAC 302
8:30	<b>SSB Symposium: Species Delimitation</b> See page 15	Cuckoldry Incites Cannibalism In A Male Colour Polymorphic Fish With No Parental Care <b>GRAY, SUZANNE M,</b> LAWRENCE M DILL, JEFFREY S MCKINNON	Polygenic Traits And Parasite Local Adaptation <b>RIDENHOUR, BENJAMIN,</b> SCOTT NUISMER
8:45		The Evolution Of Mating Systems And Paternal Behavior In Neotropical Primate Taxa: A Bioenergetic And Phylogenetic Perspective <b>RAO, NIKHIL P</b>	The Effect Of Alkaloid-Rich Nectar On Flower Choice In <i>Bombus impatiens</i> Cresson <b>MANSON, JESSAMYN S,</b> ROBERT J GEGEAR, JAMES D THOMSON
9:00		Paternity Skew And Variation In Worker Size In A Polyandrous Wasp KOVACS, JENNIFER L, <b>ERIC A HOFFMAN,</b> TRACEY N THIRER, MICHAEL A D GOODISMAN	Mutualism Breakdown <b>SACHS, JOEL</b>
9:15		Variance In Barnacle Penis Characteristics And Implications For Sex Allocation <b>HOCH, J MATT</b>	Ecological And Reproductive Character Displacement On An Environmental Gradient <b>GOLDBERG, EMMA,</b> RUSSELL LANDE
9:30		Factors Involved In The Reproductive Isolation Between Harvester Ants With Genetic And Environmental Caste Determination. <b>SCHWANDER, TANJA,</b> SARA HELMS CAHAN, LAURENT KELLER	Coevolutionary Dynamics Between Cooperators And Exploiters In A Mutualism <b>JONES, EMILY I,</b> REGIS FERRIERE, JUDITH BRONSTEIN
9:45		Genital Morphology And Mating Behaviour Of <i>Ciulfina</i> Praying Mantids <b>HOLWELL, GREGORY I,</b> MARIE E HERBERSTEIN	Constrained Liability In Penstemon Flowers: How Many Convergent Origins Of Hummingbird Pollination? <b>WILSON, PAUL,</b> ANDREA WOLFE, W S ARMBRUSTER, JAMES D THOMSON

SATURDAY June 24th	Ecological Genetics Wang 401	Experimental Evolution SAC 305	Molecular Evolution SAC 303
8:30	Increased Relative Fitness Of Crop-Wild Hybrids Under Stressful Conditions <b>MERCER, KRISTIN L</b> , DONALD L WYSE, RUTH G SHAW, DAVID ANDOW	Experimental Demonstration Of Character Displacement In Diversified <i>E. Coli</i> Microcosms <b>TYERMAN, JABUS</b> , CHRISSEY SPENCER, MELANIE BERTRAND, MICHAEL DOEBELI	Temporal Dynamics Of The Ka/Ks Ratio After Gene Duplication By Allopolyploidization <b>EVANS, BEN J</b> , FREDERIC J CHAIN
8:45	Functional Genomics Of The <i>Solidago/Eurostra</i> Plant Gall Complex <b>MILLER, JOSEPH T</b> , STEPHEN HENDRIX	Evolution Of Mutational Robustness In RNA Viruses <b>TURNER, PAUL E</b> , REMY FROISSART, REBECCA MONTVILLE, SUSANNA K REMOLD, OLIVIER TENAILLON	Evolution Of The Tripartite Motif Family (TriM) Of Proteins Using A Comparative Genomic Approach <b>SCALLY, MARK</b> , BERT GOLD, MICHAEL DEAN
9:00	Effect Of Inter-Pollination Interval On Paternity In The White Campion, <i>Silene latifolia</i> <b>BERNASCONI, GIORGINA</b> , ANNE BURKHARDT	The Biochemistry Of Beneficial Fitness Effects Of Adaptive Substitutions For A Single-Stranded DNA Virus <b>ROKYTA, DARIN R</b> , CRAIG J BEISEL, HOLLY A WICHMAN, GARY W DAUGHDRILL	The Codon Usage Bias Landscape Of The <i>Drosophila</i> Genomes: A Story Of Change In Population Size <b>VICARIO, SAVERIO</b> , JEFFREY POWELL
9:15	Ecological Genetics Of Touch Response In Natural Populations Of <i>Arabidopsis thaliana</i> <b>BOSSDORF, OLIVER</b> , MASSIMO PIGLIUCCI	Characterization Of Epistasis Between Beneficial Fitness Effects Of Adaptive Substitutions For A Single-Stranded DNA Virus <b>BEISEL, CRAIG J</b> , DARIN R ROKYTA, HOLLY A WICHMAN, PAUL JOYCE	Untargeted Germline Mutations Induced By Radiation In Japanese Medaka ( <i>Oryzias latipes</i> ) <b>TSYUSKO, OLGA</b> , KOUICHI AIZAWA, TRAVIS GLENN, ERIKA THOMPSON, YI YI, DAN COUGHLIN, TOM HINTON
9:30	Adaptive Introgression Of Herbivore-Resistance Traits And Range Expansion In Sunflowers <b>WHITNEY, KENNETH D</b> , REBECCA A RANDELL, LOREN H RIESEBERG	Is Diversity Limited By The Extent Of The Market? <b>SCHROEDER, GINA R</b> , REES KASSEN	Evolution Of Segmentally Duplicated Genes In The <i>Drosophila pseudoobscura</i> Genome <b>MEISEL, RICHARD P</b> , STEPHEN W SCHAEFFER
9:45	Hua2, Flc Expression, And Flowering Time <b>ENGELMANN, KATHLEEN</b> , MICHAEL PURUGGANAN	Experimental Evolution Of <i>Pseudomonas fluorescens</i> In Coarse-Grained Environments <b>JASMIN, JEAN-NICOLAS</b> , REES KASSEN	Complex Evolutionary Events In The Development Of The Cyp2 Gene Family In Mammals <b>HOFFMAN, SUSAN M</b> , SHENGYONG HU, ZHI LIU

SATURDAY June 24th	Natural Selection and Contemporary Evolution Wang Lecture Hall 2	Phylogenetic Theory and Methods SAC 306	Phylogeography Wang 201
8:30	Aggressive Behavior Affects Selection By Determining The Environment Of Breeding In A Passerine Bird <b>DUCKWORTH, RENEE A</b>	Bayes Factors And Partition Choice In Phylogenetic Inference <b>BROWN, JEREMY M, ALAN R LEMMON</b>	Global Population Genetics Of <i>Arabidopsis thaliana</i> <b>BECK, JAMES B, BARBARA A SCHAAL</b>
8:45	Rapid Evolution Of Bird Egg Color In The Absence Of Brood Parasitism <b>LAHTI, DAVID C</b>	Bayesian Estimation Of Species Trees From Gene Trees: Resolving Phylogenetic Relationships Without Concatenation <b>EDWARDS, SCOTT V, LIANG LIU, DENNIS K PEARL</b>	The Phylogeography Of The New Zealand Cabbage Tree ( <i>Cordyline australis</i> ). <b>ARMSTRONG, TRISTAN T, ROSS E BEEVER</b>
9:00	Evolution In A Hotspot: Patterns Of Morphological Divergence In The Genus <i>Protea</i> <b>PRUNIER, RACHEL E, KENT HOLSINGER, TONY REBELO</b>	Evolutionary Rates, Divergence Dates, And The Performance Of Mitochondrial Genes In Bayesian Phylogenetic Analysis <b>MUELLER, RACHEL L</b>	Hybridization In Beringia: Allotetraploid Origin Of <i>Arabidopsis lyrata</i> Subsp. Kamchatica <b>STEETS, JANETTE A, DANE SALTER, JESSICA J BEECHER, GARY J HOULISTON, NAOKI TAKEBAYASHI, DIANA E WOLF</b>
9:15	Size Evolution Of Island Vertebrates - Rethinking The Rules <b>MEIRI, SHAI</b>	Bayesian Estimation Of Concordance Among Genes: An Example With <i>Gossypium</i> <b>SMITH, STACEY D, BRET LARGET, CECILE ANE, DAVID BAUM</b>	Do Hosts And Their Obligate Parasites Co-Migrate? Inferences From The Post-Glacial Phylogeographies Of Beech ( <i>Fagus grandifolia</i> ) And Beech-Drop ( <i>Epifagus virginiana</i> ) <b>TSAI, YI-HSIN E, PAUL S MANOS</b>
9:30	Estimating Selection On Body Shape, Color, Behavior And Immigrant Status In Wild Guppies <b>WEESE, DYLAN J, MICHAEL T KINNISON, ANDREW P HENDRY, DAVID N REZNICK</b>	A Bayesian Method For Modeling Degradation Of Ancient DNA <b>MATEIU, LIGIA, BRUCE RANNALA</b>	Comparative Phylogeography Of The European High Mountain Plants <i>Androsace</i> Sect. <i>Aretia</i> <b>DIXON, CHRIS J, PETER SCHOENSWETTER, GERALD M SCHNEEWEISS</b>
9:45	Neopolyploidy and Parasite Resistance <b>OSWALD, BENJAMIN, SCOTT NUISMER</b>	A Minimum Posterior Predictive Loss Approach To Bayesian Phylogenetic Model Selection <b>LEWIS, PAUL O, YU FAN</b>	Phylogeography Of Asian Wild Rice, <i>Oryza rufipogon</i> , Reveals Multiple Independent Domestications For Asian Cultivated Rice, <i>Oryza sativa</i> <b>LONDO, JASON, YU-CHUNG CHIANG, BARBARA SCHAAL</b>

SATURDAY June 24th	Sexual Selection Wang Lecture Hall 1	Theoretical Population Genetics SAC 311	
8:30	Egg Competition In The Sex-Role Reversed Pipefish, <i>Syngnathus typhle</i> <b>MOBLEY, KENYON B</b> , CHARLYN PARTRIDGE, INGRID AHNESJO, CHARLOTTA KVARNEMO, ANDERS BERGLUND, ADAM G JONES	Parallel Execution And Convergence-Checking Using Replicates In Bayesian Inference <b>BEERLI, PETER</b>	
8:45	Egg Competition Without Cryptic Gamete Choice In A Sex-Role Reversed Pipefish <b>PARTRIDGE, CHARLYN G</b> , INGRID AHNESJO, CHARLOTTA KVARNEMO, KENYON MOBLEY, ANDERS BERGLUND, ADAM JONES	Estimating Population Parameters From Unlinked Multilocus Sequence Data Using LAMARC <b>RYNES, ERIC</b> , MARY K KUHNER	
9:00	Empirical Evidence For The Kinship Theory Of Genetic Imprinting In The Least Killifish <b>ALA-HONKOLA, OUTI M</b> , KAI B LINDSTRÖM	Frequency-Dependent Selection And The Maintenance Of Genetic Variation <b>TROTTER, MEREDITH</b> , HAMISH SPENCER	
9:15	Carotenoids, Food And Immunocompetence In Guppies ( <i>Poecilia reticulata</i> ) <b>KOLLURU, GITA R</b> , GREGORY F GREYER	Mutation And Selection At Multiple Levels: Effects Of Clonal Reproduction And Indeterminate Growth. <b>ORIVE, MARIA E</b> , TARA N MARRIAGE	
9:30	Sexual History: The Evolutionary Constraints On Sexual Size Dimorphism In Anurans <b>HAN, XU</b> , JINZHONG FU	Fixation Probabilities In Experimental Evolution: Finding The Right Model <b>WAHL, LINDI M</b>	
9:45	Tandem Duplication And Divergence At Lws Opsin Genes In The Guppy Produces Individuals With All Known Amino Acid Variants At 3 Key Tuning Sites. <b>BREDEN, FELIX</b> , MATT WARD, ALLISON CHURCHER, SUZANNE GRAY, KEVIN DICK, JOHN S TAYLOR	An upper limit to the rate of adaptation? <b>BARTON, NICHOLAS H</b> , JONATHAN COE	

SATURDAY June 24th	SSB Symposium Wang Theatre	Animal Mating/ Breeding Systems SAC 304	Coevolution SAC 302
10:30	<b>SSB Symposium: Species Delimitation</b> See page 15	When New York Males Kill: Sperm Competition And Sexual Conflict In The Nematode <i>Caenorhabditis remanei</i> <b>PHILLIPS, PATRICK</b> , COLIN PEDEN, JENNIFER L ANDERSON, LORI ALBERGOTTI	Characterization Of XlalphaS \ Alex Evolution In Rodents <b>WADHAWAN, SAMIR R</b> , PAULA GOETTING-MINESKY, KATERYNA MAKOVA, ANTON NEKRUTENKO
10:45		Testing The Gravity Hypothesis Of Sexual Size Dimorphism: Are Small Males Faster Climbers? <b>BRANDT, YONI</b> , MAYDIANNE ANDRADE	Co-Evolution Of Overlapping Reading Frames In XBP1: Unspliced Transcript Encodes Functional Protein NEKRUTENKO, ANTON, <b>JIANBIN HE</b>
11:00		Material Girls: Direct And Indirect Benefits Of Multiple Mating For <i>Gryllus vocalis</i> (Field Cricket) Females <b>GERSHMAN, SUSAN</b>	Phylogeography Of New Zealand Mud Snails: An Investigation Of Dispersal In A Coevolutionary System <b>DROWN, DEVIN M</b> , MARK F DYBDAHL
11:15		Population-Level Divergence In Sperm Morphology In A Broadcast Spawner: Implications For Fertilization Dynamics <b>MANIER, MOLLIE K</b> , STEPHEN R PALUMBI	Population Structure In Joshua Trees And Their Pollinating Moths <b>SMITH, CHRIS</b> , OLLE PELLMYR, WILLIAM GODSOE, JEREMY YODER
11:30		Role Of Male Sexual Pheromones In The Courtship Success Of The Butterfly <i>Bicyclus anynana</i> <b>NIEBERDING, CAROLINE M</b> , VICKY SCHNEIDER, HELENE DE VOS, JEAN-MARC LASSANCE, CHRISTER LOFSTEDT, PAUL M BRAKEFIELD	Patterns Of Phenotype Matching In Joshua Tree And Its Pollinators <b>GODSOE, WILLIAM K</b> , JEREMY B YODER, CHRISTOPHER I SMITH, OLLE PELLMYR
11:45		<i>Drosophila</i> Courtship Song Evolution: Conserved Patterns And Novel Song Types In Different Species Groups <b>GLEASON, JENNIFER M</b>	Cophylogeny Of The <i>Cotesia flavipes</i> Complex Of Parasitic Wasps And Their Polydnavirus Symbionts <b>MUIRHEAD, KATE</b> , NICK MURPHY, ANDY AUSTIN, STEVE DONNELLAN, MOHAMAD SALLAM



SATURDAY June 24th	Ecological Genetics Wang 401	Experimental Evolution SAC 305	Molecular Evolution SAC 303
10:30	The Genetic Basis Of Adaptive Floral Differentiation In <i>Mimulus aurantiacus</i> <b>STREISFELD, MATTHEW A</b>	The Potential For Adaptive Diversification Increases Over Evolutionary Time In The <i>E. coli</i> Model System <b>SPENCER, CHRISSEY</b> , JABUS TYERMAN, MELANIE BERTRAND, MICHAEL DOEBELI	Molecular Evolution Of Oxidative Phosphorylation In Drosophilids <b>HANEY, ROBERT A</b> , DAVID M RAND, KRISTI L MONTOOTH, DAWN N ABT
10:45	Molecular Evolution Of A Chemical Defense Polymorphism In White Clover ( <i>Trifolium repens</i> ). <b>SUTHERLAND, BRITTANY L</b> , KENNETH M OLSEN	A Mutation Accumulation Experiment Reveals Social Fitness In The Social Amoebae <i>Dictyostelium discoideum</i> <b>MIDDLEMIST, SARA A</b> , JOAN E STRASSMANN, DAVID C QUELLER	Predicting Protein Production Rates From Codon Bias Based On Models Of Ribosome Movement & Population Genetics <b>GILCHRIST, MICHAEL A</b>
11:00	Patterns Of Phenotypic And Genetic Variability In The Gorgonian <i>Plexaura flexuosa</i> <b>PRADA, CARLOS A</b> , PAUL M YOSHIOKA, NIKOLAOS V SCHIZAS	The Distribution Of Beneficial Mutant Effects Under Strong Selection: Theory And Experiment <b>BARRETT, ROWAN D</b> , LEITHEN K M'GONIGLE, SARAH P OTTO, GRAHAM BELL	Reciprocal Gene Loss After Whole Genome Duplication In Teleost Fishes. <b>SEMOM, MARIE</b> , KENNETH H WOLFE
11:15	Responses To Selection On Flowering Time In An Autotetraploid Herb <b>BURGESS, KEVIN S</b> , JULIE ETTERTSON, LAURA F GALLOWAY	High Promiscuity In Hyphal Networks Of Arbuscular Mycorrhizal Fungi <b>CROLL, DANIEL</b> , ALEXANDER M KOCH, IAN R SANDERS	The Evolution Of Phenotypic And Genotypic Mutation Rates <b>WILLENSDORFER, MARTIN</b> , REINHARD BUERGER, MARTIN NOWAK
11:30	Genetics Of Constitutive And Induced Trichome Density In <i>Mimulus guttatus</i> (Yellow Monkeyflower) <b>HOLESKI, LIZA M</b>	Genetic Exchange Increases The Rate Of Adaptation In The Human Pathogen <i>Helicobacter pylori</i> <b>BALTRUS, DAVID</b> , KAREN GUILLEMIN, PATRICK PHILLIPS	Independent Sorting-Out Of Gene Pairs Formed By Genome Duplication In <i>Kluyveromyces polysporus</i> And <i>Saccharomyces cerevisiae</i> <b>FRANK, CAROLIN</b> , DEVIN R SCANNELL, KEVIN P BYRNES, GAVIN C CONANT KENNETH H WOLFE
11:45	Preliminary Results Of A Selection Experiment For Early Flowering In <i>A. thaliana</i> <b>KOVER, PAULA X</b> , NORA SCARCELLI	Pervasive Effects Of Intralocus Sexual Conflict Revealed By Male-Limited Evolution <b>BEDHOMME, STEPHANIE</b> , NAGARAJ G PRASAD, PAN-PAN JIANG, ADAM K CHIPPINDALE	Tissue-Specific Gene Expression And Chromatin Domains Shape The Distribution Of Transposable Elements In The <i>Drosophila melanogaster</i> Genome <b>FONTANILLAS, PIERRE</b> , DANIEL L HARTL, MAX REUTER

SATURDAY June 24th	Natural Selection and Contemporary Evolution Wang Lecture Hall 2	Phylogenetic Theory and Methods SAC 306	Phylogeography Wang 201
10:30	The Adaptive Significance Of Shell Color Polymorphism In <i>Littorina obtusata</i> <b>PHIFER-RIXEY, MEGAN,</b> MELANIE HECKMAN, GEOFFREY TRUSSELL, PAUL SCHMIDT	The Efficiency Of Mcmc Topology Proposals In Bayesian Inference Of Phylogenetic Trees <b>LAKNER, CLEMENS,</b> PAUL VAN DER MARK, FREDRIK RONQUIST	Of Pikas And Parasites: Comparative Phylogeography Of A Montane Host-Parasite Association <b>GALBREATH, KURT</b>
10:45	Is An Alewife An Alewife? Anadromy, Landlocking, And The Evolution Of Morphology And Prey Selectivity In A Planktivorous Fish <b>PALKOVACS, ERIC,</b> DAVID POST	Bayesian And Likelihood-Based Analyses Of Large Datasets In The Angiosperms <b>GITZENDANNER, MATTHEW A,</b> PAMELA S SOLTIS, DOUGLAS E SOLTIS	Ecology's Strong Effect On Population History As Demonstrated In A Large Assemblage Of Middle American Birds <b>MILLER, MATTHEW J,</b> ELDREDGE BERMINGHAM, KEVIN WINKER
11:00	Anthropogenic Disturbance And Phenotypic Evolution In Guppies <b>SCHWARTZ, AMY,</b> ANDREW HENDRY	Branch Length Estimation In Partitioned Bayesian Analyses, Among-Partition Rate Variation, And Branch Length Priors MARSHALL, DAVID C, <b>CHRIS M SIMON,</b> THOMAS R BUCKLEY	Disentangling Nuclear Integrations From Mitochondrial DNA: Towards A Comprehensive Phylogeography Of Central African Gorillas <b>ANTHONY, NICOLA M,</b> MIREILLE JOHNSON-BAWE, STEPHEN L CLIFFORD, KATHRYN J JEFFERY, KATE A ABERNETHY, LEE J T WHITE, CAROLINE E G TUTIN, E JEAN WICKINGS, MICHAEL W BRUFORD
11:15	Differentiation In An Intertidal Snail: What A Genomic Approach Is Telling Us <b>GRAHAME, JOHN W,</b> HENRY M WOOD, ROGER K BUTLIN	On Probability And Systematics: Possibility, Probability And Phylogenetic Inference <b>HABER, MATTHEW H</b>	Diversification Of The Andean Treefrog, <i>Hyla andina</i> <b>KOSCINSKI, DARIA,</b> STEPHEN C LOUGHEED, PAUL HANDFORD, SARAH SHARP, PABLO L TUBARO
11:30	Do Trade-Offs Maintain Natural Variation In Dopa Decarboxylase In <i>Drosophila melanogaster</i> ? <b>DELANEY, THERESA K,</b> KATE LASKOWSKI, JEFF LEIPS	Garli: A New Heuristic For Large-Scale Tree Inference Using Maximum Likelihood <b>ZWICKL, DERRICK J</b>	Genetic Differentiation And Conservation Of Wood Turtle ( <i>Glyptemys insculpta</i> ) Populations Throughout Their Range <b>AMATO, MARINA L,</b> RONALD J BROOKS, JINZHONG FU
11:45	Rapid Evolution Of An Annual Plant In Response To Climate Change <b>FRANKS, STEVEN J,</b> SHEINA SIM, ARTHUR E WEIS	A Model For Geographic Range Evolution And Likelihood-Based Inference Of Historical Biogeography <b>REE, RICHARD,</b> BRIAN MOORE, CAMPBELL WEBB, MICHAEL DONOGHUE	The Effects Of Landscape Features On Patterns Of Gene Flow In Panamanian Golden Frogs <b>RICHARDS, CORINNE L,</b> LAURA L KNOWLES

SATURDAY June 24th	<b>Sexual Selection</b> Wang Lecture Hall 1	<b>Theoretical Population Genetics</b> SAC 311	
10:30	Sexual Conflict And Cooperation In The Ocellated Wrasse, <i>Symphodus ocellatus</i> <b>ALONZO, SUZANNE H</b>	Diffusion Theory As A Tool For Statistical Inference On Population Genomic Data <b>WILLIAMSON, SCOTT,</b> THOMAS YORK, CARLOS BUSTAMANTE	
10:45	Melanin-Based Plumage Traits In American Robins: Signals Of Parental Quality? <b>ROWE, KAREN M,</b> PATRICK J WEATHERHEAD	A Three Locus Model For Identity By Descent With Recombination And Mutation <b>JONES, DANIELLE A,</b> JOHN WAKELEY	
11:00	Genetic Correlation Between The Sexes In The Color Pattern Of A Monomorphic Bird <b>BONTRAGER, ALEXA L</b>	Joint And Marginal Distributions For Coalescent Times In Population Trees <b>DEGNAN, JAMES H,</b> LAURA S KUBATKO	
11:15	Phenotypic Integration Of Attractive Plumage And Testosterone Response In Dark-Eyed Juncos <b>MCGLOTHLIN, JOEL W,</b> JODIE M JAWOR, JOSEPH M CASTO, JENNIFER M PHILLIPS, TIMOTHY J GREIVES, ELLEN D KETTERSON	A Moran Model Approach To Balancing Selection <b>MUIRHEAD, CHRISTINA,</b> JOHN WAKELEY	
11:30	Experimental Evolution Of Indirect Genetic Effects On Male Sexual Display Traits <b>CHENOWETH, STEVE F,</b> HOWARD D RUNDLE, MARK W BLOWS	Estimating Survival In Annual Plant Seedbanks Using A Parentage Approach <b>STRAND, ALLAN</b>	
11:45	<b><i>No talk currently scheduled in this time slot</i></b>  <b><i>Check addendum</i></b>	Release Of Cryptic Genetic Variation Throughout Selection Mediated By A Radial Gene Network <b>LE ROUZIC, ARNAUD,</b> ORJAN CARLBORG	

SATURDAY June 24th	SSE Symposium: <i>Alternative Perspectives on Evolutionary Dynamics</i> Wang Theatre	Coevolution SAC 302	Ecological Genetics Wang 401
1:30	Stress and variability: non-uniform modifiers of sex, migration, and death <b>LILACH HADANY</b>	Sex Signals, Mimicry And Deception By Orchids <b>GASKETT, ANNE C</b> , MARIE E HERBERSTEIN	Genetic Basis Of Drought Response Strategies In <i>Mimulus</i> <b>WU, CARRIE</b> , JOHN WILLIS
1:45		Co-Evolution In Host- Pathogen Systems <b>GUDELJ, IVANA</b> , SINAN ARKIN, ROBERT BEARDMORE	Evolution Of Copper Tolerance In <i>Mimulus</i> <i>guttatus</i> <b>WRIGHT, KEVIN M</b> , JOHN H WILLIS
2:00	Modeling the evolution of genome structure: The adaptive dynamics of gene duplication <b>STEVE PROULX</b>	Species Specificity, Host Switching, And Coevolution Among Pollinating And Non-Pollinating Fig Wasps <b>MARUSSICH, WENDY A</b> , CARLOS A MACHADO	Impact Of Disturbance And Adult Densities On Pollen Mediated Gene Flow In A Tropical Tree, <i>Enterolobium</i> <i>cyclocarpum</i> <b>GONZALES, EVA B</b> , JIM L HAMRICK, PETER E SMOUSE
2:15		Host Association And Relatedness Among <i>Wolbachia</i> Of Ants And Butterflies <b>RUSSELL, JACOB A</b> , BENJAMIN GOLDMAN-HUERTAS, CORRIE MOREAU, LAURA BALDO, JACK WERREN, NAOMI PIERCE	Tolerance To Herbicide In The Common Morning Glory, <i>Ipomoea purpurea</i> : The Male Component Of Fitness <b>BAUCOM, REGINA S</b> , SHUMEI CHANG
2:30	Modeling the coevolutionary dynamics of quantitative traits <b>SCOTT NUISMER</b>	Coevolution In The Light Of Phylogenetic Uncertainty: Frequent Cospeciation In Birds And <i>Pectinopygus</i> Lice <b>HUGHES, JOSEPH</b> , RODERIC D PAGE, KEVIN P JOHNSON, MARTYN KENNEDY, RICARDO L PALMA	Natural Selection In Sunflowers <b>SAPIR, YUVAL</b>
2:45		Phylogenies For The Oligolectic Oil Bee Clade Ctenoplectra And Oil-Offering Cucurbitaceae Imply Sequential Acquisition Of New Oil Hosts <b>SCHAEFER, HANNO</b> , SUSANNE S RENNER	Ecological Genetics Of Germination: Environment-Dependent Subfunctionalization In The Duplicated Gene Family Of Phytochromes HESCHEL, M S, COLLEEN BUTLER, DEEPAK BARUA, GEORGE CHIANG, RAFA RUBIO DE CASAS, ROBERT SHARROCK, GARRY WHITELAM, <b>KATHLEEN DONOHUE</b>

SATURDAY June 24th	Empirical Population Genetics SAC 311	Experimental Evolution SAC 305	Molecular Evolution SAC 303
1:30	Effective Population Size And Gene Flow In Atlantic Salmon ( <i>Salmo salar</i> L.) In Newfoundland And Labrador <b>PALSTRA, FRISO, MIKE</b> O'CONNELL, DANIEL RUZZANTE	Optimality And Genetic Details: Experimental Selection On Lysis Time In A Phage. <b>HEINEMAN, RICHARD H</b>	Re-Evolving Regulatory Control In Genetically Engineered Bacteriophage <b>SPRINGMAN, RACHAEL L</b>
1:45	Rapid Genetic Change In Common Loons: A Response To Type E Botulism Die-Offs? <b>McMILLAN, AMY M, KRISTEN</b> BURGIO	Experimental Tests For An Evolutionary Trade-Off Between Growth Rate And Yield In <i>E. coli</i> <b>NOVAK, MAJA, THOMAS</b> PFEIFFER, SEBASTIAN BONHOEFFER, RICH LENSKI, UWE SAUERT	Determining Among Alternate Fates Of Gene Duplicates Using Functional And Sequence Information <b>DES MARAIS, DAVID L, MARK</b> D RAUSHER
2:00	Paternity Patterns In Fragmented And Continuous Forest Plots In The Amazon Tree <i>Corythophora alta</i> (Lecythidaceae) <b>HAMILTON, MATTHEW B</b>	Why There Are Reruns On The Protein Tape Of Life <b>WEINREICH, DANIEL M, MARK</b> A DEPRISTO, DANIEL L HARTL	Metabolic Control And Selection In The <i>D. melanogaster</i> NADP Enzymes <b>MERRITT, THOMAS J, WALTER</b> F EANES
2:15	Population Genetics Of Red Snapper ( <i>Lutjanus campechanus</i> ) In The Northern Gulf Of Mexico <b>SAILLANT, ERIC, SUZAN C</b> BRADFIELD, JOHN R GOLD	Resource Competition And Social Conflict In Experimental Populations Of Yeast <b>MACLEAN, CRAIG, IVANA</b> GUDELJ	Intron Evolution In Apicomplexans: Massive Rate Variations, Mysterious Targetted Intron Loss, And Evidence Against An Avian Origin Of <i>P. falciparum</i> <b>ROY, SCOTT W, DANIEL</b> HARTL, DAVID PENNY
2:30	Variation In Deer Mouse Hemoglobins Reveals The Molecular Basis Of High-Altitude Adaptation <b>STORZ, JAY F, STEPHEN</b> SABATINO, EBEN GERING, HIDEAKI MORIYAMA, MICHAEL NACHMAN	Direct Estimate Of The Rate And Spectrum Of Microsatellite Mutation In <i>Caenorhabditis</i> <b>PHILLIPS, NAOMI E, ANDREW</b> CUSTER, DEJERIANNE G OSTROW, THOMAS KELLER, JEFF ROSENBLUM, CHARLES BAER	Mutation, Not Selection: Explaining The 100,000-Fold Difference In Intron Number Across Eukaryotes <b>ROY, SCOTT W</b>
2:45	Macro- And Micro-Geographic Population Genetic Structure In <i>Trichostrongylus tenuis</i> , A Nematode Parasite Of Red Grouse <b>JOHNSON, PAUL C, LUCY M</b> WEBSTER, AILEEN ADAM, LUKAS F KELLER	Causes Of Selection On <i>lac</i> Operon Regulation <b>STOEBEL, DANIEL, TONY</b> DEAN, DANIEL DYKHUIZEN	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

SATURDAY June 24th	Natural Selection and Contemporary Evolution Wang Lecture Hall 2	Phylogenetic Theory and Methods SAC 306	Phylogeography Wang 201
1:30	Phenotypic And Fitness Consequences Of Life-History Evolution: Complementary Results From Field And Laboratory Selection Experiments <b>CAMPBELL, LESLEY G,</b> ALLISON A SNOW	Decision-Theoretic Approaches To Model Averaging <b>EVANS, JASON, JACK</b> SULLIVAN	Southern Hospitality: A Latitudinal Gradient In Gene Flow In The Marine Environment <b>KELLY, RYAN P</b>
1:45	Relating Environmental Variation To Selection On Thermal Reaction Norms: An Experimental Test <b>KINGSOLVER, JOEL, RICHARD</b> GOMULKIEWICZ	Understanding Patterns Of Phylogenetic Tree Shape By Simulating Macroevolutionary Processes <b>HEATH, TRACY A, DERRICK J</b> ZWICKL, JUNHYONG KIM, DAVID M HILLIS	Using Island Endemics To Test Biogeographic Theories: A Tale Of Five Fishes DREW, JOSHUA, GERRY ALLEN, LES KAUFMAN, <b>PAUL H BARBER</b>
2:00	Geographic Distribution Of Genetic And Phenotypic Diversity In The Red-Eyed Treefrog <b>ROBERTSON, JEANNE</b>	Concerted Evolution: Greedy Parsimonious Co- Estimation Of Phylogeny And Gene Conversion In A Gene Family <b>ARDELL, DAVID H</b>	The Distribution Of Pyganodon Species In Northeastern America : Trust The Proglacial Sea Instead Of What You See. <b>FREDERIC, CYR, ÉANDRØ</b> MARTEL, BERNARD ANGERS
2:15	Natural Selection On MHC Loci: Are Habitat Characteristics And Populations Genetic Linked? <b>GIRARD, PHILIPPE, BERNARD</b> ANGERS	Summary Statistics Provide Information About Genealogical History <b>UYENOYAMA, MARCY K,</b> SCOTLAND C LEMAN	Differing Population Genetic Responses Of Sea Stars, Their Commensal Shrimp, And Parasitic Gastropod To Abiotic Forces In The Indonesian Archipelego <b>MUÑOZ, MARTHA, BOLANLE</b> AKINRONBE, PAUL H. BARBER, ERIC CRANDALL
2:30	Forward And Reverse Evolution In The Freshwater Worm <i>Limnodrilus hoffmeisteri</i> : The Recovery Of Heavy Metal Resistance <b>MACKIE, JOSHUA A, JEFFREY</b> LEVINTON	Which Random Processes Describe The Tree Of Life? A Large-Scale Study Of Phylogenetic Tree Imbalance. <b>BLUM, MICHAEL, OLIVIER</b> FRANCOIS	Genetic Isolation And Connectivity In A Vagile Lacustrine Fish, The Walleye ( <i>Sander vitreus</i> ) <b>STRANGE, REX M, CAROL A</b> STIEPIEN
2:45	Polymorphic Genes Of Major Effect: Consequences For Variation, Selection, And Evolution <b>STINCHCOMBE, JOHN,</b> CYNTHIA WEINIG, JOHANNA SCHMITT	Implications Of Covarion Evolution In Angiosperm Chloroplast Genomes For Phylogenetic Reconstruction <b>LEEBENS-MACK, JAMES H,</b> CLAUDE W DEPAMPHILIS, ROBERT K JANSEN, JEFF BOORE	Stepping-Stone Range Expansion Of Japanese Crayfish Inferred From Isolation-By-Distance And Nested Clade Analyses <b>KOIZUMI, ITSURO, NISIKAWA USIO,</b> TADASHI KAWAI, RYUICHI MASUDA

SATURDAY June 24th	Plant Mating Systems SAC 304	Sexual Selection Wang Lecture Hall 1	
1:30	The Evolution And Maintenance Of Combined And Separate Sexes In Moss Gametophytes <b>JESSON, LINLEY, MONIQUE CRAWFORD, PHIL GARNOCK-JONES</b>	Models Of Male And Mutual Mate Choice <b>SERVEDIO, MARIA R, RUSSELL LANDE</b>	
1:45	Comparative And Ecophysiological Analyses Of Sexual Dimorphism In The Large Dioecious Genus <i>Leucadendron</i> <b>HARRIS, MARK S, JOHN PANNELL</b>	A Resolution To The Lek Paradox Through Indirect Genetic Effects <b>MILLER, CHRISTINE W, ALLEN J MOORE</b>	
2:00	Gain And Loss Of Self-Incompatibility In The Asteraceae: The Importance Of Reverse Evolution <b>FERRER, MIRIAM M, SARA V GOOD-AVILA</b>	Intralocus Sexual Conflict Neutralizes The Benefits Of Sexual Selection <b>PISCHEDDA, ALISON, ADAM CHIPPINDALE</b>	
2:15	Recombination, Fitness And The Maintenance Of Variation Across Native, Novel And Heterogeneous Environments Of <i>Avena barbata</i> <b>LATTA, ROBERT, KYLE GARDNER, APRIL JOHANSEN-MORRIS, JOANNA MACKENZIE</b>	The Effect Of Sexual Selection On Deleterious Variation As A Function Of Naturally Selected Fitness <b>HOLLIS, BRIAN, JANNA FIERST, DAVID HOULE</b>	
2:30	Does Habitat Fragmentation Affect Reproductive Assurance? <b>KENNEDY, BRAD F, ELIZABETH ELLE</b>	Evolution Of Mate-Choice Imprinting: Competing Strategies <b>TRAMM, NORA A, MARIA R SERVEDIO</b>	
2:45	Effects Of Floral Display On Male And Female Reproductive Success In <i>Mimulus ringens</i> <b>KARRON, JEFFREY D, RANDALL J MITCHELL</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	

SATURDAY June 24th	SSE Symposium: <i>Alternative Perspectives on Evolutionary Dynamics</i> Wang Theatre	Coevolution SAC 302	Ecological Genetics Wang 401
3:30	Simplified representations of two types of adaptive change in ecological models <b>PETER ABRAMS</b>	<i>Wolbachia</i> , Reproductive Parasitism And Gene Flow Distortion <b>TELSCHOW, ARNDT, PETER HAMMERSTEIN, JOHN H WERREN</b>	Dammed Fish! Population Differentiation Of Steelhead /Rainbow Trout, <i>Oncorhynchus mykiss</i> , In Pacific Northwest Rivers <b>GRAHAM, SUZANNE, PAUL MORAM</b>
3:45		Pair Of Lice Lost: Parasites As Markers Of Primate Evolutionary History. <b>REED, DAVID L, JESSICA LIGHT, JULIE ALLEN</b>	Population Structure Of Endemic Telmatherinid Fishes of Sulawesi, Indonesia <b>WALTER, RYAN P, DANIEL D HEATH, G D HAFFNER</b>
4:00	Modeling the evolution of complex interactions <b>SEAN RICE</b>	Pattern And Process In The Evolution Of Salamander Pheromones <b>WATTS, RICHARD, AMY PICARD, KAREN KIEMNEC, CATHERINE PALMER, LYNNE HOUCK, STEVAN ARNOLD</b>	Genetics Of Range Limits In A Recently Expanded Population Of Intertidal Barnacle <b>DAWSON, MICHAEL N, RICHARD K GROSBERG, ERIC SANFORD, YOEL E STUART</b>
4:15		Cophylogeny And Molecular Rate Comparisons In Heteromyid Rodents And Their Sucking Lice <b>LIGHT, JESSICA E</b>	Ecological Correlates Of Population Genetic Structure: A Comparative Approach Using A Vertebrate Metacommunity <b>MANIER, MOLLIE K, STEVAN J ARNOLD</b>
4:30	Unifying evolutionary dynamics: From individual stochastic processes to macroscopic models <b>REGIS FERRIERE</b>	Sexual Conflict: Direct Costs Vs. Indirect Benefits <b>STEWART, ANDREW D</b>	Effects Of Heavy Metal Contamination On Natural Populations Of White-Footed Mice <b>LOEW, SABINE S, DONGMING GUAN, NORIKO MAKITA, JENNIFER FOULK</b>
4:45		Differential Pollen Placement Alleviates Competition Amongst Sympatric Bat-Pollinated <i>Burmeistera</i> <b>MUCHHALA, NATHAN</b>	A Tale Of Two Islands: MHC Variation In <i>Tuatara</i> (Sphenodon) <b>MILLER, HILARY, CHARLES DAUGHERTY</b>



SATURDAY June 24th	Education SAC 305	Empirical Population Genetics SAC 311	Molecular Evolution SAC 303
3:30	Exploring The Tropics In NYC: Education About Evolution In A Community Greenhouse <b>COZZA, JOHN</b>	Metapopulation Genetic Structure Of The Glanville Fritillary Butterfly <b>ORSINI, LUISA, JUKKA CORANDER, ILKKA HANSKI</b>	The 17% Solution: Gene Family Divergence Between Human And Chimpanzee <b>HAHN, MATTHEW W</b>
3:45	Engaging Evolution: Contemporary Art, Evolution, and the Public <b>HARP, GABRIEL</b>	Comparative Landscape Genetics Of Darwin's Finches: The Role Of Migration <b>NIEDZWIECKI, JOHN H, KENNETH PETREN</b>	The Evolution Of Genomic Host-Specificity In <i>Xylella fastidiosa</i> Through Natural Selection <b>SCHUENZEL, ERIN L, LEONARD NUNNEY</b>
4:00	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	The Evolution Of Recombination In Mammals <b>DUMONT, BETHANY L, BRET PAYSEUR</b>	The Footprint Of Selection Across The Intron/Exon Boundary Of Bindin In Tropical Sea Urchins <b>GEYER, LAURA B, STEPHEN R PALUMBI</b>
4:15	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	EST-Based SNP Markers: Is There Ascertainment Bias In Tomato? <b>LABATE, JOANNE A, LARRY D ROBERTSON, SUSAN M SHEFFER, WARREN F LAMBOY, ANGELA M BALDO</b>	EST Libraries Derived From Male Accessory Glands Of Monandrous And Polyandrous <i>Heliconius</i> Butterflies. <b>WALTERS, JAMES R, RICHARD HARRISON</b>
4:30	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Genetic And Morphological Variation Over Space And Time In The Invasive Fire Ant <i>Solenopsis invicta</i> <b>GOODISMAN, MICHAEL D, KAREN A SANKOVICH, JENNIFER L KOVACS</b>	Segregation Distortion In Chinook Salmon: Evolution Of Genetic Load And Dominance Effects <b>HEATH, DANIEL, SARA JAMIESON</b>
4:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Mitochondrial Genotype Alters Longevity In <i>Drosophila</i> <b>RAND, DAVID, REBECCA WAGAMAN, JEFFERY HOFMANN</b>	Extreme Ribosomal Diversity Is An Evolutionary Innovation Of Mammalian <i>Plasmodium</i> <b>DAVALOS, LILIANA M, SUSAN L PERKINS</b>

SATURDAY June 24th	Natural Selection and Contemporary Evolution Wang Lecture Hall 2	Phylogenetic Theory and Methods SAC 306	Phylogeography Wang 201
3:30	Selection And Population Divergence In A Multicomponent Color Trait <b>WESTPHAL, MICHAEL F,</b> MICHAEL P LEMASTER, SUZANNE ESTE	Deep Phylogeny: Can We Win The 'War On Error'? <b>STEEL, MIKE,</b> DAVID PENNY	Contrasting Molecular Population Structure In Three Endemic Hawaiian Limpets ( <i>Cellana</i> Spp.) With Similar Life Histories <b>BIRD, CHRISTOPHER E,</b> BRENDEN S HOLLAND, ROBERT J TOONEN, BRIAN W BOWEN
3:45	Population Differentiation And Genetic Variation In Host Use In The Pea Aphid Complex <b>FERRARI, JULIA</b>	Alignment, Gaps, And Parsimony <b>ROSENBERG, MICHAEL S,</b> T H OGDEN	Testing The Weak Phylogeographical Hypothesis With Four X-Linked Loci Of The European Rabbit ( <i>Oryctolagus cuniculus</i> ) In Different Simulated Scenarios <b>LOURENCO, JOAO S,</b> NUNO M FERRAND, JORGE M ROCHA, ARMANDO J GERALDES
4:00	Sex, Flowers And Ltr-Retrotransposons <b>MEAGHER, THOMAS R,</b> REBECCA YAHR	Analysis Of Deep Avian Phylogeny Using Alignment Free Methods <b>BRAUN, EDWARD L,</b> REBECCA T KIMBALL, SHANNON HACKETT, M BRAUN, J HARSHMAN, W MOORE, F SHELDON, D STEADMAN, R BOWIE, J CHOJNOWSKI, K L HAN, C HUDDLESTON, B MARKS, K MIGLIA, S REDDY, C WITT, T YURI	MtDNA Analysis Of Austronesian And Papuan Speakers Of East Sepik Province, Papua New Guinea <b>VILAR, MIGUEL,</b> AKIRA KANEKO, FRANCIS HOMBHANJE, T TSUKAHARA, T KOBAYAKAWA, KOJI LUM
4:15	Phenotypic Selection On Plant Leaf Ecophysiological Traits For Desert Sunflowers. <b>DONOVAN, LISA A</b>	An Empirical Comparison Of Repeatability And Accuracy Between POY And Structural Alignment <b>KJER, KARL M,</b> JOE J GILLESPIE, KAREN A OBER	Insights On The Phylogeography Of South America Seasonally Dry Tropical Forest: A Continental Scale History Reconstruction <b>CAETANO, SOFIA,</b> YAMAMA NACIRI, RODOLPHE SPICHIGER, DARIEN PRADO, ARY OLIVEIRA-FILHO, STEPHEN BECK, TOBY PENNINGTON
4:30	Selection Against Crop Alleles In Crop-Wild Sunflower Hybrids <b>BAACK, ERIC,</b> YUVAL SAPIR, LOREN RIESEBERG	Profiling Phylogenetic Informativeness <b>TOWNSEND, JEFFREY P</b>	Phylogeography Of The Tessellated Darters ( <i>Etheostoma olmstedii</i> ): Implications For Postglacial Colonization <b>HECKMAN, KELLIE L,</b> SUZANNE H ALONZO
4:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Maximum-Frequency Gene Tree: A Simplified Genome-Scale Approach To Overcome Incongruence In Molecular Phylogenies <b>SHAN, YUNFENG,</b> XIU-QIN LI, DAVID DE KOEYER	Coi And <i>Wolbachia</i> Infection, Tools To Illustrate The Historical Biogeography Of <i>Diabrotica virgifera virgifera</i> And <i>D. V. Zeae</i> <b>GIORDANO, ROSANNA,</b> LEE CLARK, REBECA ALVAREZ-ZAGOYA, JUAN FRANCISCO PEREZ

SATURDAY June 24th	Plant Mating Systems SAC 304	Sexual Selection Wang Lecture Hall 1	
3:30	Nucleotide Diversity Of Two Mitochondrial Genes And Breeding Systems In <i>Silene</i> <b>TOUZET, PASCAL</b> , LYNDA F DELPH	The Evolution Of Traumatic Insemination And Paragenitalia In The Plant Bug <i>Coridromius</i> (Heteroptera: Miridae) <b>TATARNIC, NIKOLAI J</b>	
3:45	The Consequences Of Monoecy For Pollination And Mating In Wind-Pollinated <i>Carex</i> <b>FRIEDMAN, JANNICE</b> , SPENCER C BARRETT	Male Mating Costs And Differential Mating Investment Between Sympatric And Allopatric Populations Of The Hawaiian Cricket <i>Laupala</i> <b>JADIN, JENNIFER L</b> , KERRY L SHAW	
4:00	Sex, Lies, And Begonias: Gender Adjustment Vs. Developmental Constraint In A Rainforest Herb, <i>Begonia urophylla</i> <b>COZZA, JOHN</b>	Mating-Induced Recombination In Fruit Flies <b>PRIEST, NICK K</b> , MIKE J WADE, LAURA F GALLOWAY, DEBORAH ROACH	
4:15	Floral Odor Variation In Heterostylous Primroses: Effects On Pollinators, Floral Constancy And Plant Fitness <b>CONTI, ELENA</b> , MONICA P QUAST, ANNE C GASKETT, FLORIAN P SCHIESTL	Investigating Copulatory Interactions And Testing Hypotheses Of Genitalic Evolution In A Group Of Scarab Beetles <b>POLIHRONAKIS, MAXI</b>	
4:30	Is There A Relationship Between Colour Polymorphism And Reproductive Success In Rewardless Orchids? <b>JUILLET, NICOLAS</b> , ANN SMITHSON, MARK R MACNAIR, LUC D B GIGORD	Juvenile Hormone Induced Gene Expression In The Eye-Antennal Discs Of Stalk-Eyed Flies <b>BAKER, RICHARD H</b> , JEFFREY L BOORE, GERALD S WILKINSON	
4:45	Has selection promoted population divergence of floral traits related to selfing in a mixed mating species?: Comparisons of QST and FST in <i>Collinsia verna</i> <b>KNAPCZYK, FRANCES</b> , JEFFREY K CONNER	Effects Of The Larval Rearing Environment On Post-Copulatory Traits In <i>Drosophila melanogaster</i> <b>McGRAW, LISA A</b> , ANTHONY C FIUMERA, MEERA RAMAKRISHNAN, SWETHA MADHAVARAPU, ANDREW G CLARK, MARIANA F WOLFNER	

SUNDAY June 25th	SSE Symposium SAC Auditorium	Development and Evolution SAC 302	Ecological Genetics Wang 401
8:30	SSE Symposium: <b>The Evolution of Behavioral Phenotypes</b> See page 17	Is Neoteny All Bark And No Bite? Using A New Software Package (Hetpad) To Test The Neotenic Dog Hypothesis <b>DRAKE, ABBY G</b> , LAURIE R GODFREY, MICHAEL R SUTHERLAND	Multiple Paternity Within Fruits In Natural Populations Of <i>Silene latifolia</i> , As Revealed By Microsatellite DNA Analysis <b>TEIXEIRA, SARA</b> , GIORGINA BERNASCONI
8:45		Metamorphosis And The Evolution Of Larval Adaptations In Ceratophryne Frogs <b>INFANTE, CARLOS R</b>	Different Landscape Features And Geographic Distance Do Limit Gene Flow Between Populations Of <i>Lithobates sylvaticus</i> In Southern Ontario <b>CROSBY, KATHERINE A</b> , JINZHONG FU
9:00		Homology And Homoplasmy In Ontogenetic Sequences, And The Evolution Of Viviparity In Salamandridae <b>BUCKLEY, DAVID</b> , MARVALEE H WAKE	Variable Populations Within Variable Populations: Mitochondrial Heteroplasmy In The Gynodioecious Plant <i>Silene vulgaris</i> <b>WELCH, MARK E</b> , DAVID E MCCAULEY
9:15		Embryological Ontogeny Of Sf1 And Aromatase Gene Expression Across Turtles With Contrasting Sex-Determining Mechanisms <b>VALENZUELA, NICOLE</b> , TAKAHITO SHIKANO, ANDREA LECLERE	Phylogeography Of <i>Octopus oliveri</i> In The Hawaiian Islands <b>VELASCO, VAN-NICHOLAS</b> , CHRISTOPHER E BIRD, ROBERT J TOONEN
9:30		Recombination And Mutation In Gene Networks In Silico <b>PALMER, MICHAEL E</b> , MARCUS W FELDMAN	A Naturally Occuring Knockout Of An Amino Acid Sensing Gene (Ssy1) In <i>Saccaromyces cerevisiae</i> Dramatically Changes Amino Acid Related Gene Expression <b>BROWN, KYLE M</b> , DUCCIO CAVALIERI, CHRISTIAN LANDRY, DANIEL HARTL
9:45		Digit Identity Evolution In The Genus <i>Chalcides</i> (Scincidae, Squamata): A Possible New Case Of Digit Identity Frame Shift <b>WAGNER, GUNTER P</b> , VINCENZO CAPUTO	Natural Selection At Multiple Levels: Selection For Higher Growth Rates Is Linked To Mitochondrial Variation In <i>Neopomacentrus filamentosus</i> . <b>BARBER, PAUL H</b> , LAURENT VIGLIOLA, M ELIZABETH JONES, MARK G MEEKAN, DEVIN M DROWN, PETER J DOHERTY

SUNDAY June 25th	Molecular Evolution SAC 303	Phylogenetic Theory and Methods SAC 306	Phylogeography Wang 201
8:30	Insertion-Deletion Bias In Introns And Genome Size Evolution In Birds <b>YURI, TAMAKI</b> , EDWARD L BRAUN, MICHAEL J BRAUN, RAURI C K BOWIE, SHANNON J HACKETT, KIN-LAN HAN, JOHN HARSHMAN, CHRISTOPHER J HUDDLESTON, REBECCA T KIMBALL, BEN D MARKS, KATHLEEN J MIGLIA, WILLAM A MOORE, SUSHMA REDDY, FREDERICK H SHELDON, DAVID STEADMAN	Reconstruction Of Hybrid Networks From Distances Between Leaves <b>WILLSON, STEPHEN J</b>	Comparative Phylogeography Of Rafting In North Atlantic Amphipods <b>HENZLER, CHRISTINE</b> , CLIFF CUNNINGHAM
8:45	Functional Evolution Of Odorant Binding Protein Genes In <i>Drosophila melanogaster</i> <b>WANG, PING</b> , TRUDY MACKAY, ROBERT ANHOLT	How Split Networks Get In Between The Trees <b>BRYANT, DAVID</b>	Ecological Niche Requirements Trump Major Oceanographic Processes In Shaping Phylogeographic Structure Of Direct Developing Intertidal Invertebrates <b>JONES, M ELIZABETH</b> , SCOTT C FRANCE
9:00	The Evolution Of The West Nile Virus Resistance Locus In Mice <b>FERGUSON, WILLIAM</b> , STEPHANE BOISSINOT	The Importance Of Partitioning Data In Phylogenetic Inference: A Case With Paleognathous Birds <b>BROWN, JOSEPH W, P MINDELL</b>	The Enigmatic Distribution Of A Salt-Flat Endemic Spider <b>CREWS, SARAH</b> , ROSEMARY G GILLESPIE
9:15	Diversification Pattern, Gene Duplication, And Positive Selection Of Pistillata-Like Genes: A Case In The Dogwood Genus <i>Cornus</i> (Cornaceae) <b>ZHANG, WENHENG</b> , QIU-YUN (JENNY) XIANG	Quantifying The Biasing Effects Of Fossil Data On The Calibration Of Molecular Divergence Time Estimates: A Simulation Study With The Program R8S <b>NOWAK, MICHAEL</b> , DAVID HEARN	Comparative Phylogeography Of Laniatorid Opilionids In The Southern Appalachians <b>THOMAS, STEVEN M</b> , MARSHAL HEDIN
9:30	Molecular Evolution Of The AWA And AWC Chemosensory Pathways In The Genus <i>Caenorhabditis</i> <b>JOVELIN, RICHARD</b> , JOSEPH P DUNHAM, PATRICK C PHILLIPS	Languages, Genes And The Peopling Of The Pacific. <b>GRAY, RUSSELL D</b> , SIMON GREENHILL	Disturbance And Vicariance In The Guiana Shield. <b>NOONAN, BRICE P</b>
9:45	Duplicated Genes In <i>Drosophila albomicans</i> <b>CHANG, TE-PIN</b> , HWEI-YU CHANG	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Sacred Intersex And Hairless Pigs Of Vanuatu: Recent Southeast Asian Domestication And Lapita Dispersal Of The Pacific Pig <b>LUM, J K</b> , JAMES K MCINTYRE, DOUG L GREGER, KIRK HUFFMAN, SYDNEY M VILAR

SUNDAY June 25th	Plant Mating Systems SAC 304	Population Ecology SAC 311	Quantitative Genetics SAC 305
8:30	Evolution Of Self-Compatibility In Beringian <i>Arabidopsis</i> <b>WOLF, DIANA E</b> , JANETTE A STEETS, NAOKI TAKEBAYASHI, DANE SALTER	Who Gives A Crab? Population Ecology Of Horseshoe Crabs In Long Island Sound. <b>MATTEI, JENNIFER H</b>	The Genetic Architecture Of A Niche: Variation And Covariation In Host Use Traits In The Colorado Potato Beetle <b>FORISTER, MATTHEW L</b> , ADAM G EHMER, DOUGLAS J FUTUYMA
8:45	Gene Family Evolution In Relation To Plant Mating Systems <b>MABLE, BARBARA K</b>	Common Size Distributions In Populations Of Annual Plants And Implications For Ne/N Ratios <b>ESPELAND, ERIN K</b> , MICHAEL O'FARRELL	Effects Of Migration And Hybridization On Species Divergence <b>GUILLAUME, FRÉDÉRIC</b> , MICHEAL WHITLOCK
9:00	Exploring The Effects Of Multiple Competitors For Pollination On The Mating System Of <i>Mimulus ringens</i> <b>FLANAGAN, REBECCA J</b> , JEFFREY D KARRON, RANDALL J MITCHELL	Understanding The Link Between Environmental Heterogeneity And Seed Dispersal In The Invasive Annual, <i>Erodium cicutarium</i> <b>BAYTHAVONG, BROOKE S</b> , MAUREEN STANTON, KEVIN RICE	Epistasis In Multiple Dimensions <b>HOULE, DAVID</b> , GREG KIRCHENBAUM
9:15	The Forces Acting On The Evolution Of Dichogamy <b>SARGENT, RISA D</b> , SARAH P OTTO	An Investigation Of Reproductive Allee Effects In Populations Of The Native Biennial <i>Sabatia angularis</i> (Gentianaceae) <b>SPIGLER, RACHEL B</b> , SHU-MEI CHANG	Epistasis And Dominance: Evidence For Differential Effects In Life History Versus Morphological Traits <b>ROFF, DEREK A</b> , KEVIN EMERSON
9:30	Mating Patterns And The Evolution Of Mating Type Frequencies In A Tristyloous Plant <b>HODGINS, KATHRYN A</b> , SPENCER C BARRETT	The Cuman's Guppy: Multiple Lineages Or Introgression? <b>ALEXANDER, HEATHER J</b> , SAMPSON S WU, FELIX BREDEN	Drift Vs. Hidden Variable Selection In and Among Line Divergence During Artificial Selection <b>CARTER, PATRICK A</b> , STEPHANIE L KANE, RICHARD S GOMULKIEWICZ, THEODORE GARLAND, JR.
9:45	Variation in the self-incompatibility response within and among populations of <i>Witheringia solanacea</i> (Solanaceae) <b>STONE, JUDY L</b> , MARUNA A SASUCLARK, CHRIS P BLOMBERG	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Comparative Evolutionary Genetics Of Spontaneous Mutations Affecting Body Size In Rhabditid Nematodes <b>OSTROW, DEJERIANNE T</b> , CHARLES F BAER, NAOMI PHILLIPS, J ROSENBLUM, D BLANTON, A AVALOS, A BOGGS, T KELLER, L LEVY, D APPEL

SUNDAY June 25th	<b>Sexual Selection</b> Wang Lecture Hall 1	
8:30	Selection On Multivariate Characters In <i>Drosophila montana</i> <b>ROUTTU, JARKKO</b>	
8:45	Rapid Divergence Of Post-Copulatory Traits In Stalk-Eyed Flies <b>AMITIN, EMILY, GERALD S WILKINSON</b>	
9:00	The Importance Of Alternative Mating Strategies In Speciation <b>CORL, AMMON, ALISON DAVIS, BARRY SINERVO</b>	
9:15	Tests Of Selective Divergence In Male Genitalia In Caribbean Crickets <b>ONEAL, ELEN, DANIEL OTTE, L. LACEY KNOWLES</b>	
9:30	Evolution Of Sexually Selected Traits In Hairstreak Butterflies <b>QUENTAL, TIAGO B</b>	
9:45	Sexual Selection And The Fisher Process <b>SMYTH, FIONA E, KIM VAN DER LINDE, DAVID HOULE</b>	

SUNDAY June 25th	SSE Symposium SAC Auditorium	Ernst Mayr Competition SAC 302	Adaptation Wang Lecture Hall 2
10:30	<b>SSE Symposium: The Evolution of Behavioral Phenotypes See page 17</b>	Evolution Of An Archipelago: Insights From The Phylogeography Of The Chatham Islands Skink <b>LIGGINS, LIBBY</b> , CHARLES DAUGHERTY, DAVID CHAPPLE, PETER RITCHIE	Geographic Variation in Host Use Traits in the Colorado Potato Beetle ( <i>Leptinotarsa decemlineata</i> ) <b>EHMER, ADAM G</b>
10:45		Molecular Phylogenetics Of The Lizard Genus <i>Microlophus</i> (Tropiduridae): Retrieving Indel Signal From Nuclear Introns. <b>BENAVIDES, EDGAR</b> , REBECCA BAUM, JACK W SITES	Photosynthetic Recovery Following Desiccation And Illumination Stresses: A Comparison Of Desert Crust Green Algae And Their Aquatic Relatives. <b>GRAY, DENNIS W</b> , LOUISE A LEWIS, ZOE G CARDON
11:00		Mitochondrial Genomes And Avian Phylogeny: Complex Characters And Resolvability Without Explosive Radiations <b>GIBB, GILLIAN</b>	A Comparative Method For Studying Adaptation To An Evolving Environment: A Controlled-Comparison Approach <b>HANSEN, THOMAS F</b> , STEVEN H ORZACK, JASON PIENAAR
11:15		Hybrid Zone Dynamics Between Two Species Of Salamanders In The Genus <i>Plethodon</i> <b>CHATFIELD, MATTHEW</b>	A Comparative Method For Studying Adaptation To An Evolving Environment: A Controlled-Comparison Analysis Of Fig-Wasp Sex-Ratio Evolution <b>ORZACK, STEVEN</b> , THOMAS HANSEN, JASON PIENAAR
11:30		Ants, Clocks, And Rocks: The Phylogeny And Diversification Of Modern Ants <b>MOREAU, CORRIE S</b> , CHARLES D BELL, ROGER VILA, S. BRUCE ARCHIBALD, NAOMI E PIERCE	Membranes, Biochemical Flux And The Evolution Of <i>Drosophila</i> Ethanol Tolerance <b>MONTOOTH, KRISTI L</b> , KYLE T SIEBENTHALL, ANDREW G CLARK
11:45		Bloodsucking Pollinators Converge: Local Adaptation In Long Tongued Horse Flies (Diptera: Tabanidae) <b>MORITA, SHELAH I</b>	The Long-Term Response To Directional Environmental Change: Adaptation Or Extinction? <b>NUNNEY, LEONARD</b>



SUNDAY June 25th	Ecological Genetics Wang 401	Empirical Population Genetics SAC 311	Molecular Evolution SAC 303
10:30	Epigenetic Variation And Its Ecological Consequences <b>RICHARDS, CHRISTINA L,</b> OLIVER BOSSDORF, MASSIMO PIGLIUCCI	Polymorphism, Linkage Disequilibrium, And Codon Bias In <i>Caenorhabditis</i> Nematodes <b>CUTTER, ASHER</b>	Molecular Evolution And Diversity Of Lignin Degrading Heme Peroxidases In Fungi <b>MORGENSTERN, INGO,</b> SHLOMIT KLOPMAN, DAVID S HIBBETT
10:45	Blowin' In The Wind: Advection Decouples Ne From N <b>WARES, JOHN, JAMIE</b> PRINGLE	Historical Ecology Of The California Sea Mussel, <i>Mytilus californianus</i> , Inferred From Multiple Gene Genealogies <b>POGSON, GRANT, KATHRYN</b> MESA, BRIAN ORT	Multi-Locus Sequencing Provides Insight Into The Evolutionary Dynamics Of The Protective Aphid Symbiont <i>Hamiltonella defensa</i> And Its Bacteriophage <b>DEGNAN, PATRICK H,</b> NANCY A MORAN
11:00	Seascape Genetics: A Coupled Oceanographic- Genetic Model Predicts The Observed Population Structure Of Caribbean Corals <b>GALINDO, HEATHER M,</b> DONALD B OLSON, STEPHEN R PALUMBI	Effects Of Chromosomal Arrangements On Patterns Of Sequence Variation <b>MENA, PAULINA A,</b> BRYANT F MCALLISTER	Functional Diversification Of Duplicate Genes Through Altered Sub-Cellular Localization <b>MCKAY, ASHLEY B,</b> R GEETA
11:15	FST And QST Under Neutrality <b>MILLER, JUDITH R,</b> MATTHEW B HAMILTON, BRYAN P WOOD	Biocomplexity In A Migratory Pelagic Fish, Atlantic Herring <b>RUZZANTE, DANIEL E,</b> DORTE BEKKEVOLD, STEFANO MARIANI, ET AL.	Patterns And Processes Shaping Phylogenetic Diversity In The Namaqua Rock Mouse <i>Aethomys namaquensis</i> (Rodentia: Muridae) From Southern Africa <b>RUSO, ISA-RITA M,</b> CHRISTIAN T CHIMIMBA, PAULETTE BLOOMER
11:30	Contrasting Infection Strategies In Generalist And Specialist Wasp Parasitoids Of <i>Drosophila</i> <b>SCHLENKE, TODD,</b> JORGE MORALES, SHUBHA GOVIND, ANDY CLARK	Population Structure Of <i>Ceutorhynchus scrobicollis</i> : A Candidate For The Biological Control Of Garlic Mustard. <b>RAUTH, STEVEN J,</b> RUTH A HUFBAUER	Selection On Gamete Recognition Proteins Depends On Sex, Density And Genotype Frequency <b>LEVITAN, DON R,</b> DAVID L FERRELL
11:45	Comparative Population Genetics In A Genus Of Great Basin Longhorn Beetle <b>ELZINGA, CHRISTOPHER D,</b> BRIAN D FARRELL	Unexpected Genetic Structure In A Marine Fish With A Dispersive Larval Phase <b>BURFORD, MARTHA O</b>	Convergence, Constraint And The Role Of Regulatory Genes In Adaptive Radiation: Floral Anthocyanins In <i>Aquilegia</i> WHITTALL, JUSTEN B, <b>CLAUDIA</b> <b>VOELCKEL,</b> DANIEL J KLIEBENSTEIN, SCOTT A HODGES

SUNDAY June 25th	Phylogeography Wang 201	Plant Mating Systems SAC 304	Quantitative Genetics SAC 305
10:30	Widespread GeneFlow In Segemented Terrestrial RNA Phages <b>O'KEEFE, KARA J</b>	Why Do Expensive And Unreliable Chasmogamous Flowers Persist In The Cleistogamous Violet, <i>Viola septemploba</i> ? <b>WINN, ALICE A</b> , KEN S MORIUCHI	Genetic Basis Of Sexual Shape Dimorphism: Variation Within And Between <i>Drosophila</i> Species <b>GIDASZEWSKI, NELLY</b> , CHRISTIAN P KLINGENBERG
10:45	Phylogeographic Studies And Speciation In Patagonian <i>Hordeum</i> Species <b>JAKOB, SABINE S</b> , FRANK R BLATTNER	Polyploidy And Self-Fertilization In Flowering Plants <b>BARRINGER, BRIAN C</b>	Genetic Basis Of Pigmentation Differences Within And Between <i>Drosophila</i> Species. <b>WITTKOPP, PATRICIA</b> , BELINDA HAERUM, EMMA STEWART, ALEKHYA RATNALA
11:00	Concordant Phylogeny With Discordant Phylogeography: Contrasting Responses Of Two Highly Dispersive Marine Gastropods To A Shared Allopatric Barrier <b>CRANDALL, ERIC D</b> , MELISSA FREY, RICHARD K GROSBERG, PAUL H BARBER	The Effects Of Inbreeding On Progeny Sex Ratio And Gender Variation In Gynodioecious <i>Silene vulgaris</i> <b>GLAETTLI, MELANIE</b> , JEROME GOUDET	Quantitative Genetics On Metabolism In Insects: A Study In The Colonizing Species <i>Drosophila subobscura</i> <b>CASTAÑEDA, LUIS E</b> , ROBERTO F NESPOLO
11:15	Cryptic Biodiversity In Marine Systems: Phylogeography And Recent Radiations In A Caribbean Snapping Shrimp Complex <b>MATHEWS, LAUREN</b>	Pollen Competition Reduces Inbreeding Depression In <i>Collinsia heterophylla</i> (Plantaginaceae) <b>LANKINEN, ÄSA</b> , SCOTT ARMBRUSTER	Selection For Starvation Resistance Using <i>Drosophila melanogaster</i> ZHOU, MIN, <b>MEI-HUI WANG</b> , LAWRENCE HARSHMAN, SERGEY NUZHIDIN
11:30	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Do Inbreeding and Drift Load Limit Local Adaptation in an Annual Plant? <b>HEREFORD, JOE</b>	Genome-Enabled Hitch-Hiking Mapping Identifies Alleles For Stress Resistance In Natural <i>Drosophila</i> <b>NUZHIDIN, SERGEY V</b> , MIN ZHOU, KRISTY HARMON, LARRY HARSHMAN
11:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	The Genetic Dependencies Of Purging <b>KELLY, JOHN K</b> , JOHN H WILLIS	The Evolutionary Genetics of Wing Dimorphism in a Waterstrider <b>KING, ELIZABETH G</b> , DAPHNE J FAIRBAIRN, DEREK A ROFF

SUNDAY June 25th	Speciation SAC 306	
10:30	<p>Selection Drives The Evolution Of Morphological Clines In Stream Stickleback <i>(Gasterosteus aculeatus)</i> Despite High Gene Flow <b>MOORE, JEAN-SÉBASTIEN</b> <b>MOORE</b>, JENNIFER GOW, ERIC TAYLOR, ANDREW HENDRY</p>	
10:45	<p>Divergent Use Of Resources Match Morphological And Genetic Divergence Of <i>Telmatherina</i> In Lake Matano, Indonesia. <b>ROY, DENIS</b>, GORD PATERSON, PAUL B HAMILTON, DANIEL D HEATH, G.DOUG HAFFNER</p>	
11:00	<p>Adaptive Radiation In A Sympatric Clade Of Marine Fishes <b>CLEMENTS, KENDALL D</b>, RUSSELL D GRAY, CHARLES S BAKER, SARAH L EYTON, MAREN WELLENREUTHER, ANTHONY J R HICKEY</p>	
11:15	<p>Reinforcement Of Mate Preference Among Hybridizing <i>Heliconius</i> Butterflies <b>KRONFORST, MARCUS R</b></p>	
11:30	<p>Competition Promotes Ecological Selection Against Population "Hybrids" <b>RICE, AMBER M</b>, DAVID W PFENNIG</p>	
11:45	<p>Conspecific Sperm Precedence In The Caribbean Coral <i>Montastraea annularis</i> Species Complex <b>FOGARTY, NICOLE D</b>, DON R LEVITAN, NANCY KNOWLTON</p>	

SUNDAY June 25th	SSE Symposium SAC Auditorium	ASN: <i>Merging ecological and evolutionary approaches to understanding geographic gradients in species richness</i> Wang Theatre	Ernst Mayr Competition SAC 302
1:30	SSE Symposium: <b><i>The Evolution of Behavioral Phenotypes</i></b> See page 17	Biogeographic Origins and the Productivity-Diversity Relationship in Californian Serpentine Plants <b>HARRISON, SUSAN</b>	Flyfishing Parasitoids: The Occurrence And Evolutionary Implications Of The Ovipositor Clip Within <i>Cynipoidea</i> (Insecta: Hymenoptera) <b>BUFFINGTON, MATTHEW</b>
1:45		Nuclear Markers Resolve Ratite Phylogenetic Relationships And The Position Of Palaeognaths In The Avian Tree Of Life <b>HADDRATH, OLIVER, ALLAN J BAKER</b>	
2:00		Correlates of Diversification in the Plant Clade <i>Dipsacales</i> : Geographic Movement Versus Evolutionary Innovation <b>DONOGHUE, MICHAEL, B MOORE</b>	Development Of Genome-Scale Nuclear Gene Markers For The Tree Of Ray-Finned Fish <b>LI, CHENHONG, GUILLERMO ORTI, GUOQING LU</b>
2:15		A Biologist's Guide To Dating <b>HO, SIMON Y</b>	
2:30		Niche Conservatism and Climate Change as Drivers of the Global Bird Diversity Gradient <b>HAWKINS, BRAD, J A F DINIZ-FILHO, C A JARAMILLO, S A SOELLER</b>	Dueling Datasets: Why Do Mitochondrial And Nuclear Genes Disagree On <i>Neodiprion</i> (Hymenoptera: Diprionidae) Phylogeny? <b>LINNEN, CATHERINE R, BRIAN D FARRELL</b>
2:45		Evaluating Species Limits In Agamic And Polyploid Complexes In <i>Crataegus</i> (Rosaceae). <b>LO, EUGENIA Y, SASA STEFANOVIC, TIMOTHY A DICKINSON</b>	

SUNDAY June 25th	Adaptation Wang Lecture Hall 2	Empirical Population Genetics SAC 311	Molecular Evolution SAC 303
1:30	Parallel Evolution At Homologous Sites Provides Tetrodotoxin Resistance In The Sodium Channel Gene Family Of Pufferfishes (Tetraodontidae) <b>JOST, MANDA CLAIR, HAROLD ZAKON, DAVID HILLIS, YING LU, JACK KYLE</b>	Contrasting Patterns Of Genetic Structure Among Western European Populations Of Tawny Owls Based On Mitochondrial And Nuclear Markers <b>BRITO, PATRICIA H</b>	Functional And Vestigial Olfactory Receptor Genes In Divergent Lineages Of Whales: Evolutionary Patterns And Phylogenetic Utility <b>McGOWEN, MICHAEL R, JOHN GATESY</b>
1:45	Comparison Of Gene Expression In Segregating Families Identifies Genes And Genomic Regions Involved In A Novel Adaptation, Zinc Hyperaccumulation <b>MACNAIR, MARK R, VICTOR FILATOV, NICHOLAS SMIRNOFF, JOHN DOWDLE, BRIAN FORD-LLOYD, JOHN NEWBURY</b>	Polymorphism, Recombination And Divergence In The Zebra Finch: The Songbird Model System For Genomics <b>BALAKRISHNAN, CHRISTOPHER N, SCOTT V EDWARDS</b>	Multiple Homoplasious Insertions And Excisions Of A Triticeae (Poaceae) DNA Transposon: A Phylogenetic Perspective <b>MASON-GAMER, ROBERTA J</b>
2:00	Trophic Morphology And Local Adaptation In Threespine Stickleback <b>TRAVIS, MATTHEW P</b>	Nucleotide Sequence Diversity In A Newly Y-Linked Region Of The <i>Drosophila americana</i> Genome <b>MCALLISTER, BRYANT F</b>	Evolution Of Introns In Galliform Birds <b>KIMBALL, REBECCA T, EDWARD BRAUN</b>
2:15	Local Adaptation And Gene Flow Across Serpentine And Non-Serpentine Habitats In Two Contrasting Plant Species <b>WRIGHT, JESSICA W</b>	Molecular Evidence On Cryptic Speciation Of An Estuarine Copepod <i>Acartia tonsa</i> In Chesapeake Bay <b>CHEN, GANG, MATTHEW P HARE</b>	Heterozygote Advantage And The Maintenance Of Polymorphism In The Major Histocompatibility Complex <b>STOFFELS, RICK, HAMISH SPENCER</b>
2:30	Limits To Adaptation: Evidence From Multiple Rainforest Species <b>KELLERMANN, VANESSA M, BELINDA VAN HEERWAARDEN, ARY A HOFFMANN, CARLA M SGRÒ</b>	Models For Comparing Male And Female Demographic Histories Using Autosomal And X-Chromosomal Microsatellites <b>RAMACHANDRAN, SOHINI, NOAH A ROSENBERG, MARCUS W FELDMAN</b>	Allopatric Divergence Of MtDNA And Nuclear Genes Functioning In Energy Production <b>BURTON, RON, J S HARRISON</b>
2:45	Population Bottlenecks: Increasing Additive Genetic Variance For A Trait With No Evolutionary Potential <b>VAN HEERWAARDEN, BELINDA, TORSTEN N KRISTENSEN, YVONNE WILLI, ARY HOFFMANN</b>	Mighty Warped Gene Trees From Little Mutations Grow <b>SEGER, JON, FRED ADLER, ZOFIA A KALISZEWSKA, WENDY SMITH</b>	Retrogene Movement Within- And Between-Chromosomes In Evolution Of <i>Drosophila</i> Genome <b>DAI, HONGZHENG, TOSHIO F YOSHIMATSU, MANYUAN LONG</b>

SUNDAY June 25th	Phylogeography Wang 201	Plant Mating Systems SAC 304	Quantitative Genetics SAC 305
1:30	Disjunct Populations And Speciation: The Case Of The Sand Shiner, <i>Notropis stramineus</i> <b>PITTMAN, KENDRA J,</b> JENNIFER M GLEASON	Is Clonality Correlated With Self-Incompatibility? A Phylogenetic Test With <i>Solanum</i> <b>VALLEJO-MARIN, MARIO,</b> HEATH O'BRIEN	Patterns And Evolutionary Consequences Of Epistasis For Body Composition In Mice <b>JARVIS, JOSEPH P,</b> JAMES M CHEVERUD
1:45	Phylogeography And Evolution Of The Triplefin <i>Tripterygion delaisi</i> (Pisces, Blennioidei) <b>DOMINGUES, VERA S,</b> VITOR C ALMADA, RICARDO S SANTOS, ALBERTO BRITO, GIACOMO BERNARDI	Gunsite Trajectories: Constraints Vs Independence Of Floral Traits, Life History, And Mating System Within And Between <i>Gunsite clarkia</i> Subspecies <b>DUDLEY, LEAH S,</b> SUSAN J MAZER	Beyond Pleiotropy: Functional Dissection Of Multiple-Trait QTL Using Structural Equation Models. <b>REMINGTON, DAVID L</b>
2:00	The Phylogeography Of Two U.S. Atlantic Jellyfish ( <i>Chrysaora</i> And <i>Cyanea</i> ) And The Coastal:Estuarine Interface <b>BAYHA, KEITH M,</b> JOHN H McDONALD, PATRICK M GAFFNEY	The Intensity Of Assortative Mating By Flowering Time <b>WEIS, ARTHUR E,</b> STEVEN J FRANKS	Phylogenetic Analysis Of Quantitative Trait Evolution Using Vertebral Number In Garter Snakes <b>HOHENLOHE, PAUL A,</b> STEVAN J ARNOLD
2:15	Diversification Of The <i>Phyllotis xanthopygus</i> Species Complex (Leaf-Eared Mice) In The Andes: A Phylogeographic Perspective From Multiple Mitoch <b>STEPHAN, SCOTT J,</b> JENNER BANBURY, CHRISOPHER HALE, A GALLEGOS, L. VANDEVREDE, S SOUCY-LUBELL, L WALKER, O RAMIREZ	Geographic Variation In Population Sex Ratios Of Gynodioecious <i>Lobelia siphilitica</i> : Ecological Correlates <b>CARUSO, CHRISTINA,</b> ANDREA CASE	Quantitative Genetic Variation In Populations Of <i>Amsinckia spectabilis</i> That Differ In Rate Of Self-Fertilization <b>BARTKOWSKA, MAGDALENA,</b> MARK JOHNSTON
2:30	Speciation In A Round Planet: Phylogeny Of The Goatfish <i>Mulloidichthys</i> <b>LESSIOS, HARILAOS A,</b> D. R ROBERTSON	Mating System Evolution In <i>Mimulus parishii</i> And <i>Mimulus lewisii</i> : Development Of A New System <b>BEARDSLEY, PAUL M,</b> JEFF HILL, CHARLES F WILLIAMS	Drift And The Evolution Of Multiple Quantitative Traits <b>GRISWOLD, CORTLAND,</b> BENJAMIN LOGSDON, RICHARD GOMULKIEWICZ
2:45	Phylogeography Of The Common Froglet, <i>Crinia signifera</i> In Southeast Australia: Unexpected Diversity In A Widespread Species <b>SYMULA, REBECCA E,</b> SCOTT KEOGH, DAVID CANNATELLA	The Effect Of Herbivores On Gender And Phenotypic Evolution: An Experimental Study <b>ASHMAN, TIA-LYNN</b>	Frequency-Dependent Evolution And Maladaptation <b>CASTILLO-GUAJARDO, DERIK,</b> GISELA GARCIA-RAMOS

SUNDAY June 25th	Speciation SAC 306	Systematics Wang Lecture Hall 1
1:30	The Role Of Body Size In Ecological Diversification And Reproductive Isolation In A Sister Species Pair Of Triplefin Fishes <b>WELLENREUTHER, MAREN, PAUL T BARRETT, KENDALL D CLEMENTS</b>	Molecular Systematics In Amorphocerine Weevils On African Cycads <b>DOWNIE, DOUGLAS A, JOHN S DONALDSON, ROLF G OBERPRIELER</b>
1:45	Extraordinary AFLP-Fingerprint Similarity Of Assortatively Mating Coral Reef Fishes <b>MCCARTNEY, MICHAEL A, FELIPE S BARRETO</b>	Understanding The Evolution Of A Novel And Ecologically Important Fruit Trait In Brassicaceae <b>HALL, JOCELYN C, TRACY E TISDALE, KATHLEEN DONOHUE, ANDREW WHEELER, ELENA KRAMER</b>
2:00	Genetics Of Mating Discrimination In <i>Drosophila pseudoobscura</i> <b>KANDUL, NIKOLAI P, MOHAMED A NOOR</b>	Tree Of Life And Divergence Times For Shorebird Genera <b>BAKER, ALLAN J, SERGIO L PEREIRA, TARA A PATON</b>
2:15	Cascading Sympatric Speciation In <i>Diachasma alloeum</i> <b>FORBES, ANDREW A, JEFFREY L FEDER</b>	Incidence, Phylogeny, And Evolution Of <i>Cardinium</i> Endosymbionts In Armored Scale Insects <b>GRUWELL, MATTHEW E, MATT FULLMER, DEREK GYLLENHAMMER, RODGER GWIAZDOWSKI, BENJAMIN B NORMARK</b>
2:30	Spatial Structure Of Host-Race Formation In The Parasitoid <i>Copidosoma gelechia</i> <b>KOLACZ, CHRIS R, STEPHEN B HEARD</b>	Phylogenomics Of Drosophilidae: Systematics And Genome Evolution <b>O'GRADY, PATRICK</b>
2:45	Habitat Avoidance: Overlooking An Important Aspect Of Sympatric Host Race Formation In <i>Rhagoletis</i> Flies <b>FEDER, JEFFREY L, ANDREW FORBES, CHARLES LINN, WENDELL ROELOFS, STEWART BERLOCHER, HATTIE R DAMBROWSKI</b>	Have We Discovered A "Fountain Of Variation?" An Analysis Of Non-Coding Regions Within The Black Coral (Cnidaria: Anthozoa) Mitochondrial Genome <b>BRUGLER, MERCER R, SCOTT C FRANCE</b>

<p>SUNDAY June 25th</p>	<p>SSE Symposium SAC Auditorium</p>	<p>ASN: <i>Merging ecological and evolutionary approaches to understanding geographic gradients in species richness</i> Wang Theatre</p>	<p>Ernst Mayr Competition SAC 302</p>
<p>3:30</p>	<p style="text-align: center;">SSE Symposium: <b><i>The Evolution of Behavioral Phenotypes</i></b> See page 17</p>	<p>A Historical Framework for Understanding Present Day Diversity Gradients <b>KAUSTUV ROY</b></p>	<p>Phylogeny Of The Libelluloidea (Odonata) <b>WARE, JESSICA L</b></p>
<p>3:45</p>		<p>Character Evolution In <i>Myrmecocystus</i> Honeypot Ants <b>O'MEARA, BRIAN C</b></p>	
<p>4:00</p>		<p>Evolutionary and ecological causes of the latitudinal diversity gradient in amphibians <b>JOHN WIENS</b></p>	<p>Allopatric Speciation In The <i>Rhagoletis pomonella</i> Species Complex <b>XIE, XIANFA</b></p>
<p>4:15</p>		<p>A Bayesian Implementation Of Mixture Models And The Phylogeny Of South American <i>Stenocercus</i> Lizards (Squamata: Iguania) <b>TORRES-CARVAJAL, LENIN O, JAMES A SCHULTE, JOHN E CADLE</b></p>	
<p>4:30</p>		<p>History and Diversity: Explorations at the Intersection of Ecology and Evolution <b>RICKLEFS, ROBERT</b></p>	<p style="text-align: center;"><b>No talk currently scheduled in this time slot</b></p> <p style="text-align: center;"><b>Check addendum</b></p>
<p>4:45</p>		<p style="text-align: center;"><b>No talk currently scheduled in this time slot</b></p> <p style="text-align: center;"><b>Check addendum</b></p>	



SUNDAY June 25th	Adaptation Wang Lecture Hall 2	Community Ecology SAC 304	Empirical Population Genetics SAC 311
3:30	Stranger In A Strange Landscape: Unexpected Adaptive Walks Of An RNA Virus On A Novel Host <b>DUFFY, SIOBAIN</b> , CHRISTINA L BURCH, PAUL E TURNER	Community Heritability Measures The Evolutionary Consequences Of Indirect Genetic Effects On Community Structure <b>SHUSTER, STEPHEN M</b> , ERIC V LONSDORF, GINA M WIMP, JOSEPH K BAILEY, THOMAS G WHITHAM	Integrating Patterns Of Polymorphism At SNPs And STRs <b>PAYSEUR, BRET A</b> , ASHER D CUTTER
3:45	Fitness Recovery In Genetic Knockouts Of <i>C. elegans</i> <b>DAVIS, BRAD</b> , ANDREW PETERS, MICHAEL C WHITLOCK	Simultaneous Effects Of Phylogenetic Niche Conservatism And Competition On Avian Community Structure <b>LOVETTE, IRBY</b> , WESLEY HOCHACHKA	A Discrete Two-Generation Analysis Of Pollen Movement. Or It Sure Would Be Easier If Insects Were Brownian <b>DYER, RODNEY J</b> , DAVID CHAN
4:00	Experimental Evolution In An RNA Bacteriophage <b>BETANCOURT, ANDREA J</b>	Clinal Variation In Microbial Communities In <i>Drosophila melanogaster</i> <b>CORBY-HARRIS, VANESSA</b> , ANA C PONTAROLI, KRISTIN E HABEL, DANIEL E L PROMISLOW	Coral Population Genetics: Investigating Gene Flow In The Indonesian Seas <b>STARGER, CRAIG J</b> , ANDREW C BAKER, PAUL H BARBER
4:15	Clonal Interference Is Alleviated By High Mutation Rates <b>BOLLBACK, JONATHAN P</b> , JOHN P HUELSENBECK	Species Age, Area, And Abundance: Are Rare Species Generally Young Species? <b>PAUL, JOHN R</b> , CYNTHIA MORTON, STEPHEN J TONSOR	Variation In Pleiotropy And The Mutational Underpinnings Of The G-Matrix <b>ESTES, SUZANNE</b> , PATRICK C PHILLIPS
4:30	Hot Mommas Adapt: Evolution Of The Heat Shock Response In Female <i>Drosophila melanogaster</i> <b>FOLK, DONNA G</b> , GEORGE W GILCHRIST, DAVID RAND	Evolutionary And Ecological Aspects Of Community Assembly In Australian Desert Lizards <b>RABOSKY, DANIEL L</b> , JULIAN REID, MARK A COWAN, JEFF FOULKES	The Molecular Basis Of Host Adaptation In Cactophilic <i>Drosophila</i> : Molecular Evolution Of Glutathione S-Transferase (GSTD1) In <i>Drosophila mojavensis</i> <b>MATZKIN, LUCIANO</b>
4:45	The Genetic Basis Of Thermal Reaction Norm Evolution In Lab And Natural Phage Populations <b>KNIES, JENNIFER L</b> , R IZEM, S SUPLER, J KINGSOLVER, C BURCH	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

SUNDAY June 25th	Molecular Evolution SAC 303	Phylogeography Wang 201	Quantitative Genetics SAC 305
3:30	Hox Clusters And Genes At Two Critical Points In Ray-Finned Fish Phylogeny <b>CHIU, CHI-HUA</b> , JEREMY RAINCROW, PETER STADLER	Patterns Of Historic Range Expansion In A Widespread Amphibian: The Effects Of Climate, Vicariance And Dispersal On Genetic Diversity In The Wood Frog <b>LEE-YAW, JULIE A</b> , DAVID M GREEN	A General Model of Functional and Statistical Epistasis and its Application in QTL Analyses <b>ÁLVAREZ-CASTRO, JOSÉ M</b> , ÖRJAN CARLBORG
3:45	Consequences Of Mating System For Evolutionary Genetics Of <i>Eichhornia paniculata</i> <b>NESS, ROB W</b> , SPENCER C BARRETT	Phylogenetic Relationships Of The Chiapas Catfish, <i>Lacantunia enigmatica</i> (Siluriformes: Lacantuniidae) And Their Biogeographic Implications <b>SULLIVAN, JOHN P</b> , JOHN G LUNDBERG, RUCIO RODILES-HERNANDEZ, DEAN A HENDRICKSON	Quantitative Trait Loci Affecting Phenotypic Plasticity Of Ovary Size To Nutrition. <b>BERGLAND, ALAN</b> , ANNE GENISSEL, SERGEY NUZHIDIN, MARC TATAR
4:00	Estimation Of Microsatellite Mutation Rates In <i>Arabidopsis thaliana</i> <b>MARRIAGE, TARA N</b> , JOHN K KELLY, MARIA E ORIVE, MARK E MORT	Historical Diversification Of An Amazonian Antwren, <i>Myrmotherula longipennis</i> <b>CHESSER, ROBERT T</b>	Field Measurement Of Heritability For Floral Traits In Hummingbird-Pollinated <i>Silene virginica</i> And Noctuid Moth-Pollinated <i>S. Stellata</i> <b>REYNOLDS, RICHARD J</b> , CHARLES B FENSTER, MICHELE R DUDASH
4:15	Functional Diversification And Molecular Evolution Of Long-Wavelength Opsins In Viceroy Butterflies <b>FRENTIU, FRANCESCA D</b> , KATY L PRUDIC, CRISTINA I CUEVAS, ADRIANA D BRISCOE	Surviving The Ice-Ages: Habitat Preference And Phylogeography Of Two Australian Funnel Web Spider Species <b>BEAVIS, AMBER S</b> , DAVE M ROWELL, PAUL SUNNUCKS	The Genetic Basis Of Standing Variation For Flower Size In <i>Mimulus guttatus</i> <b>LEE, YOUNG WHA</b> , JOHN WILLIS, JOHN KELLY
4:30	Population Genomics Of Polyglutamine Expansion In <i>Drosophila</i> : HSP70 As A Selective Agent <b>BETTENCOURT, BRIAN R</b>	Evolution And Maintenance Of Old Intraspecific Contact Zones: Cytonuclear Discordance In The Black-Tailed Brush Lizard ( <i>Urosaurus nigricaudus</i> ) <b>LINDELL, JOHAN</b> , FAUSTO R MÉNDEZ-DE LA CRUZ, ROBERT W MURPHY	QTL Analysis Of The Early Domestication Of Sunflower <b>WILLS, DAVID M</b> , JOHN M BURKE
4:45	Cluster And Evolution Of Prokaryotic Noncoding Sequences <b>GE, FAN</b> , JUNHYONG KIM	The Paternal Origins of the Arab Pastoral Nomads, <b>AL GHARAIBEH, WALEED</b>	Genetic Analysis Of Rice Domestication Syndrome With The Wild Annual Species, <i>Oryza nivara</i> <b>LI, CHANGBAO</b> , AILING ZHOU, TAO SANG

SUNDAY June 25th	Speciation SAC 306	Systematics Wang Lecture Hall 1
3:30	Evidence For Further Isolation Within An Incipient Species Of <i>Anopheles gambiae</i> S.S. And The Role Of Inversions In Reproductive Isolation <b>SLOTMAN, MICHEL A</b> , FREDERIC TRIPET, ANTON J CORNEL, CLAUDIO R MENESES, YOOSOOK LEE, LISA J REIMER, TARA C THIEMANN, ETIENNE FONDJO, ABDRAHAMANE FOFANA, SEKOU F TRAORE, GREGORY C LANZARO	Systematics Of Arachnids Using Rare Genomic Changes <b>MASTA, SUSAN E</b> , STUART J LONGHORN, JEFFREY L BOORE
3:45	Prezygotic Isolation And Genetic Divergence Between Sympatric Morphs Of A Darwin's Finch ( <i>Geospiza fortis</i> ) <b>HUBER, SARAH K</b> , LUIS FERNANDO DE LEON, ANDREW P HENDRY, JEFF PODOS	Molecular Evolution Of Goatsuckers <b>HAN, KIN-LAN</b> , MICHAEL J BRAUN
4:00	Speciations In Progress For <i>Phoxinus eos-Neogaeus</i> Complex <b>MASSICOTTE, RACHEL</b> , PIERRE MAGNAN, BERNARD ANGERS	The Role Of Hybridization In The Diversification Of <i>Persicaria</i> (Polygonaceae) <b>KIM, SANG-TAE</b> , MICHAEL J DONOGHUE
4:15	Speciation In Reef Corals: A Genic View Across A Low-Dispersal Seascape <b>PALUMBI, STEPHEN</b> , STEVE VOLLMER	Bayesian Analysis Of Coi DNA Sequence Reveals The Silverleaf Whitefly, <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae), Is A Well Supported Species Complex <b>BOYKIN, LAURA M</b> , DON R FROHLICH, ROBERT G SHATTERS, JR., ROSIE C ROSELL, CINDY L MCKENZIE, RUTH A BAGNALL
4:30	Population Structure And Demographic History In Invasive And Endemic Weevils In The Galapagos Archipelago <b>SEQUEIRA, ANDREA S</b> , ANALIA A LANTERI, LAZARO ROQUE ALBELO, SAYANTANI BHATTACHARYA, MANISHA SIJAPATI	Estimating Divergence Times Within Medusozoa (Cnidaria) Using Molecular Divergence Rates And Fossil Calibrations <b>COLLINS, ALLEN G</b> , PAULYN CARTWRIGHT, NAT EVANS
4:45	Population Genetic Structure Of <i>Rhagoletis pomonella</i> In Mexico And The Influences On Host-Race Evolution <b>MICHEL, ANDREW P</b> , JUAN RULL, JEFFREY L FEDER, MARTIN ALUJA	Molecular Phylogeny Of The Order Corallimorpharia (Cnidaria: Anthozoa: Hexacorallia). <b>CHA, HARIM</b>

MONDAY June 26th	SSE Education Committee Symposium SAC Auditorium	JEB/ESEB: <i>Integrative Studies of Evolutionary Processes</i> Wang Theatre	Adaptation Wang Lecture Hall 2
8:30	<p style="text-align: center;"><b>SSE Education Committee Symposium</b>  <i>Intelligent Design on Trial: Lessons from the            Kitzmiller v. Dover Creationism Case</i>  <b>See page 22-23</b></p>	<p>The evolution of quorum-sensing in microbes  <b>ROLF HOEKSTRA</b></p>	<p>From QTL To QTN:            Adaptive Color Pattern In Beach Mice.  <b>HOEKSTRA, HOPI E</b>, CYNTHIA C STEINER, LINDA M BOETTGER</p>
8:45			<p>Clinal Variation In Genes Responsible For Adaptive Pigmentation In Beach Mice  <b>MULLEN, LYNNE</b>, HOPI HOEKSTRA</p>
9:00		<p>Limits to adaptation: what can microbes in test tubes tell us?  <b>NICK COLEGRAVE</b></p>	<p>Sequence Diversity And Fitness Associations With Genes In The Shade Avoidance Pathway  <b>BROCK, MARCUS T</b>, PETER TIFFIN, CYNTHIA WEINIG</p>
9:15			<p>Thermal Adaptation To Phenologically-Defined Growing Seasons In Pitcher Plant Mosquitoes  <b>RAGLAND, GREGORY</b>, JOEL KINGSOLVER</p>
9:30		<p>Molecular convergence in host manipulation by parasites  <b>FRÉDÉRIC THOMAS</b></p>	<p>Multiple Fitness Optima In The Growth Forms Of Clonal Hydroids  <b>FERRELL, DAVID L</b></p>
9:45			<p>Genomic Targets Of Selection During Habitat Invasions  <b>LEE, CAROL E</b>, BRIAN D EADS, GREG W GELEMBIUK</p>

MONDAY June 26th	Behavior/Social Evolution Wang 201	Comparative Biology SAC 303	Conservation Biology SAC 304
8:30	From Individual Behavior To Evolutionary Suicide: The Role Of Species-Level Selection In Selfish Communities <b>RANKIN, DANIEL J</b> , ANDROS LOPEZ-SEPULCRE, KEVIN R FOSTER, HANNA KOKKO	Adaptation And Inertia In The Evolution Of Thermal Preferences In <i>Liolaemus</i> Lizards <b>PIENAAR, JASON</b> , THOMAS HANSEN, ANTONIETA LABRA	Cougars Back In Eastern Canada: Molecular Identifications Confirm Sightings <b>LANG, LE DUING</b> , NATHALIE TESSIER, FRANCOIS-JOSEPH LAPOINTE, MARC GAUTHIER, RENEE WISSINK, HOLONE JOLICOEUR
8:45	What's Wrong With Inclusive Fitness? <b>FLETCHER, JEFFREY A</b>	Phenotypic Evolution And Diversification In The <i>Plethodon cinereus</i> Species Complex <b>ADAMS, DEAN C</b> , MICHAEL L COLLYER	Genetic Structure Of Hawaiian Honeycreepers In Relation To The Distribution Of Avian Malaria <b>FOSTER, JEFFREY T</b> , ROBERT C FLEISCHER, BETHANY L WOODWORTH, LORI EGGERT, DANIELLE PALMER
9:00	Call Evolution And Acoustic Niche Partitioning In Chorus Frogs ( <i>Pseudacris</i> ) <b>MORIARTY LEMMON, EMILY C</b> , MARCOS GRIDI-PAPP, DAVID C CANNATELLA	A Phylogenetic Perspective On Elevational Species Richness Patterns In Middle American Treefrogs <b>SMITH, SARAH A</b> , ADRIAN NIETO MONTES DE OCA, TOD W REEDER, JOHN J WIENS	Fire Management And The Effects Of Drift And Gene Flow On The Eastern Collared Lizard, <i>Crotaphytus collaris</i> Collaris <b>NEUWALD, JENNIFER L</b> , ALAN R TEMPLETON
9:15	Hatching Asynchrony In Birds: What Can Reptiles Tell Us? <b>WHILE, GEOFF M</b> , ERIK WAPSTRA	Revealing Allometric Variation In Shape <b>VAN DER LINDE, KIM</b> , DAVID HOULE	Assessing Connectivity In A Marine Invertebrate: Conservation Genetics Of The Red Abalone ( <i>Haliotis rufescens</i> ) <b>GRUENTHAL, KRISTEN M</b> , LAUREN K ACHESON, RONALD S BURTON
9:30	Does 1+1=2? Additive And Non-Additive Effects On Social Behavior In Guppies, <i>Poecilia reticulata</i> <b>BLEAKLEY, BRONWYN H</b> , DERRICK J PARKER, EDMUND D BRODIE III	Morphological Evolution And Mimicry In Ithomiine Butterflies (Nymphalidae) <b>HILL, RYAN</b>	Using The Ideal To Get At The Real: Estimation Of Effective Population Size As A Cross-Validation And Exploratory Tool In Species Management <b>JUE, NATHANIEL K</b>
9:45	Efficiency Evaluation Of Two Competing Foraging Modes: Active And Ambush Predation <b>SCHARF, INON</b> , OFER OVADIA, AMOS BOUSKILA	Inbreeding And Outbreeding In A Wild-Harvested Species, American Ginseng <b>MOONEY, EMILY H</b> , JAMES B MCGRAW	Do Mitochondrial Mutations Affect Population Viability?: The Effect Of Mitochondrial DNA Mutations On Sperm Function. <b>GEMMELL, NEIL J</b> , VICTORIA J METCALF, PATRICE C ROSENGRAVE, FELICITY C JONES, FRED W ALLENDORF

MONDAY June 26th	Development and Evolution SAC 302	Ecology and Evolution of Disease Wang 401	Life History Evolution SAC 305
8:30	Applied Evo-Devo: Engineering A Developmental Mutant For Biocontrol <b>LOMMEN, SUZANNE T</b> , SUZANNE V SAENKO, PAUL M BRAKEFIELD, TOSCA KOEVOETS, PETER W DE JONG	Trees In Space: Using Google Earth Mashups To Examine H5N1 Influenza Emergence <b>HILL, ANDREW</b> , DANIEL JANIES, ERIC WALTARI, ROBERT GURALNICK, SUSAN PERKINS	Evolution Of Placentas In The Fish Family Poeciliidae: Comparative Analyses In The Genus <i>Poeciliopsis</i> <b>PIRES, MARCELO N</b> , DAVID N REZNICK, THEODORE GARLAND JR
8:45	Evolvability, Development And Diversity Of Butterfly Color Patterns <b>ALLEN, CERISSE E</b>	Genomic Study Of The Emergence Of Seasonal Influenza Viruses In 2004-05 And Visualization Of The Geographic Spread Of Influenza <b>JANIES, DANIEL A</b> , DIEGO POL, DAVID SPIRO, ELODIE GHEDIN	Stream Habitat Predicts Reproductive Superfecundation In The Livebearing Fish <i>Poeciliopsis turrubarensis</i> <b>JOHNSON, JERALD B</b> , JOSE JAIME Z VEGA
9:00	Gene Expression In Artificial Selection Lines Of <i>Drosophila melanogaster</i> <b>MEZEY, JASON G</b> , ASHLEY CARTER, DAVID HOULE, SERGEY V NUZHIDIN	Hepatitis B Virus: Adaptive Evolution Of Immune Recognition And Evasion <b>WESTOVER, KRISTI M</b> , AUSTIN L HUGHES	The Genetic Control Of Offspring Size In A Matrotrophic Fish And Its Implications For Parent-Offspring Conflict <b>SCHRADER, MATTHEW</b>
9:15	When Ontogeny Reveals What Phylogeny Hides: Gain And Loss Of Horns During Development And Evolution Of Horned Beetles <b>MOCZEK, ARMIN P</b> , TAMI E CRUICKSHANK, J A SHELBY	Optimal Timing For Antiretroviral Therapies: Effects Of Viral Fitness And Target Cell Dynamics On The Suppression Of Drug Resistant HIV-1 <b>MITTLER, JOHN E</b> , SHYAMALA IYER, MARCEL CURLIN	Rapid Evolution Of Multiple Life-History Traits In An Alaskan Population Of Threespine Stickleback <b>BAKER, JOHN A</b> , DAVID C HEINS, SUSAN A FOSTER
9:30	Morphological Evolution And Developmental Genetics Of The Adult Antenna In <i>Tribolium</i> Flour Beetles <b>ANGELINI, DAVID R</b> , ELIZABETH L JOCKUSCH	How Evolution Can Advance Medicine: Defense Regulation As A Case Study <b>NESSE, RANDOLPH M</b>	Telomeres And The Evolutionary Theory Of Ageing <b>JEMIELITY, STEPHANIE</b> , MASAYUKI KIMURA, KAREN M PARKER, JOEL D PARKER, ABRAHAM AVIV, LAURENT KELLER
9:45	Winging It: Techniques To Test Gene Function In Butterfly Wing Pattern Development <b>RAMOS, DIANE</b> , FIRDOUS KAMAL, ANTONIA MONTEIRO	Comparative Phylogenetic Analysis Of Genome Sequences In The Viral Order Mononegavirales <b>LEDBETTER, KRISTEN A</b> , KRISTI M WESTOVER	Correlated Evolution Of Genome Size And Fitness Traits In Zooplankton (Crustacea: Copepoda) <b>WYNGAARD, GRACE A</b> , ELLEN M RASCH

MONDAY June 26th	Speciation SAC 306	Systematics Wang Lecture Hall 1	
8:30	The Implications Of Discordant Divergence Times Among Z Chromosome Regions Between Two Swallowtail Butterfly Species <b>PUTNAM, ANDREA, MARK</b> SCRIBER, PETER ANDOLFATTO	A Global 5 Gene Phylogeny Of <i>Ficus</i> : Problems And Prospects. <b>RONSTED, NINA, GEORGE D</b> WEIBLEN, VINCENT SAVOLAINEN	
8:45	Intraspecific Variation For A Hybrid Incompatibility Between Two Species Of <i>Mimulus</i> <b>SWEIGART, ANDREA L, JOHN</b> H WILLIS	Phylogeny Of The Enigmatic Night Lizards: Using Trees To Address Evolutionary Questions At Multiple Levels <b>PRAMUK, JENNIFER B, ROBERT L</b> BEZY, JACQUES L GAUTHIER, JESSICA A MAISANO, KEVIN DE QUEIROZ, JACK W SITES JR	
9:00	Signatures Of Reproductive Isolation In Genomic Patterns Of Variation Across Inbred Mouse Strains <b>PAYSEUR, BRET A, MICHAEL</b> PLACE	A Phylogeny Of Extant And Fossil Spiny-Rayed Fishes (Acanthomorpha, Teleostei) Based On A Large Morphological Dataset <b>SANTINI, FRANCESCO</b>	
9:15	Hierarchical Genetic Variation At A Species Boundary In <i>Lupinus microcarpus</i> (Leguminosae): Implications For The Genetic Delimitation Of Species <b>DRUMMOND, CHRISTOPHER S,</b> MATTHEW B HAMILTON	Phylogenetic Analyses Of The <i>Medusozoa</i> (Cnidaria): Effects Of Sensitivity Analyses And Different Molecular Markers <b>MARQUES, ANTONIO C,</b> MAXIMILIANO M MARONNA, ALLEN G COLLINS, ALVARO ESTEVES MIGOTTO, PAULYN CARTWRIGHT	
9:30	Biochemical, Genetic, And In Vivo Characterization Of A Protein Conferring Population-Specific Mate Recognition In The Cyclical Parthenogens <i>Brachionu</i> <b>MARK WELCH, DAVID B, TERRY W</b> SNELL, CLAUD-PETER STELZER	Diversification And Host Use Evolution Of Jewel Beetles (Coleoptera: Buprestidae) <b>EVANS, AMANDA M, BRIAN D</b> FARRELL	
9:45	Sympatric Evolution Of Temporal Reproductive Isolation In Marine Broadcast Spawners <b>TOMAIUOLO, MAURIZIO,</b> THOMAS F HANSEN, DON R LEVITAN	Ecological And Evolutionary Radiation Of Neotropical <i>Cephaloleia</i> Beetles (Chrysomelidae: Cassidinae) <b>MCKENNA, DUANE D, BRIAN</b> D FARRELL	

MONDAY June 26th	SSE Education Committee Symposium SAC Auditorium	JEB/ESEB: <i>Integrative Studies of Evolutionary Processes</i> Wang Theatre	Adaptation Wang Lecture Hall 2
10:30	<p style="text-align: center;"><b>SSE Education Committee Symposium</b>  <i>Intelligent Design on Trial: Lessons from the            Kitzmiller v. Dover Creationism Case</i>  <b>See pages 22-23</b></p>	Long-term evolution in ecologically-variable space <b>BEN SHELDON</b>	Functional Redundancy Enables Morphological And Ecological Versatility In Shrews <b>YOUNG, REBECCA L,</b> ALEXANDER V BADYAEV
10:45			Adaptive Walks Towards A Moving Optimum <b>COLLINS, SINEAD,</b> CLAUDIA ACQUISTI
11:00		Developmental control and evolution of body size <b>FRED NIJHOUT</b>	A Sheep In Wolf's Clothing Revisited: Evolution Of Jumping Spider Mimicry In Moths <b>ROTA, JADRANKA</b>
11:15			Resource Limitation Affects Clonal Interference in Bacteriophage phiX174 <b>PEPIN, KIM,</b> HOLLY WICHMAN
11:30		Assessing invasiveness: genetic and phenotypic variation in an invasive species <b>LEENA LINDSTROM</b>	Testing Range Limit Theory With A Reciprocal Transplant Experiment: No Evidence Of Local Adaptation At A Species Range Margin <b>SAMIS, KAREN E,</b> CHRISTOPHER G ECKERT
11:45			Divergent Selection Predicts Micro- And Macroevolutionary Phenotypic Divergence In A Genus Of Livebearing Fish <b>LANGERHANS, RANDALL B</b>



MONDAY June 26th	Behavior/Social Evolution Wang 201	Comparative Biology SAC 303	Conservation Biology SAC 304
10:30	Courtship Song Evolution Of The Oriental <i>Drosophila melanogaster</i> Species Group <b>YEH, SHU-DAN, JENNIFER GLEASON, JOHN R TRUE</b>	Decoupled Morphological And Mechanical Diversity In The Suction Feeding Mechanism Of Centrarchid Fishes <b>COLLAR, DAVID C</b>	Knowledge Used For Conservation; The Life History And Population Genetics Of The Wekiu Bug ( <i>Nysius wekiuicola</i> ) <b>EIBEN, JESSE, DANIEL RUBINOFF</b>
10:45	Dual Status Signaling And The Evolution Of Alternative Male Strategies <b>MILES, DONALD B</b>	Rates Of Evolution Of Climate Parameters In Desert Evening Primroses ( <i>Oenothera</i> , Onagraceae) <b>EVANS, MARGARET, STEPHEN SMITH, MICHAEL DONOGHUE</b>	When Morphometrics And Genetics Tell Different Stories: The Endangered Malagasy Radiated Tortoise ( <i>Geochelone radiata</i> ) <b>RIOUX PAQUETTE, SEBASTIEN, FRANCOIS-JOSEPH LAPOINTE</b>
11:00	Parent-Of-Origin Effects, Early Experience And Reproductive Success In Mice <b>HAGER, REINMAR</b>	Multifunctionality And Mechanical Origins: Ballistic Jaw Propulsion In Trap-Jaw Ants <b>PATEK, SHEILA, JOE BAIO, BRIAN FISHER, ANDREW SUAREZ</b>	Evolution Of Small Felids Populations In The High Andes <b>COSSIOS, DANIEL, BERNARD ANGERS</b>
11:15	Risky Business: What An Apparent Sex Role Reversal Might Tell Us About Cicada Mating Systems <b>COOLEY, JOHN</b>	The Evolution Of Trade-Offs In Emydid Turtle Locomotor Performance <b>STEPHENS, PATRICK R, JOHN J WIENS</b>	Social Conflict And Extinction Risk In An Endangered Species: The Seychelles Magpie Robin <b>LOPEZ-SEPULCRE, ANDRES, KEN NORRIS, HANNA KOKKO</b>
11:30	Extreme Reproductive Specialization Among Nestmate Queens In The Ant <i>Formica exsecta</i> <b>KUEMMERLI, ROLF, LAURENT KELLER</b>	The Long-Lived Nymphs Of Ephemeral Insects: Investigating Abdominal Gill Evolution In Leptophlebiid Mayflies In A Molecular Phylogenetic Context <b>O'DONNELL, BRIGID C</b>	Buffering The Effects Of Bottlenecks: Insights From The Demographic History Of The Nile Crocodile <i>Crocodylus niloticus</i> In The Okavango Delta <b>BISHOP, JACQUELINE M, ALISON J LESLIE, COLLEEN O'RYAN</b>
11:45	Discrimination Of Morph-Specific Songs In A Population Of Darwin's Finches <b>PODOS, JEFF</b>	Gender-Associated MtDNA Phylogenetics And The Evolution Of Mantle Lures In Amblemine Bivalves (Unionoidea: Ambleminae) <b>WALKER, JENNIFER M, ERIC G CHAPMAN, ARTHUR E BOGAN, DAVID CAMPBELL, AL CHRISTIAN, JASON CUROLE, MICHAEL DAVIS, JOHN HARRIS, MARK HOVE, BERNARD SIETMAN, G THOMAS WATTERS, WALTER R HOEH</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

MONDAY June 26th	Development and Evolution SAC 302	Ecology and Evolution of Disease Wang 401	Life History Evolution SAC 305
10:30	Focusing On Diversification: A Phylogenetic Approach To Understanding The Evolution Of Floral Form In <i>Zingiberales</i> <b>SPECHT, CHELSEA</b>	Local Adaptation In A Salamander-Virus System <b>STORFER, ANDREW</b>	Mortality Risk Shapes Growth Rate And Reproductive Allocation In A Livebearing Fish: Insights From A Genetic Algorithm Model <b>KINDSVATER, HOLLY K, COLETTE M ST. MARY</b>
10:45	Connecting The Sun To Flowering In Sunflower Development And Evolution <b>BLACKMAN, BENJAMIN K, SCOTT D MICHAELS, LOREN H RIESEBERG</b>	Recent Spread Of A Vertically Transmitted Virus Through Populations Of <i>Drosophila melanogaster</i> . <b>CARPENTER, JENNIFER</b>	Differential Survival And Adaptation In Gall Maintenance For Two Host- Races Of <i>Gnorimoschema gallaesolidaginis</i> (Lepidoptera: Gelechiidae). <b>COX, GRAHAM H, STEPHEN HEARD</b>
11:00	Evolution Of Floral Symmetry Genes (Including Cycloidea): Gene Duplications And Diversifying Expression <b>HOWARTH, DIANELLA G, MICHAEL J DONOGHUE</b>	Cheating And Cooperative Restraint In Bacterial Plasmids <b>SMITH, JEFF</b>	Costs Of Immunity In The Egyptian Cotton Leafworm <b>COTTER, SHEENA, STEPHEN SIMPSON, KENNETH W WILSON</b>
11:15	Conservation And Divergence In The Genetic Control Of Flowering Time In The Basal Eudicot <i>Aquilegia formosa</i> <b>BALLERINI, EVANGELINE S, ELENA KRAMER</b>	Interactions Between The 'Parasite's Previous And Current Environment Mediate The Outcome Of Parasite Infection. <b>TSENG, MICHELLE</b>	Sexuality And Temperature Modify The Genetic Architecture Of Life Histories Traits In The Cyclic Parthenogenetic Aphid <i>Rhopalosiphum padi</i> <b>NESPOLO, ROBERTO, C C FIGUEROA, M PLANTEGENEST, J C SIMON</b>
11:30	Developmental Integration And Genetic Covariance Structure Of Geometric Shape <b>KLINGENBERG, CHRISTIAN P</b>	Healthy Ecosystems Are Good For Your Health <b>DIZNEY, LAURIE J, LUIS A RUEDAS</b>	Natural Genetic Variation In Age-Specific Immune Response In <i>Drosophila melanogaster</i> <b>LESSER, KAREN J, IOANA PAIUSI, JEFFERY LEIPS</b>
11:45	Hox Genes Are Not Clustered In The Bdelloid Rotifer <i>Philodina roseola</i> : Evidence From Fish And Sequencing Of Genomic Cosmids <b>MARK WELCH, JESSICA L</b>	Genotype-By-Environment Interactions In Antibiotic Resistance: Rifampin And <i>E.coli</i> <b>LONG, CLARA D, BRENDAN J BOHANNAN</b>	Long Live Butterflies! Evolutionary Genetics Of Ageing In <i>Bicyclus anynana</i> <b>PIJPE, JEROEN, NICOLIE PUL, PAUL M BRAKEFIELD, BAS J ZWAAN</b>

MONDAY June 26th	Speciation SAC 306	Systematics Wang Lecture Hall 1
10:30	All Darwin's Finches Are Different, But Some Are More Different Than Others: Evidence For Sympatric Divergence In <i>Geospiza fortis</i> <b>DE LEÓN REYNA, LUIS F</b> , ANDREW HENDRY, ELDREDGE BIRMINGHAM, JEFF PODOS	Assembling The Avian Tree Of Life: Evaluating Signal And Conflict In A 19 Gene Dataset <b>REDDY, SUSHMA</b> , SHANNON HACKETT, REBECCA KIMBALL, ET AL.
10:45	Geographic Structure Of Animal Hybrid Speciation In The <i>Lonicera</i> Fly <b>SCHWARZ, DIETMAR</b> , BRUCE A MCPHERON	Phylogenetic Studies On New Zealand Stick Insects <b>BUCKLEY, THOMAS</b>
11:00	Hybrid Butterfly Species On Sky Islands <b>GOMPERT, ZACH</b> , JAMES A FORDYCE, CHRIS C NICE	Phylogeny Of The Fish Leeches (Oligochaeta, Hirudinida, Piscicolidae) Based On Nuclear And Mitochondrial Genes And Morphology <b>WILLIAMS, JULIANNE I</b> , EUGENE M BURRESON
11:15	Agent-Based Models Of Hybrid Zone Dynamics, Reinforcement And Speciation <b>SADEDIN, SUZANNE</b>	The Origin And Evolution Of Columbiformes (Aves) Based On Mitochondrial And Nuclear DNA Sequences <b>PEREIRA, SERGIO L</b> , KEVIN P JOHNSON, DALE H CALYTON, ALLAN J BAKER
11:30	Hybrid Speciation, Transposable Elements, And Genome Evolution In Wild Sunflowers <b>UNGERER, MARK</b> , SUZANNE STRAKOSH, YING ZHEN	Little Green Doilies And Water Nets: Phylogenetic Relationships And Geographic Distribution Within The Freshwater Green Algal Family Hydrodictyceae <b>MCMANUS, HILARY A</b> , LOUISE A LEWIS
11:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Phylogeny, Biogeography And Trends Of Ecomorph Evolution Within Mantodea <b>SVENSON, GAVIN J</b> , MICHAEL WHITING

MONDAY June 26th	SSE Education Committee Symposium SAC Auditorium	JEB/ESEB: <i>Integrative Studies of Evolutionary Processes</i> Wang Theatre	Adaptation Wang Lecture Hall 2
1:30	<p style="text-align: center;"><b>SSE Education Committee Symposium</b>  <i>Intelligent Design on Trial: Lessons from the            Kitzmiller v. Dover Creationism Case</i>  <b>See pages 22-23</b></p>	Adaptive evolution of <i>Arabidopsis thaliana</i> in natural seasonal environments <b>ANNIE SCHMITT</b>	Developmental Temperature Drives Growth Rate Divergence In Sympatric Grayling Demes <b>KAVANAGH, KATHRYN,</b> THROND O HAUGEN
1:45			The Geography Of Adaptive Radiation: Gene Flow And Natural Selection Acting On Threespine Stickleback In An Alaskan Lake/Stream System <b>AGUIRRE, WINDSOR E</b>
2:00		The evolution of specialization and speciation: models and data <b>ISABELLE OLIVIERI</b>	Ecological Adaptation In The Wild Tomatoes <b>NAKAZATO, TAKUYA, LEONIE</b> C MOYLE
2:15			From Genes To Ecology: Mate Choice And The Genetics Of Color Variation In Recently Diverged Lizard Populations At White Sands <b>ROSENBLUM, ERICA B</b>
2:30		<p style="text-align: center;"><i>No talk currently            scheduled in            this time slot</i></p> <p style="text-align: center;"><i>Check addendum</i></p>	Evolution Of Maternal Effects: From Environmental Induction To Genetic Accommodation <b>BADYAEV, ALEX</b>
2:45			Maternal Effects And Genetic Adaptation In An Intertidal Alga <b>HAYS, CYNTHIA</b>

MONDAY June 26th	Behavior/Social Evolution Wang 201	Development and Evolution SAC 302	Ecology and Evolution of Disease Wang 401
1:30	Fitness Consequences Of Group Living And Dispersal In The Social Spider <i>Anelosimus guacamayos</i> <b>SALAZAR, PATRICIO A</b> , LETICIA AVILÉS, GABRIEL ITURRALDE	Intra- And Interspecific Patterns Of Morphological Integration In A Clade Of Sigmodontine Rodents <b>MARQUEZ, ELADIO J</b>	Resolving The Importance Of Within- And Between-Host Selection Pressures On Pathogen Evolution COOMBS, DANIEL, COLLEEN L BALL, <b>MICHAEL A GILCHRIST</b>
1:45	Swim Speed And Endurance In Larval Anurans <b>RICHARDSON, JEAN</b>	Gene Co-Option Without Duplication During The Evolution Of A Male Pregnancy Gene In Pipefish <b>HARLIN-COGNATO, APRIL D</b> , ERIC A HOFFMAN, ADAM G JONES	Microbes Invade By Changing The Game: Revisiting Host-Parasite Interactions <b>BROWN, SAM</b> , LUDOVIC LE CHAT, MARIANNE DE PAEPE, FRANCOIS TADDEI
2:00	The Coadaptation Of Parental Supply And Offspring Demand <b>KOELLIKER, MATHIAS</b> , EDMUND D BRODIE III, ALLEN J MOORE	Patterns And Frequencies Of Mobile DNA Element Insertions Within And Flanking Hox Clusters Of Different Chordate Lineages <b>RAINCROW, JEREMY</b> , LI-ZHI GAO, CHI-HUA CHIU	Investigating Hematozoan Relationships And Host-Parasite Landscape Dynamics In The Red-Billed <i>Quelea</i> <b>DURRANT, KATE</b> , JENNIFER REED, PETER JONES, MARTIN DALLIMER, ROBERT CHEKE, ROBERT FLEISCHER
2:15	Going Through The Motions: A Vestigial Behavior In An Insect <b>RAKITOV, ROMAN</b>	Endocrine Evolution And Morphological Heterochronies In Desert Frogs <b>BUCHHOLZ, DANIEL R</b>	Old Age And Phage: Parasite Transmission Strategy Is Age-Specific In Senescent Bacteria <b>KYSELA, DAVID T</b> , PAUL E TURNER
2:30	A Comparative Study Of The Evolution Of Complexity In Volvocine Algae <b>HERRON, MATTHEW D</b> , RICHARD E MICHOD	Hierarchical Phylogenetics As A Quantitative Analytical Framework For Evolutionary Developmental Biology <b>SERB, JEANNE M</b> , TODD H OAKLEY	Fitness Costs Of Immune Function In <i>Drosophila melanogaster</i> <b>McKEAN, KURT A</b> , CHRIS YOUTH, ANDREW CLARK
2:45	Inbreeding Avoidance In Wild African Elephants <b>ARCHIE, ELIZABETH</b> , JULIE HOLLISTER-SMITH, CYNTHIA MOSS, SUSAN ALBERTS	First-Born Control Of Sequential Organogenesis In Mouse Molars: Evolutionary Implications <b>KAVANAGH, KATHRYN D</b> , JUKKA JERNVALL	Canine Transmissible Cancer: Ecology Of A Selfish Cell Lineage <b>REBBECK, CLARE A</b> , AUSTIN BURT

MONDAY June 26th	Evolution of Sex SAC 303	Speciation SAC 306	Species Interactions SAC 305
1:30	The Human Sex Ratio At The Eight-Cell Stage Of Life <b>ORZACK, STEVEN</b> , BILL STUBBLEFIELD, JIM ZUCKERMAN, DAVID STEINSALTZ, SANTIAGO MUNNE	Breakdown In Mitochondrial Regulation In Interpopulation Hybrids Of <i>Tigriopus californicus</i> <b>ELLISON, CHRISTOPHER K</b> , RONALD S BURTON	Evolution Of Aposematism Under Variable Selection <b>MAPPES, JOHANNA</b>
1:45	A Test Of The Benefits Of Sexual Recombination By Analysis Of Protein Evolution In Yeast <b>CONNALLON, TIM</b> , LACEY KNOWLES	Genic Incompatibilities, Hybrid Breakdown, And Ets Proteins In Hybrid Copepods <b>WILLETT, CHRISTOPHER S</b>	Effect Of Phage In Microbial Communities: Complexity Contradicts Early Studies <b>HARCOMBE, WILLIAM</b>
2:00	Sex For A Noisy World <b>BLACHFORD, ALISTAIR</b>	History And Evolution Within A Rainforest Suture Zone <b>MORITZ, CRAIG</b> , CATHERINE GRAHAM, CONRAD HOSKIN, JASON MCKENZIE, MARIA TONIONI, BEN PHILLIPS	Evolutionary Box Canyons In The Sonoran Desert: Figs, Pollinators, Parasites, And Geographic Variation In Mutualism Fitness <b>NASON, JOHN</b> , JOHN STIREMAN
2:15	Similarity Selection And The Evolution Of Sex: Revisiting The Red Queen <b>AGRAWAL, ANEIL F</b>	The Role Of Ecology In The Speciation And Divergence Of Birds <b>PHILLIMORE, ALBERT</b> , IAN OWENS	Multiple Floral Syndrome Switches And Population-Level Variation Of Floral Traits In Andean Cacti Inferred From Field Observations And Molecular Data <b>SCHLUMBERGER, BORIS O</b> , SUSANNE S RENNER
2:30	Epistasis In Flies, Phage, And Fake Organisms: What Are The Causes Of Synergistic Epistasis? <b>BURCH, CHRISTINA L</b>	Inferring Patterns Of Independent Evolution And Natural Selection Within Clades <b>BARRACLOUGH, TIMOTHY G</b>	Growth-Defense Tradeoffs Differ By Gender In <i>Populus tremuloides</i> <b>STEVENS, MICHAEL T</b> , RICHARD L LINDROTH
2:45	Use It Or Lose It: Decay Of Sexual Function To Estimate Deleterious Mutation Rates In Natural Populations Of <i>Populus tremuloides</i> <b>ALLY, DILARA</b> , SALLY OTTO, KERMIT RITLAND	Do Chromosomal Rearrangements Promote Speciation In <i>Agrodiaetus</i> Butterflies? <b>KANDUL, NIKOLAI P</b> , VLADIMIR A LUKHTANOV, NAOMI E PIERCE	Host Defense Facilitates The Coexistence Of Competing Parasite Species <b>BUSH, SARAH E</b> , JAELE R MALENKE, DALE H CLAYTON

MONDAY June 26th	<b>Systematics</b> Wang Lecture Hall 1	
1:30	Systematics And Biogeography Of Bloodfeeding Terrestrial Leeches (Oligochaeta: Hirudinida: Arhynchobdellida) <b>BORDA, ELIZABETH</b>	
1:45	Polyphyly On The Rocks: Systematics Of Endomyarian Sea Anemones (Cnidaria: Actiniaria) <b>DALY, MARYMEGAN</b>	
2:00	The Impact Of Different Alignments On Squid Phylogenetics <b>LINDGREN, ANNIE R, MEG DALY</b>	
2:15	Evolution Of Seed Dispersal Mechanisms In Geranium <b>ERIKSSON, TORSTEN, MIRJAM ZOUBIR, KJELL BOLMGREN</b>	
2:30	An Exemplar Phylogenetic Approach To Evaluating Higher-Level Classification Problems In Cyanogenic Xystodesmid Millipedes In Appalachia <b>MAREK, PAUL E, JASON E BOND</b>	
2:45	What Can We Learn From A Multi-Locus Nuclear Phylogeny Of Subgenus <i>Pinus</i> ( <i>Pinus</i> L., Pinaceae)? <b>WILLYARD, ANN, AARON LISTON, RICHARD CRONN</b>	

MONDAY June 26th	SSE Education Committee Symposium SAC Auditorium	Adaptation Wang Lecture Hall 2	Development and Evolution SAC 302
3:30	<p style="text-align: center;"><b>SSE Education Committee Symposium</b>  <b>Intelligent Design on Trial: Lessons from the</b>  <b>Kitzmiller v. Dover Creationism Case</b>  <b>See pages 22-23</b></p>	Local Adaptation Differentiates Haplotypes Of A Feather-Feeding Louse: Incipient Speciation? <b>MALENKE, JAEEL R,</b> KEVIN P JOHNSON, DALE H CLAYTON	Connecting Genetic And Phenotypic Variation In Wild <i>C. elegans</i> <b>ROCKMAN, MATTHEW,</b> LEONID KRUGLYAK
3:45		Genetics Of Adaption Of Wild Rice ( <i>Oryza</i> ) <b>GRILLO, MICHAEL A,</b> DOUGLAS W SCHEMSKE, TAO SANG, CHANGBOA LI	Heritability Of Fluctuating Asymmetry Estimated From Artificial Selection In <i>Drosophila</i> <b>CARTER, ASHLEY J,</b> DAVID HOULE, THOMAS F HANSEN
4:00		Interpopulation Variation In Flower Size: Is It Local Adaptation? <b>ELLE, ELIZABETH</b>	Parallelism In Dwarf Salamanders Genus <i>Eurycea</i> <b>BEAMER, DAVID A,</b> TRIP LAMB
4:15		A Role For Temperature In The Evolution Of Floral Design <b>LACEY, ELIZABETH P</b>	Growth, Sexual Dimorphism, And Geographic Variation: Using Bootstrapping To Study Multivariate Growth Trajectories In The Rodent <i>Heteromys</i> <i>anomalus</i> <b>ANDERSON, ROBERT P,</b> NORMAN A SLADE
4:30		Effect Of Environment On Female Multiple Mating In The Red Flour Beetle <b>PAI, ADITI,</b> JEET PATERL, DEREK REFORMAT, GUIYUN YAN	<p style="text-align: center;"><b>No talk currently scheduled in this time slot</b></p> <p style="text-align: center;"><b>Check addendum</b></p>
4:45		Multiple Learning Strategies And Forebrain And Optic Lobe Variation In Ecologically Contrasting Populations Of Alaskan Threespine Stickleback <b>PARK, PETER J</b>	<p style="text-align: center;"><b>No talk currently scheduled in this time slot</b></p> <p style="text-align: center;"><b>Check addendum</b></p>



MONDAY June 26th	Ecology and Evolution of Disease Wang 401	Evolution of Sex SAC 303	Speciation SAC 306
3:30	Increased Rate Of Mobilization From Chromosomes To Plasmids For Some Antibiotic Resistance Genes <b>BARLOW, MIRIAM, REBECCA REIK, MONICA MEDINA, JOHN E MCGOWAN JR, FRED C TENOVER</b>	Maintainance Of Genetic Variability In Asexual Moths <b>GRAPPUTO, ALESSANDRO, JOHANNA MAPPES</b>	Ongoing Adaptive Radiation In Darwin's Finches: Does Disruptive Selection Maintain Beak Size Bimodality? <b>HENDRY, ANDREW, JEFFREY PODOS, SARAH HUBER, LUIS DELEON, ANTHONY HERREL</b>
3:45	The Determinants Of Antibiotic Resistance Phenotypes In <i>Enterococcus</i> : Possible Evidence For Equilibrium And Non-Equilibrium States <b>FELDGARDEN, MICHAEL, ELVIRA HALL-ROBINSON, SUSANNAH HUBERT, PATRICK McDERMOTT, DAVID G. WHITE</b>	Attack Of The Clam Clones! The Infectious Spread Of Parasitic Male Asexuality <b>HEDTKE, SHANNON M, DAVID M HILLIS</b>	Rapid Genetic And Phenotypic Divergence Of Sockeye Salmon In A Volcanic Lake <b>PAVEY, SCOTT A, TROY R HAMON, FELIX BREDEEN</b>
4:00	The Genetics Of Spatial And Demographic Expansion In A Rabies Virus Epidemic <b>BIEK, ROMAN, JENNIFER C HENDERSON, CHARLES E RUPPRECHT, LESLIE A REAL</b>	Mutation Accumulation In Space And The Maintenance Of Sexual Reproduction <b>SALATHE, MARCEL, RAHEL SALATHE, PAUL SCHMID-HEMPEL, SEBASTIAN BONHOEFFER</b>	Introgression Between Nightingale And Thrush Nightingale In Europe; Patterns Of Polymorphisms On The Z-Chromosome And Autosomes In A Hybrid Zone <b>RUENESS, ELI K, GLENN-PETER SÊTRE</b>
4:15	Multiple Infections In The <i>Daphnia-Pasteuria</i> System <b>BEN-AMI, FRIDA, DIETER EBERT</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Landscapes, Divergent Adaptations, And The Genetics Of Ecological Reproductive Isolation In The Yellow Monkey Flower ( <i>Mimulus guttatus</i> ) <b>LOWRY, DAVID B, JOHN H WILLIS</b>
4:30	Prediction Of HIV-1 Protease Activity Using Pairwise All-Atom Molecular Distance Function <b>MITTLER, JOHN E, RAM SAMUDRALA</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	DNA-barcodes and discovering reproductively isolated animal species <b>HICKERSON, MIKE, CHRIS MEYER, CRAIG MORITZ</b>
4:45	Bacteriophage Life History Evolution: Expectations, Tradeoffs <b>ABEDON, STEPHEN T</b>	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Male Fertilty Costs Of Female Meiotic Drive In <i>Mimulus</i> (Monkeyflowers) <b>FISHMAN, LILA</b>

MONDAY June 26th	Species Interactions SAC 305	Systematics Wang Lecture Hall 1
3:30	Predators Versus Parasites: A Consumer-Resource Distinction? GINZBURG, LEV R, <b>CHRISTOPHER X J JENSEN</b> , ROBERTA L HARNETT	A Fig By Any Other Name Would Smell Just As Sweet: A Study Of Phylogeny And Floral Volatile Mimicry Of Figs And Close Relatives (Moraceae) <b>CLEMENT, WENDY L</b> , GEORGE D WEIBLEN
3:45	Surprising Effects Of Species Interactions On Extinction Times In A Changing Environment <b>JONES, ADAM G</b>	Accuracy Of Tree-, Network- And Distance-Based Species Delineation Based On Sets Of DNA Barcodes <b>VERBRUGGEN, HEROEN</b>
4:00	Overlapping Ecological Niches May Promote A Radical Shift In Fungal Host Range <b>MARCELINO, JOSE A</b> , ROSANNA GIORDANO, SVETLANA GOULI, BRUCE L PARKER	Phylogeny And Classification Of Phrymaceae And The Genus <i>Mimulus</i> <b>BEARDSLEY, PAUL M</b>
4:15	Diversification Rates, Host Plant Use, And Character Evolution In The Orchid Bees <b>RAMÍREZ, SANTIAGO</b>	Reconstructing The Histories Of Eusociality: How Young Are Social Sweat Bees, And How Old Are Ants? <b>BRADY, SEN G</b> , PHILIP S WARD, BRYAN N DANFORTH, SEDONIA SIPES, ADAM PEARSON, BRIAN FISHER, TED R SCHULTZ
4:30	Sense in Sensitivity: The Evolution of Chemosensory Behavior in Entomonecromenic Nematodes <i>Pristionchus</i> <b>HONG, RAY L</b> , RALF J SOMMER	Genome-Wide Variation In The Grass, <i>Tripsacum</i> : Heartbreaker Transposable Elements <b>COSTICH, DENISE E</b> , BERNARD E PFEIL, ALEXANDRA M CASA, SUKETOSHI TABA, EDWARD S BUCKLER, JEFFREY J DOYLE
4:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Molecular Systematics Of The Old Endemic Rodent Fauna (Muroidea: Murinae) Of New Guinea And Australia (Sahul) <b>ROWE, KEVIN C</b> , RON M ADKINS, SCOTT J STEPPAN, DANIEL M RICHMOND, MICHAEL L. RENO, PHILIP Q SPINKS

TUESDAY June 27th	ASN: Young Investigators Prize Wang Theatre	Behavior/Social Evolution Wang 201	Bioinformatics/ Phyloinformatics SAC 302
8:30	The evolution of genomes at large <b>RYAN GREGORY</b> (8:40)	Group Living Benefits Growth Under Stress In Bacteria <b>PEITZ, HANSRAINER,</b> GREGORY J VELICER	Identification Of Novel Genes With Overlapping Reading Frames In The Human Genome <b>CHUNG, WEN-YU,</b> SAMIR WADHAWAN, RADEK SZKLARCZYK, ANTON NEKRUTENKO
8:45		Evolution Of Fecal Shields In Tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae) <b>CHABOO, CAROLINE S</b>	Deciphering Microsatellite Mutation Mechanisms In Humans Using Comparative Sequence Analysis <b>KELKAR, YOGESHWAR,</b> KATERYNA MAKOVA
9:00		Predation Regime Effects On Boldness Of Guppies: Field And Laboratory Tests <b>BURNS, JAMES G,</b> ANNA PRICE, JAMES D THOMSON, HELEN RODD	Evolution Of Sex Linked Genes Versus Their Autosomal Counterparts: A Comparison Between Human, Mouse And Opossum <b>WILSON, MELISSA A,</b> KATERYNA MAKOVA
9:15	Unresolved Questions in the Ecology of Speciation <b>PATRIK NOSIL</b> (9:20)	Multiple Adaptive Effects Of Natal Experience On Habitat And Host Use <b>DAVIS, JEREMY M,</b> JUDY A STAMPS	The Perils Of Dating Eve: Time-Dependency In Human MtDNA Rate Estimates <b>ATKINSON, QUENTIN D,</b> ALEXEI J DRUMMOND, RUSSELL D GRAY
9:30		Behavioral Fever In <i>Drosophila</i> : Does It Exist? <b>LINDER, JODELL E,</b> KATHARINE OWERS, DANIEL PROMISLOW	Galaxy: A Platform For Interactive Large-Scale Evolutionary Genomics <b>BLANKENBERG, DANIEL J,</b> JAMES TAYLOR, IAN SCHENCK, YI ZHANG, JIANBIN HE, ISTVAN ALBERT, ROSS HARDISON, WEBB MILLER, ANTON NEKRUTENKO
9:45		Evolution Of Camouflage Behaviors In The Decorator Crabs (Majoidea) <b>HULTGREN, KRISTIN M,</b> JOHN J STACHOWICZ	Cipres In Kepler: An Integrative Workflow Package For Streamlining Phylogenetic Data Analyses <b>GUAN, ZHIJIE,</b> ALEX BORCHERS, TIMOTHY MCPHILLIPS, SHIRLEY COHEN, MARK A. MILLER, ILKAY ALTINTAS

TUESDAY June 27th	Evolutionary Theory Wang 401	Hybridization Wang Lecture Hall 2	Invasive Species SAC 303
8:30	Density Regulation And The Evolution Of A Species Range: Stable And Meta-Stable Range Limits <b>FILIN, IDO</b>	Unidirectional Spread Of A Sexually-Selected Trait Across An Avian Hybrid Zone: A Role For Female Choice? <b>STEIN, ADAM C</b> , ALBERT C UY	Evaluation Of The Evolution Of Increased Competitive Ability Hypothesis In Goldenrod: Secondary Chemistry, Insect Bioassays, And Plant Performance <b>MEYER, GRETCHEN A</b> , HELEN HULL-SANDERS, ROBERT JOHNSON
8:45	Evolutionary Predictions Should Be Based On Mechanistic Models <b>RUEFFLER, CLAUS</b> , MARTIJN EGAS, HANS METZ	Interspecies Mating In Sympatric Species Of <i>Syngnathus</i> Pipefish <b>WILSON, ANTHONY B</b>	Inherited Latitudinal Variation In Cold Hardiness In Native <i>Populus</i> And Introduced <i>Tamarix</i> <b>FRIEDMAN, JONATHAN M</b> , JAMES E ROELLE, JULIE ROTH
9:00	Evolution Of Evolvability In A Simple Geometric Model Of Development <b>DRAGHI, JEREMY A</b> , GUNTER P WAGNER	Recombinant Hybrid Vigor In Tiger Salamanders <b>FITZPATRICK, BENJAMIN M</b>	The Power Of One: Global Invasion By Clonal Fountain Grass Defies The Odds Of Nature. <b>LE ROUX, JOHANNES J</b> , ANIA M WIECZOREK
9:15	Simulating The Evolution Of Metabolic Networks: Variable Environments, Robustness And Epistasis <b>PFEIFFER, THOMAS</b>	The Use Of Recombinant Markers Reveals Complex Demographic Scenarios In The Hybrid Zone Between Two Divergent Subspecies Of The Marbled Newt In Iberia <b>MOURA, ANDRE E</b> , RAQUEL GODINHO, JORGE ROCHA, NUNO FERRAND	Population Genetics Of The Invasive Knapweeds <i>Centaurea stoebe</i> Ssp. <i>micranthos</i> And <i>C. diffusa</i> (Asteraceae) In Their Native And Introduced Ranges <b>MARRS, ROBIN A</b> , RUTH A HUFBAUER, RENE SFORZA
9:30	Bet-Hedging As An Evolutionary Game: The Trade-Off Between Egg Size And Number <b>IVARSSON, HELEN</b> , JÖRGEN RIPA, NICLAS JONZEN	Disentangling Reticulate Evolution In The <i>Aleuritia</i> Polyploid Complex ( <i>Primula l.</i> ) <b>GUGGISBERG, ALESSIA</b> , GUILHEM MANSION, ELENA CONTI	Polyploidy In An Invasive Species: Can Ploidy Explain Secondary Chemical Levels? <b>HULL-SANDERS, HELEN M</b> , GRETCHEN A MEYER, ROBERT H JOHNSON
9:45	Resolving The Paradox Of Stasis: Models With Stabilizing Selection Explain Evolutionary Divergence On All Timescales <b>ARNOLD, STEVAN J</b> , SUZANNE ESTES	Parental Divergence, Hybrid Zones And Hybrid Speciation <b>CHAPMAN, MARK A</b> , JOHN M BURKE	Phylogeographic Origins Of An Invasive Species: A Role For Hybridization? <b>ROSENTHAL, DAVID M</b> , MITCHELL B CRUZAN, ALISA P RAMAKRISHNAN, TRIESTE DOBBERSTEIN

TUESDAY June 27th	Life History Evolution SAC 305	Speciation SAC 306	Systematics Wang Lecture Hall 1
8:30	Larval Morphological And Feeding Behavioral Adaptations In Response To Parallel Habitat Transitions In The Genus <i>Tetanocera</i> (Diptera: Sciomyzidae) <b>CHAPMAN, ERIC G</b> , BENJAMIN A FOOTE, WALTER R HOEH	Comparative Genome Scans In Ecologically Speciating Herbivore Populations <b>FUNK, DANIEL J</b> , SCOTT P EGAN, PATRIK NOSIL	Phylogeny Of <i>Armina</i> (Gastropoda: Nudibranchia: Arminidae) From The Atlantic And Eastern Pacific: Are The Morphological Characters Really Useful? <b>ARDILA, NESTOR E</b> , DIANA P BAEZ
8:45	Non-Homing And Regional Panmixia Of Sea Lamprey: Anadromy Meets Parasitism <b>WALDMAN, JOHN</b> , CHERYL GRUNWALD, ISAAC WIRGIN	Morphological Evidence Supports The Status Of The Extinct Sea Mink (Mammalia:Carnivora:Mustelidae) As A Separate Species <b>SEALFON, REBECCA A</b>	Contribution Of ARN Predicted Secondary Structures (ITS2) For The Systematics Of Gorgonian Corals. <b>SANCHEZ, JUAN ARMANDO</b> , CATALINA AGUILAR
9:00	Evolution Of Size Trajectories Under Long-And Short-Term Growth Costs <b>MUNCH, STEPHAN B</b>	Exploring Mechanisms Of Speciation Via Host Shift <b>ROVA, EMMA</b>	Using Ornstein-Uhlenbeck Models To Study Phylogenetic Patterns Of Chromosome Evolution In Sedges ( <i>Carex</i> : Cyperaceae) <b>HIPP, ANDREW L</b>
9:15	Age-Specific Survivorship And Life Expectancy From Stage-Based Models In Variable Environments <b>HORVITZ, CAROL C</b> , SHRIPAD TULJAPURKAR	Comparative Genomics Of Hybrid Incompatibility In Lycopersicon <b>MOYLE, LEONIE</b>	Phylogeny Estimation For A Rapid Radiation: Comparing AFLPs And Mitochondrial Sequences For Inferring Evolutionary Relationships Among Oceanic Dolphin <b>ROSEL, PATRICIA E</b> , SARAH E KINGSTON
9:30	Genotype-By-Environment Interactions Cause Variable Selection On Life-History Strategy In Common Evening Primrose ( <i>Oenothera biennis</i> ) <b>JOHNSON, MARC T</b>	The Genetics Of Hybrid Male Sterility In <i>Drosophila pseudoobscura</i> <b>CHANG, AUDREY</b> , MOHAMED NOOR	The Timing Of Diversification Of New Caledonian And New Zealand Geckos And Skinks <b>JACKMAN, TODD R</b> , SARAH A SMITH, AARON M BAUER
9:45	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>	Reproductive Isolation: A Misty Mystery In Lake/Stream Stickleback <b>RASANEN, KATJA</b> , MATTHIEU DELCOURT, LAUREN J CHAPMAN, ANDREW P HENDRY	Gene Trees And Species Phylogeny In <i>Melanoplus</i> Grasshoppers <b>CARSTENS, BRYAN C</b> , L L KNOWLES

TUESDAY June 27th	ASN: Young Investigators Prize Wang Theatre	Bioinformatics/ Phyloinformatics SAC 302	Evolutionary Theory Wang 401
10:30	Speciation in Killifish and the Role of Salt Tolerance <b>BECKY FULLER</b> (10:30)	Accuracy Improvement Of A Multiple Sequence Alignment Program MAFFT By Incorporating Homolog And Structural Information <b>KATOH, KAZUTAKA, KEI-ICHI</b> KUMA, TAKASHI MIYATA, HIROYUKI TOH	A Possible Solution To The Recombination Hotspot Paradox <b>UBEDA, FRANCISCO, MARCO</b> ARCHETTI
10:45		Jmodeltest: Selection Of Models Of Nucleotide Substitution <b>POSADA, DAVID</b>	Exploring The Role Of Developmental Bias In Evolution Through A Simulated Evo-Devo System. <b>PSUJEK, SEAN, RANDALL D</b> BEER
11:00		Finding Stuff In Treebase, Or "Dude, Where's My Tree?" <b>PAGE, RODERIC</b>	Heritability Under Intraspecific Competition And Stabilizing Selection On Quantitative Traits <b>ZHANG, XU-SHENG, WILLIAM</b> G HILL
11:15	Why environmental stress-consumer models are only 1/2 right: Lessons from climate-triggered runaway grazing in coastal ecosystems <b>BRIAN SILLIMAN</b> (11:10)	Inferring Phenotypic Evolution On Reconstructed Trees And Graphs: Hierarchical Bayesian LD Mapping <b>PLATT, ALEXANDER, JOHN T</b> MOLITOR	Non-Random Mating, Sexual Conflict And Maintenance Of Population Polymorphism <b>HARDLING, ROGER,</b> JOHANNES BERGSTEN
11:30		Contribution Of Insertion/Deletion Events To Sex Chromosome Evolution As Inferred From Human- Chimpanzee Genomic Alignments <b>KVIKSTAD, ERIKA M, KATERYNA</b> D MAKOVA	Mechanisms Producing Disharmony In Hawaiian Lepidoptera: Non-Random Colonization And Radiation <b>HAINES, WILLIAM P, DANIEL</b> RUBINOFF
11:45		Habitat Analysis Incorporating Nomenclatural And Taxonomic Information <b>FAUTIN, DAPHNE G</b>	Trade-offs Repel Temptation: Evolutionary Dynamics of Exploitation in the Rhizobia-Legume Mutualism <b>FRIESEN, MAREN, ANDREA</b> MATHIAS

TUESDAY June 27th	Hybridization Wang Lecture Hall 2	Invasive Species SAC 303	Life History Evolution SAC 305
10:30	A Method To Detect Departures From Neutrality In Genomic Scans Of Introgression Rates <b>BUERKLE, ALEX</b> , CHRISTIAN LEXER	The Evolutionary History Of The Invasive Tunicate, <i>Botryllus schlosseri</i> , In The Northwest Atlantic: A Phylogeographic Approach. <b>JOHNSON, SHERI L</b> , PHILIP O YUND	Variation In Life History Trade-Offs In A Sexually Antagonistic Lizard <b>BONNEAUD, CAMILLE G</b> , RYAN CALSBEEK, THOMAS B SMITH
10:45	Assessing The Effect Of Mosaic Sequences On The Accuracy Of Phylogeny Reconstruction, Using Simulations With Species-Level Angiosperm Tree Topologies. <b>VRISENDORP, BASTIENNE</b> , FREEK T BAKKER	Phylogenetic And Biogeographic Relationships Of The Ponto-Caspian Neogobiins (Teleostei: Gobiidae) Based On Nuclear And MtDNA Sequences <b>STEPIEN, CAROL A</b> , MATTHEW E NEILSON	Physiological Evolution And Aging In Garter Snakes <b>BRONIKOWSKI, ANNE</b> , STEVAN ARNOLD
11:00	Advantage Of Being The Early Bird: Arrival Times And Asymmetrical Gene Flow Across A Contact Zone In The Swainson's Thrush <b>RUEGG, KRISTEN C</b>	Trampsnails: Genetic Evidence For Natural Colonization And Human-Mediated Introductions Of The Land Snail <i>Praticolella</i> <b>PEREZ, KATHRYN E</b>	Aging Under Stress In An Experimental Population Of <i>Plantago</i> <b>ROACH, DEBORAH</b>
11:15	A Mechanism For Mitochondrial Gene Flow Between Hermit And Townsend's Warblers <b>KROSBY, MEADE</b> , SIEVERT ROHWER	Phylogeography Of Florida's Native Freshwater Apple Snail, <i>Pomacea paludosa</i> And Threats From Nonnative Apple Snails <b>COLLINS, TIMOTHY M</b> , TIMOTHY A RAWLINGS, DUANE CHOQUETTE	Juvenile Hormone And Life History Evolution: Don't Believe Everything You Read In The Literature <b>ZERA, ANTHONY J</b>
11:30	Behavioral Premating Barriers, Fertility And Fecundity In A Cricket Hybrid Zone <b>MAROJA, LUANA S</b> , JOSE A ANDRES, RICHARD G HARRISON	Genetic Diversity Within And Among Populations Of A World-Wide Invasive Snail <b>DYBDAHL, MARK</b>	Phytochrome Influences Germination Phenology Of <i>Arabidopsis thaliana</i> In The Field <b>BUTLER, COLLEEN M</b> , DEEPAK BARUA, M S HESCHEL, CAN CENIK, ROBERT SHARROCK, GARRY WHITELAM, KATHLEEN DONOHUE
11:45	Scale-Independent Criteria And Scale-Dependent Agents Determining The Structure Of A Ground Cricket Mosaic Hybrid Zone <b>ROSS, CHARLES</b> , JIM BENEDIX, DANIEL HOWARD	Invasion Genetics Of The Ponto-Caspian Neogobiin Fishes In North America And Europe Using Microsatellites And MtDNA <b>STEPIEN, CAROL A</b> , JOSHUA E BROWN, MATTHEW E NEILSON	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

TUESDAY June 27th	Phenotypic Plasticity Wang 201	Speciation SAC 306	Systematics Wang Lecture Hall 1
10:30	Photoperiodic Alteration Of Thermal Sensitivity In <i>Drosophila melanogaster</i> <b>GILCHRIST, GEORGE W,</b> TRACY E ARCELLA, DONNA G FOLK	The Geography Of Speciation In A Pleistocene Cicada Radiation <b>MARSHALL, DAVID C</b>	Diversification Of The <i>Palau diplommatinid</i> Land Snails <b>RUNDELL, REBECCA J</b>
10:45	Dynamic Epistatic Networks Mediate Odor Guided Behavior In <i>Drosophila melanogaster</i> <b>SAMBANDAN, DEEPA,</b> TRUDY MACKAY, ROBERT ANHOLT	Have West African-Caribbean slave trades given rise to a new incipient species of <i>Drosophila melanogaster</i> ? <b>YUKILEVICH, ROMAN,</b> JOHN R TRUE	Origin And Evolution Of The New Zealand Skink Fauna <b>CHAPPLE, DAVID G,</b> PETER A RITCHIE, CHARLES H DAUGHERTY
11:00	Tradeoffs In The Evolution Of Phenotypic Plasticity: Butterfly Learning Shows Mechanism Matters <b>SNELL-ROOD, EMILIE C</b>	New Tools For New Concepts: A Multilocus Phylogenetic Reconstruction Of The Genus <i>Thomomys</i> [O. Rodentia F. Geomyidae] <b>BELFIORE, NATALIA M</b>	A Reinterpretation Of Indian Ocean And Malagasy Paleogeography And Paleobiogeography <b>CRACRAFT, JOEL,</b> ROBERT MOYLE, JOHN SPARKS, LEO SMITH
11:15	Genotype X Environment Interaction For Male Attractiveness In An Acoustic Moth: Evidence For Plasticity And Canalization <b>DANIELSON-FRANCOIS, ANNE,</b> JOHN K KELLY, MICHAEL D GREENFIELD	High Levels Of Genetic Diversity In Australian Cave Dwelling Diving Beetles <b>GUZIK, MICHELLE T,</b> STEVEN J COOPER, WILLIAM F HUMPHREYS, CHRIS H S WATTS, ANDREW D AUSTIN	Revealing Cryptic Species In The Ancient Spider Genus <i>Hypochilus</i> (Araneae, Hypochilidae) <b>KEITH, ROBIN,</b> MARSHAL HEDIN
11:30	Epistasis Constrains The Evolution Of Phenotypic Plasticity In A Subdivided Population: Results From Quantitative Genetic And Gametic Models <b>SCOVILLE, ALISON G</b>	Does Niche Conservatism Promote Speciation? A Case Study In North American Salamanders <b>KOZAK, KENNETH H,</b> JOHN J WIENS	Chiton Clades That Have Radiated In The Northern Pacific Ocean <b>EERNISSE, DOUGLAS J</b>
11:45	Can Behavioral Plasticity Enhance The Benefits Of Morphological Plasticity? <b>PADILLA, DIANNA K,</b> PAUL E BOURDEAU, DANIEL GRUNBAUM	An Integrative Approach To Delineating Species With Extreme Population Structuring: The <i>Aptostichus atomarius</i> Complex Of California <b>BOND, JASON E,</b> AMY K STOCKMAN	At The Frontier Of Marine Species : A Study Of The Genus <i>Hypoplectrus</i> <b>PUEBLA, OSCAR,</b> ELDRIDGE BERMINGHAM, FREDERIC GUICHARD



TUESDAY June 27th	SSB Symposium Wang Theatre	Dobzhansky Prize winner SAC 304	Evolutionary Theory Wang 401
1:30	<p style="text-align: center;"><b>SSB symposium: Patterns of co-diversification in specialized communities</b> See Page 25</p>	<p>Honour thy father and/or thy mother: re-examining the implications of parent-offspring resemblance in evolution <b>RUSSELL BONDURIANSKY</b></p>	<p>Warning Color Hybrid Zones And Wright's Shifting Balance In <i>Heliconius</i> Butterflies <b>BOYKO, ADAM R</b></p>
1:45			<p>Cryptic Genetic Variation Is Enriched For Potential Adaptations <b>MASEL, JOANNA</b></p>
2:00			<p>The Resolution Of A Sex-Ratio Conflict Between Mates Under Local Resource Competition <b>WILD, GEOFF, PETER D TAYLOR</b></p>
2:15		<p style="text-align: center;"><b>No talk in this time slot</b></p>	<p>Directional Stochastic Evolution <b>RICE, SEAN</b></p>
2:30			<p>A Maternal-Offspring Coadaptation Theory For The Evolution Of Genomic Imprinting <b>WOLF, JASON B, REINMER HAGER</b></p>
2:45			<p>Reduced Heritability Can Increase Niche Lability In Source-Sink Evolution <b>FRIEDENBERG, NICHOLAS A</b></p>

TUESDAY June 27th	Genomics/Proteomics SAC 303	Hybridization Wang Lecture Hall 2	Life History Evolution SAC 305
1:30	Mammalian Male Mutation Bias: Impacts Of Generation Time And Regional Variation In Substitution Rates <b>MAKOVA, KATERYNA D</b>	Why Is It So Hard To Synthesize A Hybrid? Unexpectedly Complex Oocyte Formation In F1-Hybrids Of <i>P. mexicana</i> And <i>P. latipinna</i> <b>LAMPERT, KATHRIN P, DUNJA K LAMATSCH, MANFRED SCHARTL, JOERG T. EPPLER</b>	Counting Calories In <i>Drosophila</i> Dietary Restriction <b>FLATT, THOMAS, KYUNG-JIN MIN, MARC TATAR, INDREK KULAOTS</b>
1:45	Unique Genomic Landscape Underlies Human X Inactivation Profile <b>PARK, CHUNGOO, LAURA CARREL, SVITLANA TYEKUCHEVA, FRANCESCA CHIAROMONTE, KATERYNA D MAKOVA</b>	Maladapted Gene Complexes In The Copepod <i>Tigriopus californicus</i> <b>EDMANDS, SUZANNE</b>	Does Thermal Preference Maximize Fitness? A Test Using Natural Isolates Of <i>C. elegans</i> <b>ALBERGOTTI, LORI C, JENNIFER L ANDERSON, PATRICK C PHILLIPS</b>
2:00	Evolution Of The Transcriptome Dynamics During Cell-Cycle In Natural Populations Of Yeast <b>KIM, JUNHYONG, DAN SIMOLA, PAUL SNIEGOWSKI</b>	Multiple Gene Genealogies Reveal Gene Flow Among Species Of Strongylocentrotid Sea Urchins. <b>ADDISON, JASON A, GRANT H POGSON</b>	Biogeographic History Of The Araceae In The Mediterranean Region, With Emphasis On The Origin Of Corso-Sardinian Endemics. <b>MANSION, GUILHEM, RICHARD REE, ELENA CONTI</b>
2:15	Extremely Low Genomic Diversity In Ivory Gulls ( <i>Pagophila eburnea</i> ), A Species At Risk Of Extinction In Canada <b>ROYSTON, STEPHANIE, IAN L JONES, STEVEN M CARR</b>	Crossing Barriers: What Can We Learn From The Multiple Hybridizations Within The <i>Phrynocephalus przewalskii</i> Complex? <b>URQUHART, JOHN W, JINZHONG FU</b>	Sexual, Fecundity And Viability Selection In A Sexually Dimorphic Plant: A Field Experiment With Artificially Selected Lines <b>HERLIHY, CHRISTOPHER, LYNDA DELPH</b>
2:30	Genomic Insights Into Honey Bee Immunity Towards A Natural Pathogen <b>EVANS, JAY D</b>	<b>No talk currently scheduled in this time slot</b> <b>Check addendum</b>	Reproductive Value And Age-Specific Fecundity And Survival Costs In <i>Gambusia affinis</i> <b>BELK, MARK C, R C TUCKFIELD, DAVID GONZALEZ</b>
2:45	Sex-Biased Gene Expression: Conservation And Divergence In Arthropoda <b>EADS, BRIAN D, JOHN K COLBOURNE, ELIZABETH BOHUSKI, JUSTEN ANDREWS</b>	<b>No talk currently scheduled in this time slot</b> <b>Check addendum</b>	Size Versus Number Of Offspring Trade-Offs In <i>Sphaerium striatinum</i> , A Small Freshwater Clam: Size Limited Brood Capacity And Offspring Survivorship. <b>BEEKEY, MARK A</b>

TUESDAY June 27th	Macroevolution SAC 302	Phenotypic Plasticity Wang 201	Speciation SAC 306
1:30	Evidence For A Time-Integrated Species-Area Effect On The Latitudinal Gradient Of Tree Diversity <b>FINE, PAUL V</b> , RICHARD H REE	From Plasticity To Diversity: Intraspecific Morphological Plasticity Mirrors Differences Among Higher Taxa In Spadefoot Toads <b>GOMEZ-MESTRE, IVAN</b> , DANIEL R BUCHHOLZ	Species Delimitation Confounded By Micro-Allopatric Structuring In The Californian Trapdoor Spider Genus <i>Promyrmekiaphila</i> <b>STOCKMAN, AMY K</b> , JASON E BOND
1:45	Rate Of Lineage Origin Explains The Diversity Anomaly In The World's Mangrove Vegetation RICKLEFS, ROBERT E, ANDREA SCHWARZBACH, <b>SUSANNE S RENNER</b>	Evidence For The Reversibility Of Digit Loss: A Phylogenetic Study Of Limb Evolution In The Genus <i>Bachia</i> (Gymnophthalmidae, Squamata) <b>KOHLSDORF, TIANA</b> , GUNTER WAGNER	Genetics Of Sexual Communication In <i>Heliothis</i> Moths <b>GOULD, FRED</b> , ASTRID T GROOT, COBY SCHAL, NEIL VICKERS, KIRK HILLIER, JENNI HAMILTON, JOY HOROVITZ, MARIE ESTOCK, RACHAEL KATZ
2:00	Biogeographic And Biological Correlates Of Diversification In Dogwoods: Migration And Evolution Of Fruits And Inflorescences In Space And Time <b>XIANG, QIU-YUN (JENNY)</b> , BRAIN R MOORE, JEFFERY THORNE, DAVID T THOMAS	Phenotypic Plasticity In Pigment Expression In Larval Two-Lined Salamanders In Response To Heterogeneous Vs. Homogeneous Developmental Environments <b>WELTER, STEPHANIE M</b> , MATHIAS KOELLIKER, EDMUND D BRODIE III	Reproductive Isolation In Sympatric Lake Victoria Cichlid Fish Is Mediated By Early Learning About 'Mothers' Phenotype <b>VERZIJDEN, MACHTELD</b>
2:15	Specialization Is Not An Evolutionary Dead-End For Parasitic Organisms: A Meta-Phylogenetic Analysis <b>LAJEUNESSE, MARC J</b>	Maternally-Inherited Plasticity Mediates Rapid Divergence During Character Displacement <b>PFENNIG, DAVID W</b> , RYAN A MARTIN, AMBER M RICE	Population Differentiation In Female Acoustic Preference May Facilitate Sexual Isolation In The Hawaiian Cricket <i>Laupala cerasina</i> <b>GRACE, JAIME L</b> , KERRY L SHAW
2:30	Dogs In (Morpho)Space: Evolution And Development Of Phylogenetically Novel Crania. <b>DRAKE, ABBY G</b> , CHRISTIAN P KLINGENBER	Testing Species Limits Of The Brown Algal Genus <i>Fucus</i> In The Northeast Pacific Using The Its Molecular Marker <b>KUCERA, HANA</b> , GARY W SAUNDERS	Biogeographic Patterns Of Intra- Vs. Inter-Island Diversity In Cuticular Hydrocarbons In A Rapid Species Radiation Of Hawaiian Crickets <b>MULLEN, SEAN P</b> , TAMRA C MENDELSON, COBY SCHAL, KERRY L SHAW
2:45	Can The Tempo Of Diversification Distinguish Models Of Species-Level Branching Evolution? <b>WONG, DENNIS H</b> , STEVE HEARD	Phenotypic Plasticity Over The Ontogeny Of Polymorphic Arctic Charr <b>PARSONS, KEVIN J</b> , MOIRA M FERGUSON, SKULI SKULASON	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

TUESDAY June 27th	<b>Systematics</b> Wang Lecture Hall 1	
1:30	Incongruence Between Chloroplast And Morphological Data In The Varietal Complex <i>Astragalus lentiginosus</i> <b>KNAUS, BRIAN J</b> , RICH C CRONN, AARON LISTON	
1:45	Phylogenetic Relationships And Divergence Times Among New World Monkeys, Old Problems, New Approaches. <b>OPAZO, JUAN C</b> , JOHANNA SCHEER, SOOJIN YI, DEREK E WLDMAN	
2:00	Phylogenetic Analysis Of The Dung Beetle Genus <i>Phanaeus</i> (Coleoptera: Scarabaeidae: Scarabaeinae) Based On Morphological Data <b>PRICE, DANA L</b>	
2:15	Molecular Phylogenetics And Biogeography Of A Holarctic Lineage Of Mygalomorph Spiders: The Role Of Ancient Vicariant Events In Shaping Present-Day Distributions <b>HENDRIXSON, BRENT E</b> , JASON E BOND	
2:30	Molecular Phylogenetics And Evolution Of Armored Scale Insects <b>ANDERSEN, JEREMY</b> , NATALIE M FELICIANO, SHARLENE E SANTANA, GEOFFREY E MORSE, RODGER A GWIAZDOWSKI, BENJAMIN B NORMARK	
2:45	Developing New Genes For Phylogenetic Analysis: The Squamate Reptile Tree Of Life Project <b>TOWNSEND, TED M</b> , ERIC ALEGRE, SCOTT KELLEY, TOD REEDER	

TUESDAY June 27th	SSB Symposium Wang Theatre	Genomics/Proteomics SAC 303	Life History Evolution SAC 305
3:30	<b>SSB symposium: Patterns of co-diversification in specialized communities</b> See Page 25	Dinogenomics: The Genomes Of Dinosaurs And The Origin Of Avian Genome Architecture <b>ORGAN, CHRIS L, MARK PAGEL, SCOTT V EDWARDS</b>	The Effects Of Size-Selective Harvesting On The Population Biology Of A Sex-Changing Limpet, <i>Lottia gigantea</i> <b>FENBERG, PHILLIP, KAUSTUV ROY</b>
3:45		Evolutionary Genomics Of Sex-Linked And Autosomal Sequences From Emu, A Bird With Slightly Diverged Sex Chromosomes <b>JANES, DANIEL E, SCOTT V EDWARDS</b>	A Genetic Model For The Evolution Of Age-Specific Mortality <b>MOORAD, JACOB A, DANIEL E PROMISLOW</b>
4:00		Retrofitting The Genome: Endogenous Retroviral Expansion Coincident With The Loss Of Line-1 Activity <b>ERICKSON, ISSAC K, MICHAEL A CANTRELL, HOLLY A WICHMAN</b>	Mortality And Sexual Selection As Causal Agents In The Evolution Of Senescence <b>GRAVES, BRENT M</b>
4:15		When Genomes Collide: Additivity, Dominance, And Female Fertility Of <i>D. simulans/melanogaster</i> Hybrids <b>EISLER, HEATHER, JEANNE ROMERO-SEVERSON, HOPE HOLLOCHER</b>	Costs Of Resistance: Trade-Offs Between Ectoparasite Resistance And Host Fitness <b>LUONG, LIEN T, MICHAL POLAK</b>
4:30		Mitochondrial Genomics Of The <i>Ditrysia</i> (Lepidoptera): Gene Rearrangements And Sequence-Based Phylogenetics <b>CAMERON, STEPHEN, CHASE CAMPBELL, MICHAEL WHITING</b>	The Diversification Of Vertebrate Locomotor Strategies And The Hominin Brain <b>MCCALL, LAUREN W</b>
4:45		Analysis Of Complementary Proteins In The Human Genome <b>WILSON, CHRISTINA, ANTON NEKRUTENKO</b>	The Evolutionary Genetics Of Sexual Size Dimorphism In The Cricket <i>Allonemobius socius</i> <b>WINTERHALTER, WADE E, TIMOTHY A MOUSSEAU, KENNETH M FEDORKA</b>

TUESDAY June 27th	Macroevolution SAC 302	Phenotypic Plasticity Wang 201	Speciation SAC 306
3:30	The Phylogenetic Species-Area Relationship <b>ORME, DAVID</b> , ANDY PURVIS	Is Adaptive Plasticity Costly? Physiological Plasticity In Response To Drought In A Mediterranean Annual <b>MAHERALI, HAFIZ</b> , MARK E SHERRARD, CHRISTINA M CARUSO, ROBERT G LATTA	Gene Expression And The Diversification Of Hawaiian Crickets <b>DANLEY, PATRICK</b> , KERRY SHAW
3:45	A Molecular Timescale For Tetraodontiform Fishes <b>ALFARO, MICHAEL E</b> , FRANCESCO SANTINI	Correlated Plasticities: Responses Of <i>Impatiens capensis</i> To Light Quality And Quantity <b>VON WETTBERG, ERIC J</b> , KATHLEEN DONOHUE, JOHANNA SCHMITT	North American <i>Psoraleeae</i> (Leguminosae) Diversification: Rates And Dates <b>EGAN, ASHLEY N</b> , KEITH A CRANDALL
4:00	Is Genome Reduction A Major Cause Of Diversification Within Teleost Fishes? <b>SANTINI, FRANCESCO</b> , BELINDA S CHANG	Plant Responses To Belowground Competition With Siblings And Strangers: A Test For Kin Recognition <b>DUDLEY, SUSAN A</b> , AMANDA L FILE	Can A Morphology-Based Phylogeny Of The <i>Habronattus tarsalis</i> Species Complex (Araneae: Salticidae) Show Relationships Between Species & Populations? <b>FOLDI, STEVEN</b>
4:15	Regional Variation In The Historical Components Of Global Avian Species Richness <b>THOMAS, GAVIN</b> , TIM BLACKBURN, C DAVID ORME, RICHARD G DAVIES, VALERIE A OLSON, PETER M BENNETT, KEVIN J GASTON, IAN P F OWENS	The Loss Of Adaptive Plasticity During Long Periods Of Environmental Stasis <b>MASEL, JOANNA</b> , HEATHER MAUGHAN	On The Conditions For Speciation Through Intraspecific Competition <b>BUERGER, REINHARD</b> , KRISTAN A SCHNEIDER, MARTIN WILLENSDORFER
4:30	Dietary Specialization Influences The Efficacy Of Larval Tortoise Beetle Shield Defenses <b>VENCL, FREDRIC V</b>	Maternal Seasonal Affects On Germination: The Role Of Phytochromes <b>BARUA, DEEPAK</b> , M S HESCHEL, GEORGE CHIANG, COLLEEN BUTLER, CAN CENIK, ROBERT SHARROCK, GARRY WHITELAM, KATHLEEN DONOHUE	Phylogeography Of The Black Scabbardfish In The NE Atlantic Reveals The Presence Of Two Sympatric Species In Azorean Waters <b>STEFANNI, SERGIO</b>
4:45	Evolution Of Calcium Carbonate Skeleton In The Hydractiniidae (Hydrozoa-Cnidaria) <b>MIGLIETTA, MARIA P</b> , LEAH MCNALLY, CLIFFORD W CUNNINGHAM	Natural Variation In <i>Arabidopsis thaliana</i> Populations In Response To Differential Availability Of Soil Nutrients <b>BYERS, DIANE L</b> , REBECCA R ANDERSON	<b>No talk currently scheduled in this time slot</b>  <b>Check addendum</b>

Saturday, June 24<sup>th</sup>, 8:30 – 10:30 pm (Wang Center Courtyard)

Poster #	Title	Authors
<b>Undergraduate Research</b>		
<b>1</b>	The effects of genotype and maternal environment on allelopathic interactions among plants	<b>ZUNAIRA, SHUJA</b> , JOSHUA BANTA, OLIVER BOSSDORF
<b>2</b>	Impact of Climate and Metapopulation Dynamics on Collared Lizard ( <i>Crotaphytus collaris</i> ) Colonization	<b>BRAZEAL, HILARY A</b> , ALAN R TEMPLETON
<b>3</b>	Changes in PDYN Expression During Great Ape Evolution	<b>SILVERMAN, JESSE S</b> , MATTHEW V ROCKMAN, GREGORY A WRAY
<b>4</b>	Phylogeny and population genetics of <i>Alloteuthis</i> (Loliginidae) and discovery of a cryptic species	<b>PILSITS, ADRIA L</b>
<b>5</b>	Mate choice mediated by size and chemical defense in <i>Nyssodesmus python</i> (Polydesmida: Platyrrhacidae)	<b>BURNS, MERCEDES</b>
<b>6</b>	The Evolution of a 'Tragedy of the Commons' in a Host-Pathogen Metapopulation	<b>VOUK, ROXANNE</b> , BENJAMIN KERR, JEVIN WEST, ANTONY DEAN, CLAUDIA NEUHAUSER, BRENDAN BOHANNAN
<b>7</b>	Evolution of HIV envelop gene within infected patients	<b>TEFERA, PENIEL Z</b> , JEET SUKUMARAN, JOHN K KELLY
<b>8</b>	Testing for ongoing selection on synonymous codon usage in <i>Drosophila</i>	<b>BURGETT, KATELYN</b> , AELEN MABILLE, JENNIFER SCHAFFER, RICHARD KLIMAN
<b>9</b>	A Hybrid Ancestry for Coyotes in Downeast Maine	<b>CHOINIERE, ASHLEY</b> , CHRISTINE C ADAMEC, TERI DANE, GERARD ZEGERS, ELLEN E. HOSTERT
<b>10</b>	Assortative mating detected in a topminnow hybrid zone (genus <i>Fundulus</i> )	<b>HANCKS, DUSTIN C</b> , RIAH HASWELL, DAVID D DUVERNELL
<b>11</b>	Patterns of introgression of gamete recognition alleles in a blue mussel hybrid zone	<b>LIMA, THIAGO G</b> , MICHAEL A MCCARTNEY
<b>12</b>	The Impact of Inbreeding Depression on the Self-compatible Species of <i>Arabidopsis lyrata</i>	<b>ORION, REV B</b>
<b>13</b>	Evaluating the genetic architecture of flowering time in <i>Campanulastrum americanum</i> through artificial selection	<b>TRUONG, HUYEN B</b> , LAURA F GALLOWAY, KEVIN S BURGESS
<b>14</b>	Temporal dynamics of the Ka/Ks ratio in African-Clawed Frog genus <i>Xenopus</i>	<b>ZUBAIRI, MOHAMMAD</b> , BEN EVANS
<b>15</b>	Geometric morphometrics contrasts geographic variation among four species of endemic gastropods from Lake Tanganyika	<b>CALLIER, VIVIANE</b> , CATHERINE E WAGNER, ELLINOR MICHEL, JONATHAN TODD
<b>16</b>	Reproductive adaptations in response to sperm competition in deermice ( <i>Peromyscus</i> )	<b>BREE, ANNA C</b> , MATT ANDERSON, PASCAL GAGNEUX, HOPI E HOEKSTRA
<b>17</b>	Resistance to heat stress in sister species of <i>Drosophila</i> and their F1 hybrids: Implications for ecological speciation	<b>MUIR, CHRISTOPHER D</b> , GEORGE W GILCHRIST
<b>18</b>	Divergence Estimates for the genus <i>Bufo</i> based on multiple loci	<b>TASIA C ROBERTSON</b> , BRICE P NOONAN, PRAMUK, JENNIFER B
<b>19</b>	Parasitoid host choice does not optimize offspring survival	<b>LASKOWSKI, KATIE L</b> , JEFF LEIPS
<b>20</b>	Down Under: Characterization of L1 Retrotransposons in Marsupials	<b>KEYS, AMANDA L</b>
<b>21</b>	Testing the strict isolation model in the <i>Drosophila simulans</i> species complex	<b>MCDERMOTT, SHANNON</b> , PAULA MILLER, RICHARD KLIMAN

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Poster #	Title	Authors
<b>Undergraduate Research</b>		
<b>22</b>	The Spatial Distribution of Hermit Crab Symbionts	VILLAGECENTER, SHARON, GREG JENSEN
<b>Adaptation</b>		
<b>23</b>	Identification of QTL responsible for the regulation of saturated and unsaturated fatty acids in <i>Arabidopsis thaliana</i> and their role in adaptive evolution	SANYAL, ANUSHREE, CRAIG R LINDER
<b>24</b>	Adaptive evolution at a high elevation contact zone between two subspecies of deer mice	GERING, EBEN J, STEPHEN J SABATINO, JAY F STORZ
<b>25</b>	Adaptive Clinal Variation of a Microbial Population along a Natural Thermal Gradient	MILLER, SCOTT R, DARLA CARVEY, CARIN KISTLER, DEANA PEDERSEN, UNIVERSITY OF MONTANA
<b>26</b>	Adaptive walks towards a moving optimum	COLLINS, SINEAD, CLAUDIA ACQUISTI
<b>27</b>	Evolution of sexual dimorphism and sex-limited mimicry in <i>Papilio swallowtail</i> butterflies	KUNTE, KRUSHNAMEGH
<b>28</b>	Phenotypic and molecular evolution during domestication - the effects of foundation	SIMIES, PEDRO, MARTA PASCUAL, JOSIANE SANTOS, MICHAEL R ROSE, MARIA MANUELA COELHO, MARGARIDA MATOS
<b>29</b>	Nucleotide variation in the embryonic zeta-globin gene in high- and low-altitude populations of deer mice, <i>Peromyscus maniculatus</i>	SABATINO, STEPHEN, JAY STORZ
<b>30</b>	Are maternal effects adaptive? Progeny responses to multiple maternal competitive environments	DECHAIINE, JENNIFER M, CYNTHIA WEINIG
<b>31</b>	Temperature-sensitive Anthocyanin Production Underlies Floral Color Plasticity in <i>Plantago lanceolata</i>	STILES, ELIZABETH A, NADJA B CECH, ELIZABETH P LACEY
<b>32</b>	Do metabolic requirements in cold environments constrain locomotor performance in vertebrate ectotherms?	CANO ARIAS, JOSÉ MANUEL, ALFREDO G NICIEZA
<b>33</b>	Not so novel: the importance of standing variation in adaptive evolution	SMALL, SCOTT T, JEFFERY ROSS-IBARRA
<b>34</b>	Web decoration in the spiny orb weaver <i>Micrathena sexspinosa</i>	DANIELSON-FRANCOIS, ANNE M, J G SCHUETZ
<b>Animal Mating/Breeding Systems</b>		
<b>35</b>	Speciation in a bottle: Does intersexual coevolution drive evolutionary divergence in identical habitats?	ROGERS, MARK A, ADAM CHIPPINDALE
<b>36</b>	Genetic mapping of the plg-1 gene in <i>Caenorhabditis elegans</i>	PALOPOLI, MICHAEL, AYE TINMAUNG, STEPHEN CURWEN, CAMDEN RAMSAY
<b>37</b>	Intrasexual selection in a wild lemur population ( <i>Propithecus verreauxi verreauxi</i> )	LAWLER, RICHARD R
<b>38</b>	Jaws of life: function and allometry of spider chelicerae	BRANDT, YONI, MAYDIANNE ANDRADE
<b>Behavior/Social Evolution</b>		
<b>39</b>	The Sociology of R. A. Fisher	DAVIS, JEFF



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Poster #	Title	Authors
<b>Behavior/Social Evolution</b>		
<b>40</b>	Factors affecting variation in trophic egg production of a subsocial shield bug, <i>Parastrachia japonensis</i> Scott (Heteroptera: Cydnidae)	<b>FILIPPI, LISA</b> , SHINTARO NOMAKUCHI, HIRONAKA MANTARO,
<b>41</b>	Courtship Behavior of Wild and Lab-reared <i>Drosophila robusta</i>	<b>ARBUCKLE, KAREN L</b> , WILLIAM J ETGES,,
<b>42</b>	Relatedness and cheating in the 'other' social insects	<b>ABBOT, PATRICK</b>
<b>Invasive Species</b>		
<b>43</b>	Testing the Evolution of Increased Competitive Ability Hypothesis; Foliar Chemical and Growth Characteristics of Native and Invasive <i>Solidago gigantea</i>	<b>JOHNSON, ROBERT H</b> , GRETCHEN A MEYER, HELEN M HULL-SAUNDERS
<b>44</b>	Characterization of Red Rice, An invasive weed.	<b>KUNTZ, ELEANOR J</b> , SUSAN WESSLER, RODNEY MAURICIO
<b>45</b>	Rapid evolution of a cline in flowering time across a climatic gradient during biological invasion in purple loosestrife	<b>ECKERT, CHRISTOPHER G</b> , JESSICA L MONTAGUE, SPENCER C BARRETT
<b>46</b>	Invasion Genetics of Emerald Ash Borer ( <i>Agrilus planipennis</i> Fairmaire) in North America	<b>BRAY, ALICIA M</b> , ROBERT A HAACK, LEAH S BAUER, THERESE POLAND, JAMES J SMITH
<b>47</b>	Resolving the native provenance of invasive fireweed ( <i>Senecio madagascariensis</i> Poir.) in the Hawaiian Islands.	<b>TRAN, CAROL</b> , ANIA M WIECZOREK, JOHANNES J LE ROUX
<b>48</b>	Worldwide phylogeography of the invasive jellyfish <i>Phyllorhiza punctata</i>	<b>BAYHA, KEITH M</b> , TOBY BOLTON, WILLIAM M GRAHAM
<b>49</b>	Comparative Broad to fine-scale population genetic patterning in smallmouth bass and walleye across the Laurentian Great Lakes and beyond	<b>STEPIEN, CAROL A</b> , REX M STRANGE
<b>Phylogeography</b>		
<b>50</b>	False-click beetle (Coleoptera: Eucnemidae) phylogeny clicks with continental break-up pattern	<b>TERAVAINEN, MARIANNA I</b>
<b>51</b>	Phylogeography and conservation genetics of the hellbender salamander ( <i>Cryptobranchus alleganiensis</i> )	<b>SABATINO, STEPHEN</b> , ERIC ROUTMAN
<b>52</b>	Analyzing patterns of geographical expansion in <i>Peromyscus leucopus</i> using mtDNA	<b>MOSCARELLA, ROSA A</b> , BARBARA L LUNDRIGAN, PHIL MYERS, SUSAN HOFFMAN, ALLISON POOR, MOLLY STEINWALD, CHRIS YAHNKE
<b>53</b>	Phylogeography of the Hawaiian endemic plant <i>Schiedea globosa</i> (Caryophyllaceae): Gene flow vs. ancestral polymorphisms in shaping genetic structure	WALLACE, LISA E, STEPHEN G WELLER, ANN K SAKAI, WARREN L. WAGNER, <b>MOLLY NEPOKROEFF</b>
<b>54</b>	Phylogeography of sigmodontine rodents from the relictual and temperate forests of Chile	<b>PALMA, EDUARDO</b> , DUSAN BORIC-BARGETTO, RICARDO CANCINO, JULIO C MUÑOZ
<b>55</b>	Genetic variation within and among cave and spring populations of <i>Gammarus minus</i> in Greenbrier County, WV	<b>CARLINI, DAVID B</b> , JOHN D MANNING, DANIEL W FONG,
<b>56</b>	Multilocus Phylogeography of the Red-backed Fairywren	<b>LEE, JUNE YONG</b> , SCOTT V EDWARDS

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Poster #	Title	Authors
<b>Phylogeography</b>		
<b>57</b>	Coalescent-based multilocus inference of divergence time between two disjunct populations of foxtail pine ( <i>Pinus balfouriana</i> )	<b>ECKERT, ANDREW J</b>
<b>58</b>	Hybrid biodiversity in postglacial environment: Riptide of two trans-Arctic invasion waves in Baltic clam populations	<b>NIKULA, RAISA, PETR STRELKOV, RISTO VEINILE</b>
<b>59</b>	Historical fragmentation and its effects on mitochondrial genetic diversity in island populations of <i>Podarcis erhardii</i>	<b>HURSTON, HEATHER H, NICOLA M ANTHONY</b>
<b>60</b>	Weta worldwide - systematics and biogeography of the Anostostomatids	<b>PRATT, RENAE, MARY MORGAN-RICHARDS, STEVE TREWICK</b>
<b>61</b>	Phylogeny and biogeography of European Leuciscins (Teleostei: Cyprinidae)	<b>LEVY, ANDRÉ, VOTOR ALMADA</b>
<b>62</b>	Islands in the forest: Multi-species phylogeography of the Guianan inselbergs	<b>MOSS, TRAVIS J, BRICE P NOONAN, JACK W SITES</b>
<b>63</b>	Phylogeography and host-plant use in a radiation of Hawaiian moths ( <i>Cydia</i> : Tortricidae: Lepidoptera)	<b>OBOYSKI, PETER T, GEORGE K RODERICK</b>
<b>64</b>	Exploration of the processes underlying an unusual phylogeographic	<b>HUANG, HUATENG, DAVID A GRAY, L LACEY KNOWLES</b>
<b>65</b>	Origins and phylogeography of Hill's oak ( <i>Quercus ellipsoidalis</i> ) in the Chicago region: evidence from AFLP data	<b>HIPP, ANDREW L, JAIME A WEBER</b>
<b>66</b>	Comparative Phylogeography of Neotropical <i>Drosophila</i> (Cardini group)	<b>PENTON, ERIN H, DANIELA DE TONI, HOPE HOLLOCHER, MARLUCIA MARTINS, NEIL LOBO</b>
<b>67</b>	Phylogeography of the Three-Spined Stickleback in Europe: Implications for Intraspecific Systematics and Conservation	<b>MEKINEN, HANNU S</b>
<b>68</b>	Unusually strong population genetic structure in Holarctic <i>Daphnia</i> from permanent waters.	<b>ISHIDA, SEIJI, DEREK J TAYLOR</b>
<b>69</b>	Living on a tropical mountain: altitude and wing size in <i>Blepharoneura</i> (Diptera: Tephritidae)	<b>RHODES, KRISTOPHER, MARTY CONDON</b>
<b>Plant Mating Systems</b>		
<b>70</b>	Inbreeding depression in life history traits in <i>Datura stramonium</i>	<b>BELLO, RAFAEL BELLO, JUAN NUÑEZ</b>
<b>71</b>	Variation in the self-incompatibility response within and among populations of <i>Witheringia solanacea</i> (Solanaceae)	<b>STONE, JUDY L, MIRUNA A SASUCLARK, CHRIS P BLOMBERG</b>
<b>72</b>	The Disruption of Frequency Dependent Equilibrium in Heteromorphic Systems and the Evolution of Distyly	<b>FORNONI, JUAN, CESAR DOMÍNGUEZ, FRANCISCO MOLINA-FREANER, STEPHEN WELLER</b>
<b>73</b>	Introgression of Self-Incompatibility in <i>Leptosiphon</i> (Polemoniaceae)	<b>NESS, JENNIFER M</b>
<b>74</b>	Diversification rates in self-incompatible and self-compatible families of angiosperms	<b>FERRER, MIRIAM M, SARA V GOOD-AVILA</b>
<b>75</b>	Evolution and Expression of Self Incompatibility in The Rosaceae Family	<b>OZON, JAMES, SARA GOOD-AVILA</b>
<b>76</b>	The evolution of floral morphology in the transition from tristily to distily in <i>Oxalis alpina</i>	<b>SOSENSKI, PAULA, CESAR DOMINGUEZ, JUAN FORNONI</b>

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Poster #	Title	Authors
<b>Theoretical Population Genetics</b>		
<b>77</b>	Is selfing-induced flower senescence a source of pollen discounting in <i>Leptosiphon jepsonii</i> ?	<b>WEBER, JENNIFER J, CAROL GOODWILLIE</b>
<b>78</b>	Herkogamy importance in the evolution towards distyly: out-crossing rates estimation in a <i>Bouvardia ternifolia</i> (Rubiaceae) population	<b>LOPEZ, ADRIANA, CESAR DOMINGUEZ</b>
<b>79</b>	Tristyly to Distyly Transition: Patterns of Pollen flow	<b>BAENA, FERNANDA, CESAR DOMINGUEZ</b>
<b>80</b>	Population Structure and the Evolution of Intracellular Symbionts	<b>O'FALLON, BRENDAN D</b>
<b>81</b>	The Drift Component of Evolution by Selection	<b>CAMPBELL, R B</b>
<b>82</b>	Estimating Selection coefficient using Approximate Bayesian Computation	<b>JOSHI, SONALI, PETER BEERLI, KOFFI SAMPSON</b>
<b>83</b>	msBAYES software pipeline: Test for simultaneous divergence (TSD) using approximate Bayesian computation (ABC)	<b>HICKERSON, MIKE, ELI A STAHL, H A LESSIOS</b>
<b>Species Interactions</b>		
<b>84</b>	Zooxanthella of the genus <i>Symbiodinium</i> spp. associated to sponges of the complex <i>Cliona</i> spp. in Colombian reefs Caribbean reefs.	<b>CAMARGO, CAROLINA, JUAN A SANCHEZ, INGRID TORRES</b>
<b>85</b>	Selection overrides historical gene flow to break down maladaptive phenotypes in a snake mimicry complex	<b>HARPER, GEORGE R, DAVID W PFENNIG</b>
<b>86</b>	Strong fitness reduction in F1 hybrids and its consequences on diversification of breeding systems among sympatric Asian <i>Mitella</i> species.	<b>OKUYAMA, YUDAI, MAKOTO KATO</b>
<b>87</b>	Character displacement as the "best of a bad situation"	<b>PFENNIG, KARIN, DAVID PFENNIG</b>
<b>88</b>	Evolution of competition and cooperation in the gastrointestinal microbiota	<b>TROSVIK, PÅL</b>
<b>89</b>	Evolution of Plethodon Salamander Communities: Guild-Based Community Organization	<b>ADAMS, DEAN C</b>
<b>90</b>	Host effects on <i>Plasmodium</i> sex ratios in experimental infections of Hawaiian Amakihi	<b>GERING, EBEN J, CARTER T ATKINSON</b>
<b>Speciation</b>		
<b>91</b>	Wing shape differences among <i>Blepharoneura</i> (Diptera: Tephritidae) of eastern Ecuador: a morphometric approach	<b>MARSTELLER, SARA, FRANK SERNA, JESSICA JOHNSON, DEAN ADAMS, MICHAEL COLLYER, MARTY CONDON</b>
<b>92</b>	Cryptic species in the sunflower fly <i>Strauzia longipennis</i> (Diptera: Tephritidae)	<b>AXEN, HEATHER J, JESSICA HARRISON, MARTY CONDON</b>
<b>Evolutionary Theory</b>		
<b>93</b>	Pleiotropy and Evolvability	<b>MACDONNELL, GRANT</b>
<b>94</b>	Exploring Evolutionary Relationships and Resistance to multiple drugs in HIV	<b>CARVAJAL-RODRIGUEZ, ANTONIO, KEITH CRANDALL, DAVID POSADA</b>
<b>95</b>	Speciation by Self-Organizing Barriers to Gene Flow in Simulated Populations with Localized Mating	<b>PAYNE, JOSHUA L, MAGGIE EPPSTEIN, CHARLES J GOODNIGHT</b>

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<b>Evolutionary Theory</b>		
<b>96</b>	Evidence of pulsed turnover and variability selection in an Early Eocene mammal fauna from the central Bighorn Basin, WY	<b>CHEW, AMY</b>
<b>Ecological Genetics</b>		
<b>97</b>	Inferring behavioral trait heritability using molecular markers in the predatory gastropod, <i>Nucella canaliculata</i>	<b>BELL, TINA M, JOHN P WARES, ERIC SANFORD</b>
<b>98</b>	No Reference Required: Estimating Genotyping Errors Using Maximum Likelihood	<b>JOHNSON, PAUL C</b>
<b>100</b>	Transcript expression patterns within and among taxa, genotypes, and environmental conditions	<b>DE GLANVILLE, HEATHER E</b>
<b>101</b>	Phenotypic differentiation of flower traits in <i>Datura stramonium</i>	<b>LOPEZ, ARMANDO, JUAN NUÑEZ</b>
<b>102</b>	Genetic variations in populations of the gorgonian coral <i>Pseudopterogorgia acerosa</i>	<b>PIÑEROS, VICTOR J, JUAN A SANCHEZ</b>
<b>103</b>	Pollinator behavior: selection on flowering time in two light environments	<b>KILKENNY, FRANCIS F, LAURA F GALLOWAY</b>
<b>104</b>	Examining Natural Allelic Variation in Maternal Effects on Dormancy.	<b>CHIANG, GEORGE C, DEEPAK BARUA, KATHLEEN DONOHUE</b>
<b>105</b>	Ecological implications of DNA methylation in <i>Arabidopsis thaliana</i>	<b>ARCURI, DAVIDE, OLIVER BOSSDORF, CHRISTINA RICHARDS, MASSIMO PIGLIUCCI</b>
<b>107</b>	Contemporary versus historical influences on regional genetic structure of an estuarine killifish.	<b>LINDMEIER, JAMES B, DAVID D DUVERNELL</b>
<b>108</b>	2,3,7,8-Tetrachlorodibenzo-p-Dioxin Affects Fluctuating Asymmetry of Molar Shape in Mice, and an Epistatic Interaction of Two Genes for Molar Size	<b>KELLER, JAMES M, DESIREE E ALLEN, CARISA R DAVIS, LARRY J LEAMY</b>
<b>109</b>	Where do the Free-living Zooxanthellae of the Caribbean Reefs live?	<b>PORTO, ISABEL, JUAN A SÁNCHEZ</b>
<b>Comparative Biology</b>		
<b>110</b>	Evolution of gut length in the trophic diversification of Lake Tanganyikan cichlids	<b>WAGNER, CATHERINE E, PETER B MCINTYRE, KALMIA M SMITH, ELLINOR MICHEL</b>
<b>111</b>	Low conservation of synteny between paired BAC-end sequences from non-avian reptiles and the chicken genome	<b>CHAPUS, CHARLES, SCOTT EDWARDS</b>
<b>112</b>	Functionally interdependent traits, their distinct ecological correlates, and the potential for evolution in ecological strategies: an example from xy	<b>PRESTON, KATHERINE A, WILLIAM K CORNWELL, JEANNE L DENOYER</b>
<b>Genomics/Proteomics</b>		
<b>113</b>	Preliminary annotation and phylogenomic characterization of the basal brown alga <i>Choristocarpus</i> EST library	<b>YOON, HWAN S, JENA L CHOJNOWSKI, NAOMI E PHILLIPS, DEBASHISH BHATTACHARYA AND ED BRAUN</b>
<b>114</b>	Comparative genomics of mitochondrial DNA in the <i>Drosophila virilis</i> species group	<b>MENDEZ, IVONNE, GREG SPICER</b>
<b>115</b>	Linking metabolic divergence to molecular divergence in <i>Drosophila</i> mitochondrial genomes	<b>MONTTOOTH, KRISTI L, DAWN N ABT, ROBERT A HANEY, DAVID M RAND</b>

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<b>Genomics/Proteomics</b>		
<b>116</b>	Comparing thyroid and insect hormone signaling in <i>Drosophila</i>	<b>HEYLAND, ANDREAS</b> , THOMAS FLATT
<b>117</b>	Comparative Genomics and Climate Change in the Tallgrass Prairie	<b>TRAVERS, STEVE</b> , JIANFA BAI, SCOT HULBERT, J E LEACH, P S SCHNABLE, A K KNAPP, G A MILLIKEN, P A FAY, K A GARRETT, M SMITH
<b>118</b>	Genomic Signature Tags for genome-wide profiling and marker generation	<b>KRAUSE, MAUREEN K</b> , JESSE J CASSIDY, NAY HTYTE, JOHN J DUNN
<b>119</b>	Dynamical Building Blocks of Gene Regulatory Networks	<b>STOCKWELL, SARAH R</b> , RYAN N GUTENKUNST, CHRIS R MYERS, ANDREW G CLARK
<b>120</b>	Identifying gonad-specific transcripts in <i>Danio rerio</i> using microarrays: Groundwork for the study of reproductive molecular evolution in fishes	<b>SMALL, CLAY M</b> , ADAM G JONES, GINGER E CARNEY, QUINCY MO
<b>121</b>	Natural Selection, Gene Function and Phylogeny in the Mycoplasmatales	<b>DIEHL, WALTER J</b>
<b>122</b>	Paleopolyploidy in <i>Mimulus</i> : Insights from ESTs	<b>BOUCK, AMY</b> , JOHN WILLIS, TODD VISION
<b>123</b>	Mapping in <i>Mimulus</i> : Evolutionary Genetics of Two Monkeyflowers	<b>PINCE, CHRISTINA</b> , H.D. BRADSHAW
<b>Molecular Evolution</b>		
<b>124</b>	Multiple Mechanisms Promote the Retained Expression of Duplicate Genes	<b>CHAIN, FREDERIC J</b> , BEN J EVANS
<b>125</b>	High affinity nitrate transporters in fungi: origin, diversification and horizontal transfer	<b>SLOT, JASON C</b> , KELLY HALLSTROM, DAVID S HIBBETT
<b>126</b>	Rapid evolution toward multiple fates at the complex HIP/HIP-Replacement locus in <i>Drosophila</i>	<b>HOGAN, CATHERINE C</b> , BRIAN R BETTENCOURT
<b>127</b>	Seed dormancy evolution in <i>Arabidopsis thaliana</i>	<b>DEBIEU, MARILYNE M</b> , MAARTEN KOORNEEF, JULIETTE E DE MEAUX,
<b>128</b>	Evolution in deep time and shallow seas: fossils and genes of New Zealand marine molluscs	<b>HILLS, SIMON</b> , MARY MORGAN-RICHARDS, STEVE TREWICK, JAMES CRAMPTON, ALAN BEU, ROGER COOPER, PHILLIP MAXWELL, BRUCE MARSHALL
<b>129</b>	Mammalian mitochondrial tRNAs: Updated secondary structures, base composition, skew, and strand bias	<b>FRABOTTA, LAURENCE J</b> , MATTHEW J YODER, KATHERINE A DUNN, JOSEPH J. GILLEPIE, RODNEY L. HONEYCUTT
<b>130</b>	Molecular Evolution of Glucose Phosphate Isomerase in Bay Scallops	<b>KRAUSE, MAUREEN K</b> , MICHELLE F LAMENDOLA,,
<b>131</b>	Evolution and Subcellular Location of the Hyper-variable C-terminus Extension of the Male-transmitted COX2 Protein in Amblemine Bivalves (Unionidae).	<b>WALKER, JENNIFER M</b> , RUMELA CHAKRABARTI, ERIC G CHAPMAN, JASON CUROLE, SALLY SHEPARDSON, DON STEWART RICH TRDAN, SRINIVASAN VIJAYARAGHAVAN, WALTER R. HOEH
<b>132</b>	Intron loss, not gain: pesky problems with parsimony and parallel insertion	<b>ROY, SCOTT W</b> , DAVID PENNY
<b>133</b>	Evolution of L1 retrotransposon ORF1 sequences in a group of teleost fishes (Cyprinodontiformes).	<b>DUVERNELL, DAVID D</b>
<b>134</b>	L1 retrotransposon transcriptional activities in somatic and germline tissues of teleost fishes	<b>JOHNSTON, JENNIFER M</b> , CARL J DIEHL, DAVID D DUVERNELL
<b>135</b>	Population frequency distributions of L1 retrotransposon inserts in two teleost fish genomes	<b>DIEHL, CARL J</b> , JENNIFER M JOHNSTON, DAVID D DUVERNELL

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Poster #	Title	Authors
<b>Molecular Evolution</b>		
<b>136</b>	Different Rate of LINE-1 Amplification Among New-World Monkeys	<b>SOODKEO, AKASH</b> , STEPHANE BOISSINOT
<b>137</b>	Molecular phylogenetic analyses of the <i>Scleractinia</i> and <i>Corallimorpharia</i>	<b>BARBEITOS, MARCOS S</b> , HOWARD R LASKER, SANDRA L ROMANO,
<b>138</b>	Functional Evolution of Odorant Binding Protein Genes in <i>Drosophila melanogaster</i>	<b>WANG, PING</b> , TRUDY MACKAY, ROBERT ANHOLT
<b>139</b>	Selection Tests of Many Mammalian Nuclear Genes	<b>DOWLING, TODD</b> , STEVE JODAN
<b>140</b>	Molecular evolution of Acps in the <i>Drosophila mulleri</i> subgroup	<b>ALMEIDA, FRANCISCA C</b> , ROB DESALLE
<b>141</b>	X accumulation of LINE-1 retrotransposons in <i>Tokudaia osimensis</i> , a spiny rat with the karyotype XO	<b>LUANN, SCOTT</b> , ASATO KUROIWA, YOICHI MATSUDA, HOLLY A WICHMAN
<b>142</b>	Microlife: LINE-1 Activity in Microchiropteran Bats	<b>HOWELL, ERIC K</b>
<b>143</b>	Megade(a)th: Loss of LINE-1 Activity in the Megachiroptera	<b>CANTRELL, MICHAEL A</b> , LUANN SCOTT, HOLLY A WICHMAN, ARMANDO MARTINEZ
<b>144</b>	The Evolution of the Anti-viral Oas1 Gene in Primates	<b>FERGUSON, WILLIAM G</b> , SHIRA DVORA, STEPHANE BOISSINOT
<b>145</b>	Strong regional heterogeneity in base composition evolution on the <i>Drosophila X</i> chromosome	<b>KO, WEN-YA KO</b> , SHENGFU PIAO, HIROSHI AKASHI
<b>146</b>	Molecular Evolution of Acp26Aa in <i>Drosophila mauritiana</i>	<b>TSAUR, SHUN-CHERN</b> , SHU FANG, CHAU-TI TING
<b>147</b>	When the background becomes the foreground: pseudogene evolution in an endosymbiotic bacterium	<b>KAUPPINEN, SETH N</b> , JENNIFER J WERNEGREEN
<b>148</b>	Unusual molecular evolution and gene order in the mitochondrial genome of the parasitic wasp <i>Nasonia</i>	<b>OLIVEIRA, DEODORO C</b> , MARTHA RAJ, JOHN H WERREN, DENNIS V LAVROV
<b>149</b>	Systematics and characterization of endosymbionts in Columbiform bird lice	<b>SMITH, WENDY A</b> , KARI SMITH, COLIN DALE, DALE CLAYTON
<b>150</b>	Evolution of the major histocompatibility complex in the Galapagos marine iguana ( <i>Amblyrhynchus cristatus</i> )	<b>GLABERMAN, SCOTT</b> , ADALGISA CACCONE, JEFFREY POWELL

Don't Forget the Poster Session on Monday Night!

**Monday, June 26<sup>th</sup>, 9:00 – 11:00 pm (Wang Center Courtyard)**

Poster #	Title	Authors
<b>Bioinformatics/Phyloinformatics</b>		
<b>1</b>	A GIS-based online query tool for examination of phylogenetic and environmental factors in emergent diseases	<b>WALTARI, ERIC</b> , GREGORY HILL, DANIEL JANIES, ROBERT GURALNICK, SUSAN PERKINS
<b>2</b>	Selection against LINE-1 retrotransposons is length-dependent	<b>BOISSINOT, STEPHANE</b> , MINGZHOU SONG
<b>3</b>	Detecting Selective Pressure on Mitochondrial SNPs in Native American Pima Sub-haplogroups	<b>BECKSTEAD, WES</b> , SRIKAR CHAMALA, DAVID A MCCLELLAN, MARK ROWE
<b>4</b>	The Roadmap to MrBayes 4	<b>VAN DER MARK, PAUL</b> , FREDRIK RONQUIST, JOHN HUELSENBECK, BRED LARGET, DONALD SIMON, MARC SUCHARD
<b>5</b>	On developing a standard for reporting on phylogenies: minimal information about a phylogenetic analysis (MIAPA)	<b>LEEBENS-MACK, JAMES H</b> , TODD VISION
<b>6</b>	Event Tree: Showing events on a tree, using ET	<b>PALCZEWSKI, MICHAL</b>
<b>7</b>	Functional Variability of the RAG-1 Protein in Vertebrates	<b>VANDEVREDE, LAWREN</b> , SCOTT STEPPAN
<b>Coevolution</b>		
<b>8</b>	Coevolution of the BC1 Complex in Vertebrates	<b>BAER, KIMBERLY K</b> , DAVID A MCCLELLAN
<b>9</b>	Geographic Clines of Coevolutionary Arms Races	<b>TOJU, HIROKAZU</b> , TEIJI SOTA
<b>10</b>	Phylogeny of the moth family Gracillariidae (Lepidoptera) and origin of the pollination syndrome in the genus <i>Epicephala</i>	<b>HEMBRY, DAVID H</b> , ATSUSHI KAWAKITA, ROSEMARY GILLESPIE, MAKOTO KATO
<b>11</b>	Rates of Evolution and Cospeciation in Parasitic Quill Mites and Their Bird Hosts.	<b>FLANNERY, MAUREEN E</b> , GREG SPICER
<b>12</b>	Passerine Birds and Their Parasitic Nasal Mites: Evidence for Cospeciation	<b>CARMICHAEL, ANTHEA</b> , GREG SPICER
<b>Conservation Biology</b>		
<b>13</b>	Determining the Effects of Environmental Stress on the Magnitude of Inbreeding Depression	<b>ENDERS, LARAMY S</b> , LEONARD NUNNEY
<b>14</b>	Hepatozoon in captive Giant Pandas: phylogenetic relationships and a novel diagnostic tool	<b>DURRANT, KATE</b> , ANN BRATTHAUER, TABITHA VINER, SUZAN MURRAY, ROBERT FLEISCHER
<b>15</b>	Microsatellite diversity of rare endemic plants on the Lake Wales Ridge, Florida	<b>GERMAIN-AUBREY, CHARLOTTE C</b> , CARL W WEEKLEY, ERIC S MENGES, MATTHEW A GITZENDANNER
<b>16</b>	Bird community assembly across a gradient of rainforest disturbance	<b>LEFEVRE, KARA L</b> , F H RODD
<b>17</b>	Genotyping Success in Mandrill Monkeys Using DNA from Multiple Preservation and Extraction Techniques	<b>HELENBROOK IV, WILLIAM D</b> , NICOLE S WOLCOTT, AMY M McMILLAN
<b>18</b>	Population Trends and Genetic Diversity of the Eastern Hellbender Salamander	<b>FOSTER, ROBIN L</b> , AMY McMILLAN, KENNETH ROBLEE
<b>19</b>	Fitness consequences of intrapopulation, interpopulation, and interspecific crosses on an endangered sunflower	<b>ELLIS, JENNIFER R</b> , DAVID E McCAULEY
<b>20</b>	Designing species-specific molecular markers for the carnivore guild of Portugal: conservation implications	<b>SANTOS-REIS, MARGARIDA</b> , CARLOS A FERNANDES, CATARINA GINJA, IRIS PEREIRA, MICHAEL BRUFORD

**Monday, June 26<sup>th</sup>, 9:00 – 11:00 pm (Wang Center Courtyard)**

Poster #	Title	Authors
<b>Development and Evolution</b>		
<b>21</b>	Building evolutionary novelties: Compositional and constructional macroevolution in <i>Prunum</i> (Gastropoda: Marginellidae)	<b>REILLY, LEAH R</b> , JON-RENE C SUFFERN, ROSS H NEHM, TINA BURTON
<b>22</b>	Evolution of early embryogenesis in nematodes: a paradigm for comparative functional genomics	<b>BRAUCHLE, MICHAEL</b> , FABIO PIANO
<b>23</b>	Evolution of <i>Cycloidea</i> gene in <i>Collinsia</i> and its relatives	<b>YI, TINGSHUANG</b> , LENA C HILEMAN, SUSAN KALISZ
<b>24</b>	The Effects of Inbreeding on <i>Drosophila</i> Wing Fluctuating Asymmetry	<b>WEIER, TINA M</b> , ASHLEY J CARTER, DAVID HOULE
<b>25</b>	Genetic basis of wing morphology in <i>Drosophila melanogaster</i>	<b>CARREIRA, VALERIA</b> , JULIAN MENSCH, JUAN J FANARA
<b>26</b>	Genome-wide screening for developmental genes in <i>Drosophila</i> reveals important genotype by temperature interaction	<b>MENSCH, JULIAN</b> , NICOLAS LAVAGNINO, VALERIA CARREIRA, JUAN J FANARA
<b>27</b>	Genotype by environment interaction in <i>Drosophila melanogaster</i> larval odor-guided behavior	<b>LAVAGNINO, NICOLAS</b> , JUAN J FANARA
<b>Ecology and Evolution of Disease</b>		
<b>28</b>	Sex and the Genome: Intersexual Interactions and Risk Factors for Trematode Infection in a Freshwater Snail Host	<b>HARP, GABRIEL</b> , CURT LIVELY
<b>29</b>	Understanding RNA virus evolution: Genome sequencing of historical St Louis encephalitis virus strains	<b>BAILLIE, GREGORY</b> , SUSAN PERKINS
<b>30</b>	Surprising patterns of balancing selection in <i>P. falciparum</i> MSP6	<b>ROY, SCOTT W</b> , DANIEL HARTL, MARCELO FERREIRA
<b>31</b>	Viral Subversion by Decoy Hosts	<b>DENNEHY, JOHN J</b> , NICHOLAS A FRIEDENBERG, YUL W YANG, PAUL E TURNER
<b>Education</b>		
<b>32</b>	PopGeneS <sup>2</sup> simulation software for teaching and learning population genetics	NUIN, PAULO A, <b>MATTHEW B HAMILTON</b>
<b>33</b>	Identifying patterns of molecular evolution using plants: a teaching exercise	<b>SHUMATE, ALICE M</b> , AARON J WINDSOR
<b>34</b>	Experimental evolution of antibiotic resistance in bacteria	<b>KRIST, AMY C</b> , SASHA A SHOWSH
<b>35</b>	The Cow Diversity Project: molecular population genetics for undergraduates	<b>KLIMAN, RICHARD M</b> , JOHN A CIGLIANO
<b>36</b>	Adapting Avida for use as an evolution education tool: Developing model lesson plans	<b>SMITH, JAMES J</b> , ROBERT T PENNOCK, JEFF CLUNE, ERIC ARMSTRONG, MAX BRAVERMAN, CANDICE BRADY
<b>Empirical Population Genetics</b>		
<b>37</b>	Molecular adaptation of hemoglobin function in high altitude deer mice ( <i>Peromyscus</i> )	<b>STORZ, JAY F</b>
<b>38</b>	DNA polymorphism in tomato, a crop with a history of bottlenecks and introgression	<b>SHEFFER, SUSAN M</b> , LARRY D ROBERTSON, ANGELA M BALDO, WARREN F LAMBOY, JOANNE A LABATE
<b>39</b>	Fate of Y-linked genes translocated to the autosomes in <i>D. pseudoobscura</i>	<b>LARRACUENTE, AMANDA M</b> , ANTONIO B CARVALHO, ANDREW G CLARK
<b>40</b>	Extreme polyglutamine length variability and heterozygosity in <i>Drosophila</i> transcription factors	<b>NIMALI, MARIO</b> , BRIAN R BETTENCOURT



Monday, June 26<sup>th</sup>, 9:00 – 11:00 pm (Wang Center Courtyard)

Poster #	Title	Authors
<b>Empirical Population Genetics</b>		
<b>41</b>	Patterns of Natural Selection on the Alcohol dehydrogenase locus of <i>Drosophila americana</i>	<b>SHEELEY, SARA</b> , AMY EVANS, BRYANT MCALLISTER
<b>42</b>	Examining the Discrepancy between Phylogenetic- and Pedigree-based Estimates of the Human Mitochondrial DNA Mutation Rate	<b>HENN, BRENNAN M</b> , JOANNA L MOUNTAIN
<b>43</b>	Genetic Population Structure of <i>Gopherus polyphemus</i> throughout the Southeastern United States	<b>WALLACE, RACHEL A</b> , NICOLA M ANTHONY, MARK MITCHELL
<b>44</b>	Reproductive success of steelhead trout in the Hood River	<b>ARAKI, HITOSHI</b> , MICHAEL S BLOUIN
<b>45</b>	Genetic connectivity under the canopy: insights from <i>Chamaedorea</i> palms in Mexico	<b>CIBRIAN JARAMILLO, ANGELICA</b>
<b>46</b>	Fine Scale Genetic Population Structure of the Western Spadefoot Toad ( <i>Spea hammondi</i> )	<b>MADISON-VILLAR, MERSEE J</b>
<b>47</b>	EST-derived microsatellites from western corn rootworm and their potential as population genetics markers	<b>KIM, KYUNG SEOK</b> , SUSAN T RATCLIFFE, THOMAS W SAPPINGTON
<b>48</b>	Inference of Human Prehistory in Africa Using Autosomal Linked UEP-STR Systems	<b>GIGNOUX, CHRISTOPHER</b> , MATTHEW JOBIN, MEGAN BAUMGARTNER, JOANNA L MOUNTAIN
<b>Evolution of Sex</b>		
<b>49</b>	Geographic Structure and Selection at the Idh-1 Allozyme Locus in the Striped Ground Cricket, <i>Allonemobius socius</i>	<b>HUESTIS, DIANA L</b>
<b>50</b>	Unraveling the genetic basis of sex determination in the <i>Squalius alburnoides</i> hybrid complex: isolation and expression analysis of candidate genes	<b>PALA, IRENE</b> , MANFRED SCHARTL, MARIA M COELHO
<b>51</b>	Ecological and genetical interactions between asexual and sexual <i>Daphnia pulex</i> (Crustacea; Cladocera)	<b>INNES, DAVID J</b>
<b>52</b>	Multiple origins of new sex-linked chromosomes in the genus <i>Drosophila</i> : a phylogenetic approach	<b>FLORES, SERGIO V</b> , AMY EVANS, BRYANT MCALLISTER
<b>53</b>	Do soil pathogens drive sex-asex dynamics in dandelions?	<b>VERHOEVEN, KOEN</b>
<b>Experimental Evolution</b>		
<b>54</b>	Small populations reach higher peaks on rugged fitness landscapes	<b>HABETS, MICHELLE G</b> , DANIEL E ROZEN, J ARJAN G DE VISSER
<b>55</b>	The consequences of male deprivation: evidence from experimental evolution in <i>Drosophila melanogaster</i>	<b>KUNDAPUR, JESSICA</b>
<b>56</b>	Maternal effects on dispersal and seed mass in the amphicarpic plant, <i>Commelina benghalensis</i>	<b>TSO, SARAH</b>
<b>57</b>	Sex and death in <i>Streptococcus pneumoniae</i>	<b>ROZEN, DANIEL E</b> , OMAR CORNEJO
<b>58</b>	Genetic analysis demonstrating increases in viability due to new beneficial mutations in <i>Drosophila melanogaster</i>	<b>AZAD, PRITI</b> , RONNY C WOODRUFF
<b>59</b>	Male-limited experimental evolution reveals a cost to sex and the sexes.	<b>PRASAD, N G</b> , S BEDHOMME, T DAY, ADAM CHIPPINDALE

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Poster #	Title	Authors
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