

## **DIRECTORS AND SENIOR MANAGEMENT OF BIOTIME, INC.**

### **Senior Management**

1. **Michael D. West, Ph.D.**- Chief Executive Officer and Director
2. **Robert W. Peabody** - Senior Vice-President and Chief Financial Officer
3. **Aditya Mohanty** - Chief Operating Officer
4. **Pedro Lichtinger** - President and Chief Executive Officer of our subsidiary Asterias Biotherapeutics, Inc. (subsidiary of BioTime, Inc.)

### **Board of Directors**

1. **Alfred D. Kingsley** – Chairman of the Board
2. **Michael D. West, Ph.D.**
3. **Neal C. Bradsher, CFA**
4. **Judith Segall**
5. **Stephen C. Farrell** – Audit Committee (Chairman)
6. **David Schlachet** - Compensation Committee, Audit Committee
7. **Michael H. Mulroy**
8. **Stephen L. Cartt** - Compensation Committee
9. **Angus C. Russell**
10. **Deborah Andrews** - Compensation Committee (Chairwoman), Audit Committee

### **Professional Biographies of the Senior Management**

1. **Michael D. West, Ph.D.**, 62, is our Chief Executive Officer and has served on the Board of Directors since 2002. Dr. West also serves as President and Chief Executive Officer and is a director of our subsidiary Asterias Biotherapeutics, Inc. Prior to becoming our Chief Executive Officer, Dr. West served as Chief Executive Officer, President, and Chief Scientific Officer of Advanced Cell Technology, Inc., a company engaged in developing human stem cell technology for use in regenerative medicine. Dr. West also founded Geron Corporation of Menlo Park, California, and from 1990 to 1998 he was a Director and Vice-President, where he initiated and managed programs in telomerase diagnostics, oligonucleotide-based telomerase inhibition as anti-tumor therapy, and the cloning and use of telomerase in telomerase-mediated therapy wherein telomerase is utilized to immortalize human cells. From 1995 to 1998 he organized and managed the research between Geron and its academic collaborators, James Thomson and John Gearhart that led to the first isolation of human embryonic stem and human embryonic germ cells. Dr. West received a B.S. Degree from Rensselaer Polytechnic Institute in 1976, an M.S. Degree in Biology from Andrews University in 1982, and a Ph.D. from Baylor College of Medicine in 1989 concentrating on the biology of cellular aging. Dr. West is an internationally renowned pioneer and expert in stem cell research, and has extensive academic and business experience in age-related degenerative diseases, telomerase molecular biology, and human embryonic stem cell research and development. Dr. West brings to our Board the proven ability to conceive of and manage innovative research and development programs that have made scientifically significant discoveries in the field of human embryonic stem cells, and the ability to build companies focused on the great potential of regenerative medicine.
2. **Robert W. Peabody**, 60, is our Senior Vice-President and Chief Financial Officer. Mr. Peabody also served as our Chief Operating Officer from October 2007 until December 2014, and on an interim basis as our Chief Financial Officer from September 2010 until October 2011. Prior to joining BioTime in October 2007, Mr. Peabody served as a Vice-President of Advanced Cell Technology, Inc. (ACT), and also served on their board of directors from 1998 to 2006. Prior to joining ACT, Mr. Peabody spent 14 years as a Regional Controller for Ecolab, Inc., a Fortune 500 specialty chemical manufacturer and service company. He has also been an audit manager for Ernst and Young where he was a Certified Public Accountant on the audit staff serving the firm's clients whose shares are publicly traded. Mr. Peabody received a Bachelor Degree in Business Administration from the University of Michigan.
3. **Aditya Mohanty**, 48, joined BioTime as its Chief Operating Officer during December 2014. Mr. Mohanty previously served in a number of executive positions at Shire plc, including as President/Head Regenerative Medicine from 2013 to 2014, as Senior Vice President, Business and Technical Operations from 2012 to

2013, as Global Franchise Head MPS from 2010 to 2012, and as Vice President of Operations/Product General Manager from 2005 to 2012. Shire plc is a biotechnology company focused on research, development and commercialization of novel biological products for rare diseases. Mr. Mohanty was VP of Manufacturing and Operations at Transkaryotic Therapies, Inc. from 2002 to 2005 when it was acquired by Shire. Before joining Transkaryotic Therapies, Mr. Mohanty held a number of management positions at Baxter Healthcare Corporation, Bioscience Division from 1990 to 2002. Mr. Mohanty received an MBA degree from Saint Mary's College, an MS in Chemical Engineering from Clarkson University, and a B. Tech in Chemical Engineering from REC Trichy, in India.

4. **Pedro Lichtinger**, 60, became President and Chief Executive Officer of our subsidiary Asterias Biotherapeutics, Inc. during June 2014. Mr. Lichtinger served as President, Chief Executive Officer, and a director of Optimer Pharmaceuticals, Inc., from May 2010 to February 2013. Mr. Lichtinger previously served as an executive of Pfizer, Inc. from 1995 to 2009, including as President of Pfizer's Global Primary Care Unit from 2008 to 2009, Area President, Europe from 2006 to 2008, President, Global Animal Health from 1999 to 2006, and Regional President Europe Animal Health from 1995 to 1999. Before joining Pfizer, Mr. Lichtinger was an executive of Smith Kline Beecham, last serving as Senior Vice-President Europe Animal Health from 1987 to 1995. Mr. Lichtinger presently serves as a director of Asterias and previously served as a director of BioTime and Optimer Pharmaceuticals, Inc. Mr. Lichtinger holds an MBA degree from the Wharton School of Business and an Engineering degree from the National University of Mexico.

### **Professional Biographies of Members of the Board of Directors**

1. **Alfred D. Kingsley**, 72, joined our Board of Directors and became Chairman of the Board during July 2009. Mr. Kingsley is the executive Chairman of five of our subsidiaries. Mr. Kingsley has been general partner of Greenway Partners, L.P., a private investment firm, and President of Greenbelt Corp., a business consulting firm, since 1993. Greenbelt Corp. served as our financial advisor from 1998 until June 30, 2009. Mr. Kingsley was Senior Vice-President of Icahn and Company and its affiliated entities for more than 25 years. Mr. Kingsley is a director of our subsidiary Asterias Biotherapeutics, Inc. Mr. Kingsley holds a BS degree in economics from the Wharton School of the University of Pennsylvania, and a J.D. degree and LLM in taxation from New York University Law School.  
Mr. Kingsley's long career in corporate finance and mergers and acquisitions includes substantial experience in helping companies to improve their management and corporate governance, and to restructure their operations in order to add value for shareholders. Mr. Kingsley developed an intimate knowledge of our business in his role as our financial advisor before he joined our Board. Mr. Kingsley has been instrumental in structuring our equity and debt financings, and in the transition of our business focus into the field of human embryonic stem cell technology, and the business acquisitions that have helped us expand the scope of our business. Mr. Kingsley, along with entities that he controls, is currently one of our largest shareholders.
2. **Michael D. West, Ph.D.** (See above).
3. **Neal C. Bradsher, CFA**, 49, joined our Board of Directors during July 2009. Mr. Bradsher has been President of Broadwood Capital, Inc., a private investment firm, since 2002. Mr. Bradsher holds a B.A. degree in economics from Yale College and is a Chartered Financial Analyst. Mr. Bradsher was a director of Questcor Pharmaceuticals, Inc., from March 2004 until August 2014, when Questcor was acquired by Mallinckrodt plc. Questcor was a biopharmaceutical company focused on the treatment of patients with serious, difficult-to-treat autoimmune and inflammatory disorders. Mr. Bradsher brings to the Board a wealth of experience in finance, management, and corporate governance attained through his successful investments in other companies, including companies in the pharmaceutical, medical device, health care services, and health care information systems sectors. He has worked with several health care companies to improve their management and governance, and served as a director of Questcor Pharmaceuticals, Inc. Entities that Mr. Bradsher controls have invested in most of BioTime's financing transactions over the last several years. Mr. Bradsher is the President of the general partner of Broadwood Partners, L.P., currently our largest shareholder.

4. **Stephen L. Cartt**, 52, joined our Board of Directors during November 2014. Mr. Cartt served as Chief Operating Officer of Questcor Pharmaceuticals, Inc., from February 2012 until August 2014, when the company was acquired by Mallinckrodt plc. Mr. Cartt served as Chief Operating Officer of the Autoimmune and Rare Diseases Business Unit of Mallinckrodt plc on an interim basis following the merger with Questcor from August 2014 until October 2014. Mr. Cartt joined Questcor as Executive Vice President, Corporate Development, during March 2005. He was later appointed Chief Business Officer before being appointed Chief Operating Officer. Mr. Cartt was a private consultant from August 2002 until March 2005. From March 2000 through August 2002, Mr. Cartt was the Senior Director of Strategic Marketing for Elan Pharmaceuticals. Prior to that, Mr. Cartt held a variety of R&D and Commercial positions at ALZA Corporation during the period July 1985 to March 2000. Mr. Cartt holds a B.S. degree from the University of California at Davis in Biochemistry, and an M.B.A. from Santa Clara University.

Mr. Cartt brings to our Board his many years of experience in the pharmaceutical industry, including experience in senior management of a rapidly growing biopharmaceutical company.

5. **Stephen C. Farrell**, 50, joined our Board of Directors during March 2013. Mr. Farrell currently serves as Chief Executive Officer and Director of Convey Health Solutions (formerly known as NationsHealth, Inc.), a healthcare business process outsourcing company headquartered in Fort Lauderdale, Florida. Convey Health Solutions utilizes both technology and staff to manage end-to-end insurance processes for business clients. Before joining Convey Health Solutions in 2011, he served as President of PolyMedica Corporation, a publicly traded provider of diabetes supplies and related services that was acquired in 2007 by Medco Health Solutions. During his eight year tenure at PolyMedica, Mr. Farrell served as its President, Chief Operating Officer, and as Chief Financial Officer, Chief Compliance Officer, and Treasurer. Mr. Farrell previously served as Executive Vice President and Chief Financial Officer of Stream Global Services, Inc., a business process outsourcing company. Earlier in his career, Mr. Farrell served as Senior Manager at PricewaterhouseCoopers LLP. Mr. Farrell holds an A.B. from Harvard University, and an M.B.A. from the Darden School at the University of Virginia. Mr. Farrell served on the board and was chairman of the Audit Committee of Questcor Pharmaceuticals, Inc., a biopharmaceutical company focused on the treatment of patients with serious, difficult-to-treat autoimmune and inflammatory disorders from November 2007 to until August 2014, when Questcor was acquired by Mallinckrodt plc.

Mr. Farrell brings to our Board significant experience in finance, financial reporting, accounting and auditing, and in management as a senior executive of a public healthcare company during a period of significant growth.

6. **Michael H. Mulroy**, 49, joined our Board of Directors during October 2014. Mr. Mulroy is a business consultant and serves as the President of Mulroy Advisors, LLC. Mr. Mulroy served until September 2014 as Executive Vice President – Strategic Affairs and General Counsel of the Autoimmune and Rare Diseases Business Unit of Mallinckrodt plc following its acquisition of Questcor Pharmaceuticals, Inc. in August 2014. Mr. Mulroy was appointed Executive Vice President, Strategic Affairs and General Counsel and Corporate Secretary of Questcor during February 2014, having previously served as Chief Financial Officer, General Counsel and Corporate Secretary since January 2011. From 2003 to 2011, Mr. Mulroy was employed by the law firm of Stradling Yocca Carlson & Rauth, where he served as a partner from 2004, and represented Questcor and other publicly-traded companies. From 1997 to 2003, Mr. Mulroy was an investment banker at Citigroup and Merrill Lynch. From July 2011 to August 2014, Mr. Mulroy served as a member of the Board of Directors of Comarco, Inc., which developed and designed innovative technologies and intellectual property used in power adapters. Mr. Mulroy earned his J.D. degree from the University of California, Los Angeles and his B.A. (Economics) from the University of Chicago.

Mr. Mulroy brings to our Board his experience as a strategic planner and as legal counsel and member of a senior management team of a growing biopharmaceutical company. Mr. Mulroy also brings to our Board his experience in corporate finance and investor relations.

7. **Angus C. Russell**, 59, joined our Board of Directors during December 2014. Mr. Russell served as the Chief Executive Officer of Shire plc, a biopharmaceutical company, from June 2008 to April 2013. Mr. Russell served as the Chief Financial Officer of Shire from 1999 to 2008 and also served as its Principal Accounting Officer and Executive Vice President of Global Finance. Prior to joining Shire, Mr. Russell served at ICI,

Zeneca and AstraZeneca for 19 years, most recently as Vice President of Corporate Finance at AstraZeneca plc. He is a Chartered Accountant, having qualified with Coopers & Lybrand (now PriceWaterhouseCoopers LLP). Mr. Russell also serves as a director of Mallinckrodt plc and TherapeuticsMD, Inc., and as Chairman of the Board of Directors of Revance Therapeutics, Inc. Mr. Russell previously served as a director of Shire plc, Questcor Pharmaceuticals, Inc. until it was acquired by Mallinckrodt plc in August 2014, and InterMune, Inc. prior to its acquisition by Roche Holdings, Inc. during September 2014.

8. **David Schlachet**, 69, joined our Board of Directors during April 2014. Mr. Schlachet serves as a director of several public and private Israeli companies. Mr. Schlachet served as chairman of Syneron Medical Ltd., an Israeli aesthetic medical device company, from April 2013 to February 2014 and prior to that, he served as Syneron Medical's Chief Executive Officer from November 2005 to May 2007, after serving as its Chief Financial Officer beginning in June 2004. From November 2008 to November 2012, Mr. Schlachet served as a director of the Tel Aviv Stock Exchange and Chairman of its Audit Committee. From 2000 to June 2004 Mr. Schlachet served as Managing Partner of Biocom, a venture capital fund specializing in the life sciences field. From 1995 to 2000, Mr. Schlachet served as a Senior Vice President and Chief Financial Officer of Strauss Elite Holdings, an Israeli packaged food group, and from 1997 to 2000 he also served as active Chairman of Elite Industries, an Israeli coffee, confectionary and salty snacks manufacturer. From 1988 till 1995 Mr. Schlachet served as Vice President of Finance and Administration of the Weizmann Institute of Science, Israel's premier post-graduate scientific research institute, and as Chief Executive Officer of its technology transfer company Yeda Research and Development Company, Ltd. Mr. Schlachet serves as a director of Syneron Medical Ltd, EzChip Semiconductor Ltd, Taya Investments Ltd (Chairman), Mazor Robotics Ltd and BioCancell Ltd. Mr. Schlachet also serves as Chairman of the Board of our subsidiary Cell Cure Neurosciences Ltd. Mr. Schlachet holds a B.Sc. degree in chemical engineering and an M.B.A. from the Tel-Aviv University.

Mr. Schlachet brings to our Board many years of experience in management, finance, and investment, including as Chief Executive Officer and Chief Financial Officer of Syneron Medical Ltd, as an executive of the Weizmann Institute and its affiliate Yeda Research and Development, and as Chairman of our subsidiary Cell Cure Neurosciences Ltd. We believe that Mr. Schlachet's experience in finance and industry will be of great value in the management and financing the business of BioTime and our subsidiaries.

9. **Judith Segall**, 61, is our Vice President of Administration and Corporate Secretary, and has served on the Board of Directors from 1990 through 1994, and from 1995 through the present date. She was a co-founder of BioTime in 1990. Ms. Segall is also the Corporate Secretary and a director of our subsidiary Asterias Biotherapeutics, Inc. Ms. Segall received a B.S. in Nutrition and Clinical Dietetics from the University of California at Berkeley in 1989.

As one of our co-founders, Ms. Segall has served on our Board and as an executive for more than 20 years. During that time, she has developed a wealth of knowledge concerning our business operations, financial structure, and institutional relationships, particularly our relationships with the manufacturers and distributors of Hextend®.

10. **Deborah Andrews**, 57, joined our Board of Directors during April 2014. Ms. Andrews has served as Vice President-Chief Accounting Officer of STAAR Surgical Company since 2013, and served as STAAR Surgical's Vice President-Chief Financial Officer from 2005 to 2013, as its Global Controller from 2001 to 2005, and as its Vice President-International Finance from 1999 to 2001. Ms. Andrews previously worked as a senior accountant for a major public accounting firm. Ms. Andrews holds a B.S. degree in Accounting from California State University at San Bernardino. Ms. Andrews brings to our Board significant experience in finance, financial reporting, accounting and auditing, and in management as a senior financial and accounting executive of a public medical device company during a period of significant growth.