



WORLD  
HEALTH  
SUMMIT | 10  
YEARS

SCIENCE · INNOVATION · POLICIES

WORLD HEALTH SUMMIT  
BERLIN, GERMANY  
OCTOBER 14-16, 2018

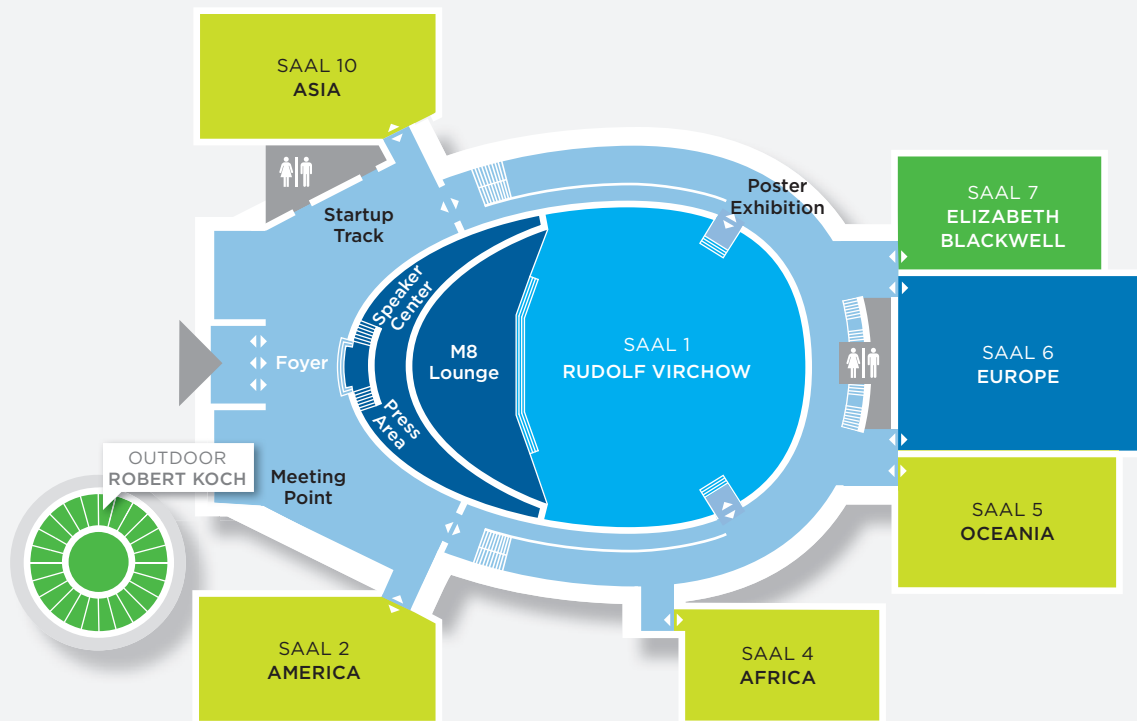
# VENUE

## Kosmos

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Germany

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WORLD HEALTH SUMMIT  
BERLIN, GERMANY  
OCTOBER 14-16, 2018

SUNDAY | OCTOBER 14, 2018

	SAAL 1 RUDOLF VIRCHOW	SAAL 6 EUROPE	SAAL 10 ASIA	SAAL 2 AMERICA	SAAL 4 AFRICA	SAAL 5 OCEANIA
		<b>PD 01   Page 40</b>	<b>WS 01   Page 42</b>	<b>WS 02   Page 44</b>	<b>WS 03   Page 46</b>	<b>WS 04   Page 48</b>
11:00 – 12:30		<b>Migration and Refugee Health</b> <b>M8</b> Alliance University of Montreal	<b>Food Systems, Nutrition and Health</b> InterAcademy Partnership (IAP) German National Academy of Sciences Leopoldina e.V. <b>M8</b> Alliance	<b>Optimizing Health in Aging Societies</b> Kyoto University <b>M8</b> Alliance Max Planck Society National Taiwan University (NTU) University of Rostock	<b>Bridging the Valley of Death</b> European and Developing Countries Clinical Trials Partnership (EDCTP) Foundation for Innovative New Diagnostics (FIND) Max Planck Society	<b>Building the Future of European Health Research</b> European Commission
Lunch Break (90 min)						
		<b>PD 02   Page 50</b>	<b>WS 05   Page 52</b>	<b>WS 06   Page 54</b>	<b>WS 07   Page 56</b>	<b>WS 08   Page 58</b>
14:00 – 15:30		<b>Managing the Next Decade in Cancer</b> International Prevention Research Institute (IPRI) Pfizer	<b>Addressing the Gender Dimensions for Health Systems Strengthening</b> Research in Gender Ethics (RinGs) Women in Global Health	<b>Social Stress, Inequality and Mental Health in Cities</b> Charité – Universitätsmedizin Berlin Fliedner Klinik Berlin <b>M8</b> Alliance	<b>International Life Sciences Location and Infrastructure Management</b> Ministry of Economic Affairs Canton of Bern <b>M8</b> Alliance	<b>Digital Medicine in Real Life</b> Charité – Universitätsmedizin Berlin <b>M8</b> Alliance Sanofi
Coffee Break (30 min)						
		<b>PD 03   Page 60</b>	<b>WS 09   Page 62</b>	<b>WS 10   Page 64</b>	<b>WS 11   Page 66</b>	<b>WS 12   Page 68</b>
16:00 – 17:30		<b>An Integrated Response to Obesity, Diabetes, and NCDs</b> Sanofi The NCD Alliance World Health Organization (WHO)	<b>Respect and Dialogue</b> InterAcademy Partnership (IAP) International Partnership on Religion and Sustainable Development (PaRD)	<b>Ensuring Patient Safety in Hospital Management</b> Charité – Universitätsmedizin Berlin Imperial College London <b>M8</b> Alliance National University of Singapore (NUS)	<b>Falsified and Sub-Standard Medicine</b> Association of Research-based Pharmaceutical Companies (vfa)	<b>Preventing Dementia by Preventing Stroke</b> Charité – Universitätsmedizin Berlin <b>M8</b> Alliance World Dementia Council (WDC) World Stroke Organization (WSO)
	<b>KEY 01   Page 70</b>					
18:00 – 19:30	<b>Opening Ceremony</b> <b>M8</b> Alliance					
19:30 – 22:30	<b>Welcome Reception</b>					

MONDAY | OCTOBER 15, 2018

	SAAL 1 RUDOLF VIRCHOW	SAAL 6 EUROPE	SAAL 10 ASIA	SAAL 2 AMERICA	SAAL 4 AFRICA	SAAL 5 OCEANIA
		<b>PD 04   Page 74</b>	<b>WS 13   Page 76</b>	<b>WS 14   Page 78</b>	<b>WS 15   Page 80</b>	<b>WS 16   Page 82</b>
<b>9:00 – 10:30</b>		<b>Global Health Security</b> Munich Security Conference (MSC)	<b>Growth &amp; Resilience</b> Bill & Melinda Gates Foundation Grand Challenges	<b>One Health</b> Leibniz Association German Federal Ministry of Education and Research (BMBF)	<b>Neglected Tropical Diseases and their Co-Morbidities</b> Association of Research-based Pharmaceutical Companies (vfa) Eberhard-Karls-University Tübingen German Network against Neglected Tropical Diseases (DNTDs) German Society for Tropical Medicine and International Health (DTG) Universitätsklinikum Tübingen	<b>Better Leadership: Improved Health</b> ESMT European School of Management and Technology GmbH InterAcademy Partnership (IAP)

Coffee Break (30 min)

	<b>KEY 02   Page 84</b>	<b>PD 05   Page 86</b>		<b>WS 15a   Page 88</b>	<b>WS 16a   Page 90</b>
<b>11:00 – 12:30</b>	<b>Vaccine Production and Delivery Systems</b> Bill & Melinda Gates Foundation Heidelberg Institute of Global Health PATH	<b>Value Based Health Care</b> National University of Singapore (NUS) <b>MB</b> Alliance		<b>Digital Integration of Surveillance and Outbreak Response Management</b> Helmholtz Centre for Infection Research (HZI)	<b>Disease X</b> German Institute for Defence and Strategic Studies (GIDS) Global Health Security Alliance

Lunch Break (90 min) World Health Summit Startup Track Pitch Competition

	<b>KEY 03   Page 92</b>	<b>PD 06   Page 94</b>		<b>WS 15b   Page 96</b>	<b>WS 16b   Page 98</b>
<b>14:00 – 16:00</b>	<b>Antimicrobial Resistance</b> German Federal Ministry of Education and Research (BMBF) German Center for Infection Research e.V. (DZIF) Robert Koch Institute	<b>Big Data Analytics in Biomedical Research and Healthcare</b> Berlin Institute of Health (BIH) Charité - Universitätsmedizin Berlin <b>MB</b> Alliance		<b>The Beauty of Impact: Disruptive Innovations for Food-Related Health Challenges</b> Bayer Foundations	<b>Healthcare Systems in Latin America</b> Cluster Médico Jalisco AC German Healthcare Partnership (GHP) Joint United Nations Programme on HIV/AIDS (UNAIDS)

Coffee Break (30 min)

	<b>PD 07   Page 100</b>	<b>WS 17   Page 102</b>	<b>WS 18   Page 104</b>	<b>WS 19   Page 106</b>	<b>WS 20   Page 108</b>
<b>16:30 – 18:00</b>	<b>Pandemic Preparedness in the 21<sup>st</sup> Century</b> Federal Ministry for Economic Cooperation and Development (BMZ) KfW Group	<b>Sexual Violence</b> Charité - Universitätsmedizin Berlin <b>MB</b> Alliance	<b>Coordination of Global Health Support</b> German Federal Ministry of Health (BMG)	<b>Hospital Partnerships for Improved Service Delivery</b> Federal Ministry for Economic Cooperation and Development (BMZ) The Else Kröner-Fresenius Stiftung	<b>Antibiotic Research &amp; Development</b> German Federal Ministry of Education and Research (BMBF) German Center for Infection Research e.V. (DZIF) Helmholtz Centre for Infection Research (HZI)

**18:30 – 23:00** World Health Summit Night | Page 34

TUESDAY | OCTOBER 16, 2018

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		<b>PD 08   Page 112</b>	<b>WS 21   Page 114</b>	<b>WS 22   Page 116</b>	<b>WS 23   Page 118</b>	<b>WS 24   Page 120</b>
9:00 – 10:30		<b>Health Systems Strengthening</b> Johns Hopkins Bloomberg School of Public Health <b>M3</b> Alliance	<b>Digital Health in Developing Countries</b> Federal Ministry for Economic Cooperation and Development (BMZ) German Society for International Cooperation (GIZ)	<b>Cities as Drivers of Global Health</b> InterAcademy Partnership (IAP) International Society for Urban Health (ISUH) World Federation of Academic Institutions for Global Health (WFAIGH)	<b>Population based Cohort Studies and Health Prediction</b> Charité – Universitätsmedizin Berlin <b>M3</b> Alliance Max-Delbrück-Centrum für Molekulare Medizin (MDC)	<b>Developing Global Health in Academic Institutions and Medical Centers</b> Charité – Universitätsmedizin Berlin <b>M3</b> Alliance Makerere University Tehran University of Medical Sciences (TUMS)

Coffee Break (30 min)

		<b>PD 09   Page 122</b>	<b>WS 25   Page 124</b>	<b>WS 26   Page 126</b>	<b>WS 27   Page 128</b>	<b>WS 28   Page 130</b>
11:00 – 12:30		<b>Innovation for Impact</b> Bill & Melinda Gates Foundation Grand Challenges	<b>Access to Essential Medicines</b> International Federation of Pharmaceutical Manufacturers & Associations (IFPMA)	<b>Challenges and Breakthroughs on the Road to Universal Health Coverage</b> Federal Ministry for Economic Cooperation and Development (BMZ)	<b>Protecting Public Health following Environmental Disasters</b> London School of Hygiene & Tropical Medicine (LSHTM) <b>M3</b> Alliance Monash University	<b>Medical Research in Outer Space</b> German Aerospace Center (DLR)

Lunch Break (60 min)

	<b>KEY 04   Page 132</b>	<b>PD 10   Page 134</b>	
13:30 – 15:00	<b>Healthy Lives and Well-being for All</b> World Health Organization (WHO) World Health Summit	<b>The Digital Healthcare Revolution</b> Commonwealth Centre for Digital Health Global Digital Health 2030 Innovation Task Force	

Coffee Break (30 min)

	<b>KEY 05   Page 136</b>	
15:30 – 17:00	<b>The SDG3 Global Action Plan for Health and Well-Being</b> World Health Organization (WHO) World Health Summit	

Break / Transfer

	<b>JKEY   Page 138</b>
18:00 – 20:00	<b>Joint Keynote Grand Challenges/World Health Summit @ Estrel Hotel Berlin</b>

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## WELCOME MESSAGE

ANGELA MERKEL



Angela Merkel

Health is our most precious asset. Health is a human right. Health is not only the responsibility of the individual. The international community has set itself the goal of ensuring that every woman, man and child in the world has the chance of a healthy life. The World Health Summit shows that this goal does not have to remain a mere wish. This extraordinary dialogue forum is a particularly rich source of new solutions and ideas of benefit to humankind, so I was happy to take on the patronage of the event once again, along with President Emmanuel Macron and the President of the European Commission, Jean-Claude Juncker.

No matter where people live, health risks and the medical care available determine whether they can live in dignity. In turn, health risks and medical care are influenced by a large number of different factors. Growth and prosperity, crises and conflicts, education and information, the climate and environment, and demographic and social developments all have an impact on the health of the individual. The catalogue of goals in the 2030 Agenda for Sustainable Development highlights correlations and links – and thus also reveals the need for health to play a role in numerous policy fields and shows why we need a global health policy.

It cannot be underlined often enough that in a world of increasing interdependence among the

ways globalization determines the fate of individual countries, joint efforts by the international community and collaboration between the political sphere, academia, the business sector and society are also needed as regards health and quality of life.

Naturally, the priority is that each country ensures it has a functioning and efficient healthcare system. But like other industrialised nations with a strong research sector, Germany has a particular responsibility. Whether we are talking about preventing pandemics, counteracting antimicrobial resistance or tackling neglected diseases, our future global well-being will largely depend on scientific findings. That is why we want to enhance our global health policy endeavours in the field of research and development in particular.

Giving every woman, man and child in the world the chance of a healthy life deserves our full attention, the best ideas and active cooperation. The World Health Summit has proved to be extremely important and helpful in this regard. I am delighted that so many experts will meet here to share their knowledge and experiences and draw up recommendations. All of you are helping to make the world more humane. Thank you for that and welcome to the World Health Summit 2018!

A handwritten signature in black ink, which reads "Angela Merkel". The signature is fluid and cursive.

**Angela Merkel**

Chancellor of the Federal Republic of Germany



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Health is a common good, which has particular value, for each of us, and for the global community. As such, it can bring double returns: investing in health carries benefits both for economic development, and for the progress of humanity. Health is precious and valuable for each individual, and can only be guaranteed through action and commitment on a global scale: that is what we, the international community, set ourselves to achieve through the sustainable development goals.

There have already been great collective successes, which we can build upon. Almost twenty years ago, the international community committed to fighting the three most devastating infectious diseases by launching the Global Fund against AIDS, Tuberculosis and Malaria. France has played a pioneering role in this fight through scientific research, and by promoting the rights of people affected by AIDS, TB and malaria. France is the historical second-largest donor to the Global Fund, contributing €4.2 billion since 2002. On October 10<sup>th</sup>, 2019, France will host the next Global Fund replenishment conference, in order to leverage funds for the 2020–2022 period. This commitment is grounded in our belief in the efficiency of a multilateral and sustainable response to global health issues. I know we share this vision with Germany, host of the World Health Summit, and with many of our partners.

To effectively “Ensure healthy lives and promote well-being for all at all ages” by 2030, we must keep addressing several global health challenges

in an increasingly coordinated and integrated way: health systems strengthening to achieve universal health coverage with access to essential quality medicines and vaccines, response to health emergencies, antimicrobial resistance (AMR), digital health-care revolution, etc.

The “Health in all policies” approach is key to achieve this. In our interconnected world and societies, we will not sustainably improve health without fighting climate change, nor without guarantying access to education and empowering women and girls. This is why protecting our planet and reducing inequalities will be at the heart of France’s G7 presidency.

We will build upon our active involvement through the implementation of health projects in developing countries through the Agence Française de Développement and long-term support to support other key multilateral partnerships – GAVI and UNITAID – as well as the World Health Organization, the lead international organization for global health.

We will keep promoting innovation, critical to achieving our ambitious sustainable development goal for health. We need to move at a quicker pace, we need to achieve more, to be more efficient. We must develop new methods of diagnosis, new drugs and alternative treatments, new approaches in prevention approaches. Innovation



Emmanuel Macron

is also key for ensuring sustainable access to existing therapies for all those in need. This is particularly crucial to improve the response to health emergencies. France is joining the World Health Organisation's efforts by hosting this year's WHO high-level conference on cross-sectoral coordination in response to public health emergencies in Lyon on 3-4 December. It is also crucial to tackle AMR, the global phenomenon currently compromising our collective ability to treat infectious diseases - we believe the integrated One Health approach can be particularly effective in this respect. Collective action is necessary, and France supports the creation by Germany as well as other partners of the "Global AMR R&D HUB".

Over the years, the World Health Summit has become a major forum for addressing global health issues in a cross-cutting manner by bringing together all relevant stakeholders on an international level, especially this year for its tenth anniversary and thanks to the partnership with the Grand Challenge Annual Meeting.

I am proud to give my patronage to this Summit, and would like to join the Chancellor of the Federal Republic of Germany and the President of the European Commission in wishing you all an excellent and productive meeting.

A handwritten signature in black ink, appearing to read 'Emmanuel Macron', with a long horizontal stroke extending to the right.

**Emmanuel Macron**

President of the Republic of France



Jean-Claude Juncker

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It is my great pleasure to offer my patronage once more to the World Health Summit, and to congratulate you on reaching the important milestone of your ten year anniversary. The World Health Summit is in good health!

The European Union is also in better health this year, with economic growth in every Member State, almost 12 million jobs created since this European Commission's mandate began in 2014, and public deficits down from an average of 6.6% in 2009 to 0.8% in 2018. This healthy economic picture matters for our citizens' health, because it allows us to plan for the investments we need to make in our healthcare and social systems, and in research and innovation.

This year the Commission presented its long-term budget proposals for the years 2021-2027. Health will be a strong focus. We have proposed a spending increase of 50% for research and innovation, reflecting the strong added value of European cooperation in this field. For example, major advances have been made on cancer treatment thanks to EU research, and 1.6 million Ebola vaccine doses have already been produced and stockpiled for emergency use thanks to EU funding.

Health is also a dedicated focus of the renewed European Social Fund, which will be worth €101.2 billion over seven years, with the health strand receiving €413 million. We will focus on the priority areas where EU cooperation has a proven benefit: strengthening cross-border

crisis-preparedness, assisting Member States' health authorities, digitising health and care, supporting EU health legislation and enhancing cross-border cooperation, for instance on rare and complex diseases.

In recent months, we have seen a renewed debate and increasing disinformation spread about vaccination. It can be no coincidence that we also see diseases such as measles on the rise in Europe. It is unacceptable that there are still children dying of diseases that should have been eradicated long ago. This is why we are working with all Member States to support national vaccination efforts, and it is why I asked my Health Commissioner Vytenis Andriuskaitis to propose a new set of recommendations in April 2018 to strengthen our efforts to fight diseases which can be prevented by vaccination.

I hope the World Health Summit will stimulate an interesting discussion on these topics, and more, and I wish you all the best for another inspiring gathering and another successful year ahead.

A handwritten signature in black ink, consisting of a stylized 'J' followed by a long horizontal stroke that tapers to the right.

**Jean-Claude Juncker**

President of the European Commission

## WELCOME MESSAGE

### WORLD HEALTH SUMMIT PRESIDENTS

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João Gabriel Silva



Fernando Regateiro



Detlev Ganten

## WELCOME TO THE WORLD HEALTH SUMMIT 2018

Science has to take responsibility! Our common future is already determined by research and by new technologies emerging from new knowledge, and this process continues to gain speed. We have to make sure that today's amazing developments are used to benefit all of humankind. This is what people expect from the progress. Health and wellbeing is what people are most concerned about. Health may be a human right but when it comes to health, the world is in a worrisome state. The chief causes of death are shifting from infectious to non-communicable diseases, while climate change, political instability in many regions, economic crisis, migration and flight are all contributing factors in major health issues.

Meanwhile, the world's population continues to grow and to age. The global burden of disease remains, and is even on the rise in some areas. We are not living up to expectations.

Ever since the first World Health Summit on the occasion of the 300th anniversary of the Charité – Universitätsmedizin Berlin, we have been working towards one goal: improving health for everyone on the planet. We have to respond to the most important global health challenges, and must find fast and efficient ways to bring medical advances to the places where people are in need. But each of us can do very little alone. That's why from the beginning, the World Health Summit has brought

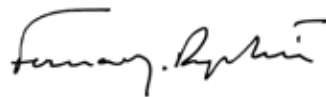
together stakeholders and decision-makers from every sector, from all over the world. By combining forces from academia, the private sector, industry, civil society and politics, we have been able to achieve change and improve health worldwide. And there are now some very promising leads on how we can do even more. Around the globe, the M8 Alliance of Academic Health Centers, Universities and Academies of Medicine and Sciences provide a unique think tank for the World Health Summit program in academic freedom. A milestone – and an encouraging sign – is the prominent position that health topics have assumed on the agendas of the G7 and G20 meetings. From the very beginning, the World Health Summit has enjoyed support from the highest level of politics, with ongoing high patronage from the Chancellor of Germany, the President of the French Republic and the President of the European Commission.

The Sustainable Development Goals (SDGs) and Agenda 2030 provide the framework for a holistic health approach in every area of policymaking. We are glad to see the WHO and other key organizations playing an increasingly supportive and coordinated role in achieving these goals in tandem with the United Nations and the World Health Organization. We need efforts that are transdisciplinary, science-based, cross-sectoral and concerted. They are vital to set the global health agenda for global health for the years to come. Participants from all over the world bring different views, experiences and priorities. They aren't only welcome – they're the very essence of the World Health Summit vision, mission and philosophy. We hope you'll be able to join us on October 14<sup>th</sup> to 16<sup>th</sup> at the World Health Summit in Berlin, as we lay the cornerstones for global health in the coming era!



**João Gabriel Silva**

Acting International President  
Rector, University of Coimbra,  
Portugal



**Fernando Regateiro**

Acting International President  
Chairman of the Board of Directors,  
Coimbra University Hospitals,  
Portugal



**Detlev Ganten**

World Health Summit  
Founding President  
Charité - Universitätsmedizin Berlin  
Germany

# WELCOME MESSAGE

CHARITÉ





Karl Max Einhäupl



Axel Radlach Pries

## DEAR WORLD HEALTH SUMMIT PARTICIPANTS,

As one of the largest and most influential university hospitals in Europe, the Charité - Universitätsmedizin Berlin must strive to secure the very best healthcare for its patients and all those in need of medical treatment. As such, the development of ground-breaking preventive strategies, including innovative diagnostic approaches and therapeutic options, must form an integral component of our ultimate vision. In addition, we must seek to provide the very best education for tomorrow's healthcare workforce and thus stay abreast of new trends and possibilities regarding life-long medical education.

In this context, Berlin is emerging as a new global health hub and the Charité can and must take on a pivotal role in these developments. The Charité's recent decision to establish Charité Global Health

therefore reflects Germany and Berlin's growing commitment towards tackling global health challenges. Charité Global Health will serve as an interdisciplinary center which coordinates and further develops the Charité's global health portfolio whilst simultaneously fostering increased collaborations with national and international stakeholders. This in turn will augment existing policies and thus influence the larger global health agenda. To achieve these major goals, the Charité already collaborates closely with its academic partners in Berlin, within the M8 Alliance and in a national and international context.

For the tenth consecutive year, the World Health Summit unites experts from across the globe, jointly committed to improving the health of the world's population. We are extremely excited to welcome such an array of excellent minds to Berlin and hope that this year's Summit prove inspiring and fruitful.

**Karl Max Einhäupl**  
Chief Executive Officer  
Charité - Universitätsmedizin Berlin

**Axel Radlach Pries**  
Dean  
Charité - Universitätsmedizin Berlin

## KEY FACTS



The World Health Summit is one of the world's most prominent strategic forums for global health. The interdisciplinary event takes place within an atmosphere of academic freedom and is the premier international platform for exploring strategic developments and decisions in the area of healthcare.

### Facts at a glance

- Annual event in Berlin
- Patronage: German Chancellor Angela Merkel, President of the Republic of France Emmanuel Macron and European Commission President Jean-Claude Juncker
- Mission: Improve health all over the world through collaboration and open dialogue
- Participants: 2,000 from 100 countries
- Founded: 2009 on the 300<sup>th</sup> anniversary of the founding of the Charité Hospital
- Organized by the WHS Foundation GmbH, a subsidiary of Charité – Universitätsmedizin Berlin

### Participants

- Top-level researchers and members of the scientific community
- High-profile political decision-makers
- Executives and representatives from the healthcare system
- Leaders of the health-related industry and technology sector
- Representatives of civil society and foundations
- Students and young professionals from all health-related fields

### Website

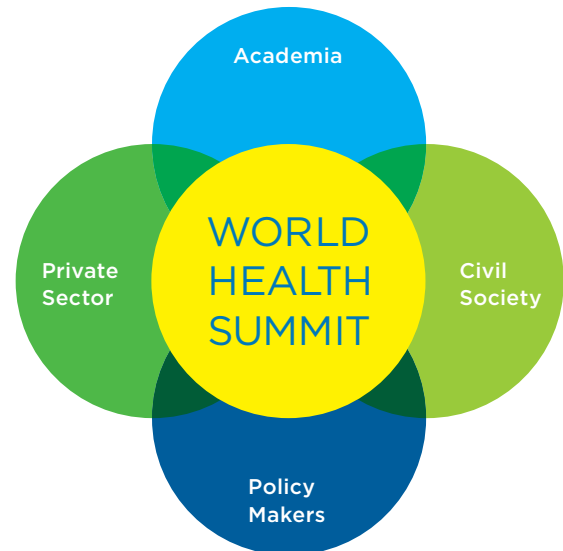
[www.worldhealthsummit.org](http://www.worldhealthsummit.org)

### Social Media

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## VISION AND GOALS

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The World Health Summit is the annual conference of the M8 Alliance of Academic Health Centers, Universities and National Academies. Through the InterAcademy Partnership (IAP), it is organized in collaboration with national academies of science in 97 countries.

The World Health Summit aims to improve health all over the planet, catalyzing that process through collaboration and open dialogue, and steering tomorrow's agenda to improve research, education, healthcare, and policy outcomes.

It brings together researchers, physicians, key government officials, and representatives from industry as well as from NGOs and healthcare systems all over the world to address the most pressing issues facing every facet of healthcare and medicine in the upcoming decade and beyond.

The World Health Summit is built on the stable foundation of academic excellence provided by the M8 Alliance and has strong political support from a variety of partners at global, national and state levels.

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## MAIN GOALS AND PARTNERSHIP ASSETS

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The M8 Alliance is improving global health through pursuit of five strategic goals:

- Bring together all stakeholders at the level of equals
- Establish a unique and sustainable high-level forum and network
- Help define the future of medicine, research and healthcare
- Find answers to major health challenges – both today and tomorrow
- Make global recommendations and set health agendas worldwide

**Pandemic Preparedness**

The ability to prevent, detect, respond to and control outbreaks is a significant investment that many countries are still struggling to make. New financing mechanisms – such as the Pandemic Emergency Financing Facility and WHO's Contingency Fund – are therefore critical to ensuring global health security and saving lives. In this process, domestic financing for preparedness and reliable public health mechanisms pose a key challenge.

**The Sustainable Development Goals:  
Health in All Policies**

The SDGs are an indivisible and interdependent set of goals for sustainable development that are inherently linked with the Health in All Policies approach. This approach provides a tool for finding common ground between economic and social development, environmental sustainability and human health. One of the most important challenges for global health in the coming decade will be to develop synergies between a wide range of SDGs and health.

**Access to Essential Medicines**

Some countries have made substantial progress towards improving access to essential medicines and treatments for fighting HIV/AIDS, malaria and tuberculosis. Even so, access to essential medicines in many parts of the developing world remains inadequate, and new challenges – like access to NCD medicines – have arisen. Recent progress shows that access to essential medicines can be improved through stronger partnerships between governments, pharmaceutical companies, civil society and individual consumers.

**Health Systems Strengthening**

Although we now have a sophisticated arsenal of interventions and technologies for curing disease and prolonging life, gaps in health outcomes continue to widen. The power of existing interventions is not matched by the capacity of health systems to deliver them to those in greatest need, in a comprehensive way and on an adequate scale. Smart investments have to be the centerpiece of domestic policies and financing.

**Antimicrobial Resistance**

Antimicrobial resistance is rising to dangerously high levels all over the world and now threatens our ability to treat common infectious diseases. The global crisis reflects the overuse of common antibiotics, as well as a lack of new compound development on the part of pharmaceutical companies to address the challenge. Fresh efforts have been made recently to coordinate efforts, implement new policies and renew research efforts. But major gaps remain.

**The Digital Healthcare Revolution**

The global population is growing and ageing, and that is having a profound impact on healthcare all over the planet. Meanwhile, new developments in technology are blurring the boundaries between the physical, biological and digital worlds. The goal is now the personalization of medicine – allowing tailored treatments for individual patients based on their unique genetic makeup. This revolution has the potential to provide huge health benefits and empower patients, but it also poses new ethical challenges and could make inequities in healthcare even starker than they are today.



# WORLD HEALTH SUMMIT

## PRESIDENTS



WORLD  
HEALTH  
SUMMIT

### PRESIDENTS 2018



**JOÃO GABRIEL SILVA**  
Rector  
University of Coimbra  
Portugal



**FERNANDO REGATEIRO**  
Chairman of the Board  
of Directors  
Coimbra University Hospitals,  
Portugal



**DETLEV GANTEN**  
Honorary Chairman  
of the Board  
Charité Foundation,  
Germany

### FORMER PRESIDENTS



**2017  
HÉLÈNE BOISJOLY**  
Dean  
Faculty of Medicine,  
University of Montreal,  
Canada



**2016  
ANTOINE FLAHAULT**  
Director  
Institute of Global Health,  
University of Geneva,  
Switzerland



**2015  
SHUNICHI FUKUHARA**  
Dean Emeritus  
School of Public Health,  
Kyoto University,  
Japan



**2014  
JOSÉ OTÁVIO AULER JR.**  
Dean  
Faculty of Medicine,  
University of São Paulo,  
Brazil



**2013  
JOHN EU-LI WONG**  
Chief Executive Officer  
National University  
Health System,  
Singapore



**2012  
MICHAEL J. KLAG**  
Former Dean  
Johns Hopkins Bloomberg  
School of Public Health,  
USA



**2011  
STEVE WESSELINGH**  
Dean  
Monash University,  
Melbourne,  
Australia



**2010  
STEVEN K. SMITH**  
Pro Rector, Health  
Imperial College London,  
United Kingdom



**2009  
AXEL KAHN**  
Dean  
Sorbonne Paris Cité,  
France

**CO-CHAIRS**



**STEFAN KAUFMANN**  
Director  
Max Planck Institute  
for Infection Biology,  
Germany



**FERNANDO REGATEIRO**  
Chairman of the Board  
of Directors  
Coimbra University Hospitals,  
Portugal

The World Health Summit Scientific Committee consists of the M8 Alliance Executive Committee (see page 27) and these members of the World Health Summit Council:

**MEMBERS**



**TILL BÄRNIGHAUSEN**  
Director  
Heidelberg Institute  
of Public Health,  
Germany



**ELIZABETH BLACKBURN**  
Nobel Prize Laureate  
President Emerita  
Salk Institute  
for Biological Studies,  
USA



**THOMAS B. CUENI**  
Director General  
International Federation  
of Pharmaceutical Manu-  
facturers & Associations  
Switzerland



**CHRISTIAN DROSTEN**  
Director, Institute  
of Virology  
Charité - Universitäts-  
medizin Berlin,  
Germany



**BÄRBEL-MARIA KURTH**  
Director,  
Epidemiology and  
Health Monitoring  
Robert Koch Institute,  
Germany



**THOMAS METTENLEITER**  
President  
Institute of Molecular  
Virology and Cell Biology,  
Friedrich-Loeffler-Institut,  
Germany



**MAIKE SANDER**  
Director  
Pediatric Diabetes  
Research Center,  
UC San Diego,  
USA



**GÜNTER STOCK**  
President  
ALLEA  
All European Academies,  
Germany

# WORLD HEALTH SUMMIT

## AMBASSADORS AND COUNCIL



### WORLD HEALTH SUMMIT AMBASSADORS



**EDELGARD BULMAHN**  
Former Federal Minister of  
Education and Research  
Germany



**MANFRED DIETEL**  
Director, Comprehensive  
Cancer Center  
Charité - Universitäts-  
medizin Berlin, Germany



**ECKART VON  
HIRSCHHAUSEN**  
Medical Doctor  
and Cabaret  
Germany



**MICHAEL RABBOW**  
Senior Advisor  
E&P Focus Africa  
Consulting,  
Germany



**HEINZ RIEDERER**  
Managing Director  
iNG innovation.  
Nachhaltigkeit.  
Gesundheit,  
Germany



**REINHARD SCHÄFERS**  
Former Ambassador  
Federal Republic  
of Germany



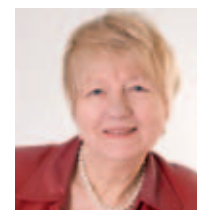
**ANSGAR TIETMEYER**  
Former Head of  
Public Affairs  
Deutsche Bank AG,  
Germany



**CHARLES YANKAH**  
Chairman of the Board  
Afrika Kulturinstitut e.V.,  
Berlin, Germany

### COUNCIL

#### CHAIR



**ILONA KICKBUSCH**  
The Graduate Institute  
of International and  
Development Studies,  
Switzerland

## MEMBERS

**ALA ALWAN**

University of Washington,  
Department of Global Health

**RIFAT ATUN**

Harvard T.H.Chan School  
of Public Health

**TILL BÄRNIGHAUSEN**

Heidelberg University

**HANS-PETER BAUR**

German Federal Ministry for  
Economic Cooperation  
and Development

**INGO BEHNEL**

German Federal Ministry  
of Health

**CHRISTOPH BEIER**

Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit

**CHRISTOPH BENN**

The Global Fund to Fight AIDS,  
Tuberculosis and Malaria

**TOBIAS BERGNER**

German Federal Foreign Office

**ARNAUD BERNAERT**

World Economic Forum

**CATHERINA BÖHME**

Foundation for Innovative New  
Diagnostics

**THOMAS B. CUENI**

Int. Federation of  
Pharmaceutical Manufacturers &  
Associations

**MANFRED DIETEL**

Charité – Universitäts-  
medizin Berlin

**KLAUS DUGI**

Boehringer Ingelheim  
GmbH & Co KG

**TIMOTHY EVANS**

World Bank

**ROLAND GÖHDE**

German Healthcare  
Partnership

**JÖRG HACKER**

German National Academy of  
Sciences Leopoldina e.V.

**ANDREW HAINES**

London School of Hygiene &  
Tropical Medicine

**ZSUZSANNA JAKAB**

World Health Organization

**ASHISH JHA**

Harvard Global Health  
Institute

**STEFAN KAUFMANN**

Max Planck Institute  
for Infection Biology

**SUSANNA KRÜGER**

Save the Children  
Germany

**BÄRBEL KURTH**

Robert Koch Institute

**STEVE LANDRY**

Bill & Melinda Gates  
Foundation

**YVES LEVY**

Institut national de la santé  
et de la recherche médicale

**MARION LIESER**

Oxfam Germany

**KLAUS LINDPAINTNER**

King Abdullah International  
Medical Research Center

**LUIZ LOURES**

UNAIDS

**PHILIPPE MEYER**

Descartes University

**JÜRGEN MLYNEK**

Falling Walls Foundation

**MATSHIDISO REBECCA MOETI**

World Health Organization

**BERND MONTAG**

Siemens Healthineers

**ANDREAS PENK**

Pfizer Germany

**HAGEN PFUNDNER**

Roche Pharma AG

**PETER PIOT**

London School of Hygiene  
and Tropical Medicine

**ERICH REINHARDT**

Medical Valley

**HEINZ RIEDERER**

iNG innovation.  
Nachhaltigkeit. Gesundheit,

**MAIKE RÖTTGER**

Association Development  
and Humanitarian Aid

**MATHIAS SCHELLER**

Albertinen-Diakoniewerk

**HANS J. SCHELLNHUBER**

Potsdam Institute for  
Climate Impact Research

**GEORG SCHÜTTE**

German Federal Ministry  
of Education and Research

**GÜNTER STOCK**

ALLEA All European Academies

**HEIKO WARNKEN**

German Federal Ministry  
for Economic Cooperation  
and Development

**LOTHAR WIELER**

Robert Koch Institute

## M8 ALLIANCE

### MISSION



#### **The M8 Alliance's vision is to harness academic excellence to improve global health.**

The M8 Alliance of Academic Health Centres, Universities and National Academies is a collaboration between academic institutions committed to improving global health. Working together with political and economic decision-makers, its primary goal is to develop science-based solutions to health challenges all over the world.

This international network is the outstanding academic foundation upon which the World Health Summit – the pre-eminent annual forum for healthcare dialogue – is

built. It functions as a permanent platform for framing the future considerations of global medical developments and health challenges in an equitable fashion.

The M8 Alliance promotes both “bench-to-bedside” translation of research and the transformation of current medical care approaches to treating the ill. It is seeking to accomplish this through the creation of a healthcare system focused on the effective prevention of diseases, as well as the adaptation of health-related solutions to rapidly changing living conditions through research in priority areas like shifting demographics, urbanization and climate.





# M8 ALLIANCE

## MEMBER INSTITUTIONS

25

**CHARITÉ**  
 UNIVERSITÄTSGEBIEN-BERLIN

**SORBONNE PARIS CITE**  
 UNIVERSITÉ PARIS 6  
 PENSÉE

**Imperial College**  
 London

**LONDON SCHOOL of**  
 HYGIENE & TROPICAL  
 MEDICINE

**SAPIENZA**  
 UNIVERSITÀ DI ROMA

**COIMBRAHEALTH**  
 COIMBRA ACADEMIC CLINICAL CENTER CHC/UC

**UNIVERSITÉ DE GENÈVE**

**iap** SCIENCE  
 RESEARCH  
 HEALTH  
 the interacademy partnership

**AHCI**  
 Association of Academic Health Centers,  
 International  
*Leading institutions that serve society*

**WEAIGH**

**JOHNS HOPKINS**  
 BLOOMBERG SCHOOL  
 of PUBLIC HEALTH

**Universit  de Montr al**

**IRCM** MONTREAL CLINICAL  
 RESEARCH INSTITUTE

**MEDICINA**  
 USP

**TEHRAN UNIVERSITY**  
 OF  
 MEDICAL SCIENCES

**MAKERERE UNIVERSITY**

**HUG** H pitaux  
 Universitaires  
 G n ve

**GRADUATE INSTITUTE  
 GENEVA**

**ISTANBUL UNIVERSITY**  
 1453

**KYOTO UNIVERSITY**  
 GRADUATE SCHOOL OF MEDICINE

**國立臺灣大學**  
 National Taiwan University

**NUS**  
 National University  
 of Singapore

**MONASH University**

## M8 ALLIANCE

### GOALS

## M8 Alliance

Academic Health Centers, Universities and National Academies

The M8 Alliance is improving global health through pursuit of five strategic goals:

- Developing a worldwide network of academic health science centers, and bringing together universities and healthcare providers;
- Facilitating dialogue through the World Health Summit across a global network of stakeholders who are engaged with academic health science centers. These stakeholders include (among others) individuals and institutions active in government, industry and commerce, inter-governmental agencies, healthcare providers, academies of medicine and science, professional associations and the media;
- Setting an agenda for global health improvement by addressing issues of interest to academic health science centers, and conveying findings and recommendations based on scientific evidence through the generation of key statements;
- Positioning the M8 Alliance as an authoritative, credible and respected influence when it comes to decision-making in global health;
- Creating a knowledge base amongst M8 Alliance members, which directly involves the promotion of mutual learning, research collaboration, the enrichment of educational capabilities and enhanced clinical outcomes.



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**EXECUTIVE COMMITTEE**

---



**JOÃO GABRIEL SILVA**  
**Acting International  
President**

Rector, University of Coimbra,  
Portugal



**FERNANDO REGATEIRO**  
**Acting International  
President**

Chairman of the Board  
of Directors,  
Coimbra University Hospitals,  
Portugal



**DETLEV GANTEN**  
**Founding President**

Charité Foundation,  
Germany



**ALI JAFARIAN**  
**Incoming International  
President**

Chancellor, Tehran University  
of Medical Sciences,  
Iran



**HÉLÈNE BOISJOLY**  
**Past International  
President**

Dean, Faculty of  
Medicine, University  
of Montreal,  
Canada



**AXEL RADLACH PRIES**  
**Dean of Host Institution**

Charité - Universitäts-  
medizin Berlin,  
Germany



**MICHAEL J. KLAG**  
**Strategic Co-operation  
and Stakeholder Liaison**

Former Dean, Johns Hopkins  
Bloomberg School of  
Public Health, Baltimore,  
USA



**BEN CANNY**  
**Governance and  
Fundraising**

Head, School of Medicine,  
University of Tasmania,  
Australia



**JOSÉ OTÁVIO AULER JR.**  
**Officer at large**

Dean, Faculty of Medicine,  
University of São Paulo,  
Brazil




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## M8 ALLIANCE HEADS OF DELEGATION

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### Australia

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**CHRISTINA MITCHELL**

Dean

Monash University, Melbourne

### Brazil

---

**JOSÉ OTÁVIO AULER JR.**

Dean

Faculty of Medicine,  
University of São Paulo

**EDUARDO KRIEGER**

Former President

Brazilian Academy of Sciences

### Canada

---

**HÉLÈNE BOISJOLY**

Dean

Faculty of Medicine,  
University of Montreal

**TARIK MÖRÖY**

President and Scientific Director

Clinical Research Institute Montreal  
(IRCM)

### China

---

**XUETAO CAO**

President

Chinese Academy of Medical Sciences &  
Peking Union Medical College

**DEPEI LIU**

Co-Chair

InterAcademy Partnership (IAP)

### France

---

**GÉRARD FRIEDLANDER**

Dean

Faculty of Medicine, University  
of Paris Descartes

**FRANÇOIS HOULLIER**

Acting President

Université Sorbonne Paris Cité

### Germany

---

**KARL MAX EINHÄUPL**

Chief Executive Officer

Charité - Universitätsmedizin Berlin

**AXEL RADLACH PRIES**

Dean

Charité - Universitätsmedizin Berlin

### Iran

---

**ALI JAFARIAN**

Chancellor

Tehran University of Medical Sciences

**AMIRHOSSEIN TAKIAN**

Chair and Professor

Global Health and Public Policy,  
Ministry of Health and Medical  
Education

### Italy

---

**EUGENIO GAUDIO**

Rector

Sapienza University

**LUCIANO SASO**

Vice-Rector for European  
University Networks

Sapienza University

### Japan

---

**SHUNICHI FUKUHARA**

Dean Emeritus

School of Public Health,  
Kyoto University

### Portugal

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**FERNANDO REGATEIRO**

Chairman of the Board of Directors

Coimbra University Hospitals

**JOÃO GABRIEL SILVA**

Rector

University of Coimbra

### Russian Federation

---

**IVAN DEDOV**

President

Russian Academy  
of Medical Sciences

**EVGENY SIDORENKO**

Vice-President

Russian Academy  
of Medical Sciences

---

## Singapore

**JOHN EU-LI WONG**

Chief Executive Officer

National University Health System  
Senior Vice-President (Health Affairs),  
National University of Singapore

**KHAY GUAN YEOH**

Dean

Yong Loo Lin School of Medicine,  
National University of Singapore

**TEO YIK YIN**

Vice-Dean (Research)

Saw Swee Hock School  
of Public Health  
National University of Singapore

---

## Switzerland

**HENRI BOUNAMEAUX**

Dean

Faculty of Medicine,  
University of Geneva

**ANTOINE FLAHAULT**

Director

Institute of Global Health

**ILONA KICKBUSCH**

Director

Global Health Program,  
Graduate Institute

**BERTRAND LEVRAT**

Chief Executive Officer

Geneva University Hospitals

**NICOLE ROSSET**

Deputy Director,

Geneva University Hospitals (HUG)  
External Affairs and Executive  
Management Member

---

## Taiwan

**CHANG-CHUAN CHAN**

Associate Dean

National Taiwan University

---

## Turkey

**MAHMUT AK**

Rector

Istanbul University

**BAHAÜDDIN ÇOLAKOĞLU**

Dean

Istanbul University,  
Faculty of Medicine

---

## Uganda

**CHARLES IBINGIRA**

Principal

Makerere University

---

## United Kingdom

**PETER PIOT**

Director

London School of Hygiene &  
Tropical Medicine

**ELIO RIBOLI**

Director

School of Public Health,  
Imperial College London

---

## USA

**MICHAEL J. KLAG**

Former Dean

Johns Hopkins Bloomberg  
School of Public Health,  
Baltimore

**ELLEN MACKENZIE**

Dean

Johns Hopkins Bloomberg  
School of Public Health,  
Baltimore

---

## International

**STEVEN L. KANTER**

President &amp; CEO

Association of Academic Health  
Centers (AAHC)

**LEONEL VALDIVIA**

President

World Federation of Academic  
Institutions for Global Health  
(WFAIGH)

---

## Individual Members

**RIFAT ATUN**

Director

Global Health Systems Cluster,  
Harvard T.H. Chan School  
of Public Health, USA

**BEN CANNY**

Head

School of Medicine,  
University of Tasmania,  
Australia





# WORLD HEALTH SUMMIT

## STARTUP TRACK

STARTUP  
TRACK 2018



WORLD  
HEALTH  
SUMMIT

The World Health Summit Startup Track highlights outstanding ideas and innovative business concepts that have the potential to revolutionize healthcare and improve Global Health.

Out of 60 applications from 19 countries, the jury has invited 25 Startups to visit the World Health Summit 2018. Attending the World Health Summit provides young entrepreneurs with three days of access to world leaders from science, industry, politics, and civil society to set up future collaborations and get to know potential mentors, investors and board members.

10 of them will pitch their ideas to the jury and the World Health Summit audience on October 15, from 12:45 to 13:45. The winner will be presented in an award ceremony at the World Health Summit Night that evening.

### Benefits

- Awarded in a ceremony at the World Health Summit Night
- Special access to the World Health Summit and M8 Alliance network
- Exclusive coaching from FLYING HEALTH, one of the leading company builders for health startups in Germany

### Pitch

**Monday, October 15, 12:45**

**Saal 1 | Rudolf Virchow**

### Award

**Monday, October 15, 18:30**

**Saal 1 | Rudolf Virchow**

The winner will be presented with an award at the World Health Summit Night in the evening.

### Jury

**KAI-UWE BINDSEIL**

Berlin Partner

**JUTTA KLAUER**

Pfizer Germany

**TOBIAS KURTH**

Charité – Universitätsmedizin Berlin

**SHARI LANGEMAK**

Physician and Digital Healthcare Expert

**MARKUS MÜSCHENICH**

Flying Health

**THIMO V. SCHMITT-LORD**

Bayer Foundations

**ANNA BABETTE STIER**

German Federal Ministry of Health

**ALF WACHSMANN**

Max Delbrück Center for Molecular Medicine

**UTE E. WEILAND**

Deutschland – Land der Ideen (Speaker)

**ROLF ZETTL**

Berlin Institute of Health






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## THE 10 FINALISTS

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**Caspar Health** | Germany  
Business Area: Telemedicine for musculoskeletal conditions  
[www.caspar-health.com](http://www.caspar-health.com)

**Magnosco GmbH** | Germany  
Business Area: Skin Cancer Detection  
[www.magnosco.com](http://www.magnosco.com)

**DX-Labtrack** | Germany  
Business Area: Blood and Transfusion Safety  
[www.dx-labtrack.com](http://www.dx-labtrack.com)

**Pay It Forward** | USA  
Business Area: STD Testing  
[www.seshglobal.org](http://www.seshglobal.org)



**Eyeluminati** | India  
Business Area: Health and Wellness, Accessibility  
[www.facebook.com/Manovue-367387056758977/?ref=br\\_rs](https://www.facebook.com/Manovue-367387056758977/?ref=br_rs)



**SpotSense** | India  
Business Area: Medical Diagnostics  
[www.spotsense.in](http://www.spotsense.in)

**ImmunifyMe** | Sri Lanka  
Business Area: Medi Tech  
[www.immunify.me](http://www.immunify.me)



**Strand Therapeutics Inc.** | USA  
Business Area: Cancer Immunotherapeutics  
[www.strandtx.com](http://www.strandtx.com)



**inveox GmbH** | Germany  
Business Area: Digital Drug / Depression Therapy  
[www.inveox.com](http://www.inveox.com)

**Wulira App** | Uganda  
Business Area: Health Technology  
[www.wuliraapp.com](http://www.wuliraapp.com)



[www.worldhealthsummit.org/initiatives/startup-track.html](http://www.worldhealthsummit.org/initiatives/startup-track.html)

# WORLD HEALTH SUMMIT

## NIGHT

**Monday, October 15, 18:30**  
**Saal 1 | Rudolf Virchow**

The World Health Summit Night as the central networking event hosts the award ceremony of the Startup Track.





NEW VOICES  
IN GLOBAL  
HEALTH 2018



WORLD  
HEALTH  
SUMMIT

October 14–16, 2018, 09:00–18:00  
In front of Saal 7 | Elizabeth Blackwell

**The New Voices in Global Health initiative promotes the active participation of young scientists in the World Health Summit. It is supported by the M8 Alliance of Academic Health Centers, Universities and National Academies. It is aimed at empowering research, policy and advocacy initiatives among future leaders in global health, who are invited to send in abstracts of their scientific work and ideas.**

**The World Health Summit Scientific Committee (see page 21) identified the best applications based on international academic standards. The selected candidates will be able to display their work in a special poster exhibition, thus playing an active role in the World Health Summit.**

The selected New Voices in Global Health are:

**Faith Agbozo, Abdulai Abubakari and Albrecht Jahn**

Institute of Public Health, Heidelberg University Medical Faculty, Germany

Is there need to reconsider screening procedures for gestational diabetes mellitus at lower level facilities? Evidence from a diagnostic accuracy study

**Syeda Akila Ally**

University of Chicago

Suicide as a Mental Health Outcome:  
A Case Study of South Asia's Mental Health Policy and Infrastructure

**Rebecca Racheal Apolot**

Makerere University School of Public Health

The Game Changers: Breaking Through Resource Limitation to Ebola Control by Community Structures: The Case of Bombali District - Sierra Leone

**Franz Castro**

[Gorgas Memorial Institute for Health Studies](#)

Determinants of under-5 mortality reduction in Central America: a secondary analysis from the GBD Study data

**Moyukh Chowdhury**

[Umeå University](#)

AMR-Watch: A pilot study to initiate Antimicrobial Resistance surveillance system in North-eastern Bangladesh

**Kealoha Fox**

[Office of Hawaiian Affairs](#)

Health in All Policies Legislation that Integrates Cultural Values with State Government Planning

**Berit Sofie Hustad Hembre**

[The Norwegian Institute of Public Health](#)

Access to medicines and structural power: The perceived role of the state and emerging state actors in landmark reports

**Connor Rochford**

[University of Oxford](#)

A One Health Approach to the Global Governance of Antimicrobial Resistance - review of evidence and three possible models

**Hannah Thomas**

[NIHR Unit of Global Surgery \(Universities of Birmingham, Edinburgh and Warwick\), Clinical Surgery, University of Edinburgh, Edinburgh, UK](#)

Safety Processes Undermined During Surgical Emergencies? A Comparison of WHO Surgical Safety Checklist Use and Outcomes in a Large, Multinational Cohort of Surgical Patients

**Tran Thu Ngan, Do Van Vuong,****Nguyen Tuan Lam, Hoang Van Minh**

[Hanoi University of Public Health and World Health Organization-Vietnam Office](#)

Willingness to participate and pay for smoking cessation service through text-messaging in Vietnam



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PROGRAM

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**SUNDAY, OCTOBER 14**

PD 01

SAAL 6 | EUROPE  
11:00 – 12:30



PANEL DISCUSSION

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## MIGRATION AND REFUGEE HEALTH

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HOSTS

M8 Alliance:  
**University of Montreal**

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More people are on the move now than ever before. There are an estimated 1 billion migrants in the world today of whom 258 million are international migrants and 763 million internal migrants – one in seven of the world's population. 65 million of the world's internal and international migrants are forcibly displaced today. This rapid increase of population movement has important public health implications, and therefore requires an adequate response from the health sector. Challenges to migrant health can be attributed to many factors, including lack of access to health services, absence of financial protection, and discrimination.

Although the number of people seeking refuge is the highest in developing countries, the rapid increase of refugees to Europe over the past two years has altered the political landscape and will have a lasting impact for many years to come. During this politically turbulent time, the health of refugees must continue to be viewed as important to governments worldwide. New strategies and ways to support migrant health must be discussed and based on ratified international human rights standards.



**CHAIR****Hélène Boisjoly**

University of Montreal |  
Dean of Medicine | Canada

**SPEAKERS****Mina Barling**

IPPF The International Planned  
Parenthood Federation |  
External Relations Division | Director |  
United Kingdom

**Zsuzsanna Jakab**

World Health Organization (WHO) |  
Regional Director for Europe | Denmark

**Susanna Krüger**

Save the Children Germany | CEO |  
Germany

**Karlee Silver**

Grand Challenges Canada | Programs |  
Vice President | Canada

**Elhadj As Sy**

International Federation of the  
Red Cross (IFRC) | Secretary General |  
Switzerland



Mina  
Barling



Susanna  
Krüger



Hélène  
Boisjoly



Karlee  
Silver



Zsuzsanna  
Jakab



Elhadj As  
Sy

## WS 01

SAAL 10 | ASIA  
11:00 – 12:30



### WORKSHOP

## FOOD SYSTEMS, NUTRITION AND HEALTH

### HOSTS

M8 Alliance:  
**InterAcademy  
Partnership (IAP)**

M8 Alliance:  
**German National Academy of Sciences  
Leopoldina e.V.**

Malnutrition in its various forms is a problem faced by all countries. Major challenges for delivering food and nutrition security are compounded by pressures of a growing population, urbanization, climate change, inequality and market instability. The Sustainable Development Goals provide a key framework for addressing the challenges of malnutrition and they mandate fresh engagement by science to resolve complexities of evidence-based policies and programs.

The InterAcademy Partnership project initiated four regional working groups in Africa (NASAC), Asia (AASSA), the Americas (IANAS) and Europe (EASAC) to explore scientific opportunities for sustainable production and healthy diets. The integrative food systems approach included all the steps involved from growing through to processing, trans-

porting, trading, purchasing and consuming food, examining issues for resource efficiency, environmental sustainability, resilience and the public health agenda, while also taking account of local-global interconnectedness of systems.

The published four regional reports are being discussed with national and regional policy makers and are also serving as a collective resource to prepare a fifth, global report. In this session we will discuss some of the emerging regional and global conclusions for food and nutrition security with particular regard to the linkages to health and wellbeing. We emphasize that it is vital to be more ambitious in identifying scientific opportunities and in mobilizing the resource from research and innovation in engagement between the scientific community, policy makers and other stakeholders.

**CHAIRS****Jörg Hacker**

German National Academy of Sciences  
Leopoldina | President | Germany

**Volker ter Meulen**

InterAcademy Partnership (IAP) |  
President

**SPEAKERS****Volker ter Meulen**

InterAcademy Partnership (IAP) |  
President

**Introduction to the Project****Robin Fears**

European Academies Science Advisory  
Council | Bioscience Programme  
Secretary | United Kingdom

**Perspectives in Europe****Mohamed H.A. Hassan**

Sudanese National Academy of Science |  
Executive Committee | Sudan

**Perspectives in Africa****Joachim von Braun**

Rheinische Friedrich-Wilhelms-  
University Bonn | Center for Develop-  
ment Research | Director | Germany

**Global Analysis and Synthesis of Issues****Jörg Hacker**

German National Academy of Sciences  
Leopoldina | President | Germany

**Closing Remarks**

Robin  
Fears



Volker  
ter Meulen



Jörg  
Hacker



Joachim  
von Braun



Mohamed H.A.  
Hassan

## WS 02

SAAL 2 | AMERICA  
11:00 - 12:30



**M8Alliance**  
Academic Health Centers, Universities and National Academies

### WORKSHOP

## OPTIMIZING HEALTH IN AGING SOCIETIES

### HOSTS

**University of Rostock**

M8 Alliance:

**Kyoto University**

M8 Alliance:

**National Taiwan University (NTU)**

**Max Planck Society**

Below-replacement fertility and rising life expectancy primarily due to survival improvements among people at advanced ages lead to population aging in many parts of the world. This continuously increasing proportion of the elderly requires new strategies in virtually every field of public policy, probably most prominently for health care.

The workshop seeks to provide a framework for potential pathways for health developments, starting with a presentation of recent research on mortality among the elderly.

The focus in the subsequent presentations and discussions of this workshop will be on populations that are at the forefront of aging: Japan, East Asia as well as the Nordic European countries.

What health trends can we observe and how are societies dealing with current and future challenges to health care are only two questions that will be addressed throughout the workshop

**CHAIRS****Roland Rau**

University of Rostock | Professor of  
Demography | Germany  
Max Planck Institute for Demographic  
Research | Fellow | Germany

**Shunichi Fukuhara**

Kyoto University | School of Public  
Health | Dean Emeritus | Japan

**SPEAKERS****Elisabetta Barbi**

Sapienza University of Rome |  
Associate Professor of Demography |  
Italy

**The Plateau of Human Mortality****Shou-Hsia Cheng**

National Taiwan University |  
College of Public Health | Professor  
and Associate Dean | Taiwan

**The Performance of Hospital Care  
for the Elderly in Asian Countries:  
The Case of Hip Fracture Surgery****Jun Miyashita**

Kyoto University Graduate School  
of Medicine | Assistant Professor of  
Medicine | Japan

**Who Desires Early Advance Care  
Planning? Strategies for Having  
a Good End of Life in Aging Societies****Karin Modig**

Karolinska Institutet | Institute of Environ-  
mental Medicine | Assistant Professor |  
Sweden

**Health of the Ageing Population –  
Time Trends, Current Status and Future  
Perspectives. Examples from the  
Nordic Countries**

Elisabetta  
Barbi

Jun  
Miyashita



Shou-Hsia  
Cheng

Karin  
Modig



Shunichi  
Fukuhara

Roland  
Rau

## WS 03

SAAL 4 | AFRICA  
11:00 – 12:30



### WORKSHOP

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## BRIDGING THE VALLEY OF DEATH

Keeping the Pipeline Alive for Novel Intervention Measures  
Against Poverty-Related Diseases

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### HOSTS

**European and Developing Countries Clinical Trials Partnership (EDCTP)**

**Foundation for Innovative New Diagnostics (FIND)**

**Max Planck Society**

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Although infectious diseases remain a major health threat, the pipeline for novel intervention measures has come to a standstill. The situation has been further worsened by the profound increase of antimicrobial resistant pathogens and increasing occurrence of outbreaks with pandemic risk.

Hence, better vaccines, drugs and diagnostics are urgently needed. This is particularly true for poverty-related diseases (PRDs) including the Big Three:

tuberculosis, HIV/AIDS and malaria, and neglected diseases. It has become obvious that public and private funded institutions need to form partnerships to accelerate this process.

This workshop will discuss general strategies for, and more specific examples, of the clinical development of novel intervention measures and their optimization to key populations, aimed at accomplishing this goal with a particular focus on PRDs.

## CHAIRS

**Stefan H.E. Kaufmann**

Max Planck Institute for Infection Biology |  
Department of Immunology | Director |  
Germany

**Michael Makanga**

European and Developing Countries  
Clinical Trials Partnership (EDCTP) |  
Executive Director | Netherlands

## SPEAKERS

**Catharina Boehme**

Foundation for Innovative New  
Diagnostics (FIND) | CEO | Switzerland  
**Overcoming the 2 Valleys of Death in  
Infectious Diseases Diagnostics**

**Ambassador Harald Braun**

Germany's former Permanent  
Representative to the United Nations  
**Latest News from the UN General  
Assembly First-Ever High-level Meeting  
on Ending Tuberculosis (TB)**

**Mutsa Bwakura-Dangarembizi**

University of Zimbabwe | Department  
of Paediatrics and Child Health |  
Senior Lecturer | Zimbabwe  
**HIV Treatment in Children**

**Gérard Krause**

Helmholtz Centre for Infection Research  
(HZI) | Department for Epidemiology |  
Head | Germany  
**The Need for an Integrated Surveillance  
Outbreak Response Management and  
Analysis System (SORMAS)**

**Michael Makanga**

European and Developing Countries  
Clinical Trials Partnership (EDCTP) |  
Executive Director | Netherlands  
**The Role of EDCTP in PRDs  
Research & Development**

**Umesh Shaligram**

Serum Institute of India Pvt. Ltd. |  
Director Research & Development | India  
**Companies, Vaccines and a Novel TB  
Vaccine**

**Feiko ter Kuile**

Liverpool School of Tropical Medicine |  
Chair in Tropical Epidemiology |  
United Kingdom  
**Challenges and Progress in the  
Treatment and Prevention of Malaria  
in Pregnancy**



Catharina  
Boehme



Gérard  
Krause



Harald  
Braun



Michael  
Makanga



Mutsa Bwakura-  
Dangarembizi



Umesh  
Shaligram



Stefan H.E.  
Kaufmann



Feiko  
ter Kuile

## WS 04

SAAL 5 | OCEANIA  
11:00 – 12:30



### WORKSHOP

## BUILDING THE FUTURE OF EUROPEAN HEALTH RESEARCH

### HOST

#### European Commission

The healthcare sector is the largest economic sector in the EU. Health is also one of the most important concerns of European citizens.

Europe leads in many areas of research and has developed powerful models of cross-border, cross-sectoral research cooperation. These have helped to increase the EU's attractiveness as a place for research and innovation, produced high-quality patents and created jobs and growth. However, innovation in health is characterized by a unique set of challenges, such as the multifaceted interaction between research, innovation, patient care and population health and complex regulatory and reimbursement systems. At the same time, advances in precision medicine and the use of health data create a wealth of opportunities.

In order for innovation to occur and become available and accessible to all European citizens in an equitable manner, governance and management of public investment in health research need to be impact and patient oriented, inclusive and holistic.

The Scientific Panel for Health, one of the expert groups tasked by the Commission, has proposed the creation of a European Council for Health Research to fulfill the above criteria. The session will compare different international models of organizing public investment in health research and focus on the impact on public health and health care.



**CHAIR****Karin R. Sipido**

European Commission | Scientific Panel for Health | Chair | Belgium

**SPEAKERS****Ildikó Horváth**

Semmelweis University | Department of Pulmonology | Professor | Hungary

**Anna Lönnroth Sjöden**

European Commission | Directorate-General for Research and Innovation | Directorate E-Health | Unit 1 – Strategy | Head of Unit | Belgium

**Bernd Stowasser**

Sanofi | Global Head of Public Private Partnerships Alliance Management | Germany

European Federation of Pharmaceutical Industries and Associations (EFPIA) | Member of Innovative Medicines working group | Germany

**Mats Ulfendahl**

Regional Council of Östergötland | Director of Research | Sweden

**DISCUSSANTS****Laurent Degos**

Institut Pasteur | Vice-President | France

**Tarik Möröy**

Institut de Recherches Cliniques de Montréal (IRCM) | President and Scientific Director | Canada

**Axel Radlach Pries**

Charité – Universitätsmedizin Berlin | Dean | Germany



Ildikó  
Horváth

Karin R.  
Sipido



Tarik  
Möröy

Bernd  
Stowasser



Axel Radlach  
Pries

Mats  
Ulfendahl



Anna  
Lönnroth Sjöden

## PD 02

SAAL 6 | EUROPE  
14:00 – 15:30



### PANEL DISCUSSION

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## MANAGING THE NEXT DECADE IN CANCER

Innovation meets Growing Inequalities

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### HOSTS

**International Prevention Research Institute (iPRI)**

**Pfizer**

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In the next decade medical progress in treating cancer will potentially redefine life with this disease. Upcoming innovations will improve the treatment in many cancers. Further, better understanding and new forms of research due to e.g. “Big Data” will make us know “which drugs to give to which patients” and which treatment will be most effective and best for patients. The health care systems will have to meet the challenge to ensure fast access to these innovations: By 2030, the global burden of cancer is expected to grow to 21.7 million new cancer cases and 13 million cancer deaths simply due to the growth and aging of the population.

But recent OECD publications show a growing inequality around the world –

the drivers are globalization, skill-biased technological change and changes in countries’ policy approaches. Inequalities in health status are due to many factors, including differences in living and working conditions and in behavioral factors, but also in access to and quality of health care. Despite significant progress in most countries, access to quality health care varies across the socio-demographic groups, including by sex, age, geographic area and for financial and non-financial reasons.

These growing inequalities lead to a poor translation of innovation in cancer care into health care systems in diverse communities, it hampers the impact of innovative treatments and precision medicine advances.

**CHAIRS****Andreas Penk**

Pfizer Germany GmbH | Oncology |  
Regional President | Germany

**Peter Boyle**

International Prevention Research  
Institute (iPRI) | President | France

**SPEAKERS****Peter Boyle**

International Prevention Research  
Institute (iPRI) | President | France

**Richard Sullivan**

King's College London |  
Institute of Cancer Policy | Director |  
United Kingdom

**Julie S. Torode**

Union for International Cancer Control  
(UICC) | Director of Special Projects |  
Switzerland

**Sabine Vogler**

Gesundheit Österreich GmbH |  
WHO Collaborating Centre for Pharma-  
ceutical Pricing and Reimbursement  
Policies | Head | Austria

**Dazhu Yang**

International Atomic Energy Agency |  
Deputy Director General



Peter  
Boyle



Julie S.  
Torode



Andreas  
Penk



Sabine  
Vogler



Richard  
Sullivan



Dazhu  
Yang

## WS 05

SAAL 10 | ASIA  
14:00 – 15:30



### WORKSHOP

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## ADDRESSING THE GENDER DIMENSIONS FOR HEALTH SYSTEMS STRENGTHENING

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### HOSTS

**Research in Gender Ethics (RinGs)**

**Women in Global Health**

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This workshop will utilize didactic and interactive learning techniques. Key representatives from Women in Global Health, RinGs and the Global Health Workforce Network Gender Equity Hub will present key findings on the barriers, as well as solutions to gender transformative health systems policies. The panelists will draw from key findings in the working paper being developed by the Gender Equity Hub, as well as panelists' own work and research.

Following the initial presentations, audience members will be engaged in breakout sessions. These breakout sessions will be interactive dialogues where facilitators will lead participants through exercises on how to implement gender transformative policies for the health workforce and in turn how to address the gendered dimensions of health systems strengthening.

**CHAIR****Roopa Dhatt**

Women in Global Health | Initiative Director & Co-Founder |  
United States of America

**SPEAKERS****Evelyn Kabia**

KEMRI-Wellcome Trust |  
Health Economics Research Unit |  
Assistant Research Officer | Kenya

**Rosemary Morgan**

Johns Hopkins Bloomberg School of  
Public Health | International Health |  
Assistant Scientist |  
United States of America

**Christina Schrade**

SEEK Development | Managing Director |  
Germany

**Kelly Thompson**

Women in Global Health | Gender  
Specialist | United States of America



Roopa  
Dhatt



Christina  
Schrade



Evelyn  
Kabia



Kelly  
Thompson



Rosemary  
Morgan

## WS 06

SAAL 2 | AMERICA  
14:00 – 3:30



### WORKSHOP

## SOCIAL STRESS, INEQUALITY AND MENTAL HEALTH IN CITIES

### HOSTS

**Fließner Klinik Berlin**

M8 Alliance:

**Charité – Universitätsmedizin Berlin**

Urbanization is one of the most significant global changes with an enormous health impact within the next decades. According to the United Nations projections two-thirds of the urban population will be living in cities. At the same time city living and urban upbringing can affect the mental health of urban dwellers through social stressors and subsequently increase the risk for mental-ill health. Social stress in urban environments may result from high social density and overcrowding, social isolation and excessive within-city inequality. Identifying populations who are particularly at risk for social stress in urban environments and who do not have adequate access to the urban advantage seems therefore key.

However, cities keep attracting people as they promise improved standards of living,

better access to education, wealth, sanitation and health care and offer a broader cultural diversity. Health researchers, urban planners and governmental authorities have largely failed to develop public mental health strategies for the growing cities in all parts of our world. Such a strategy should particularly address at-risk populations with their increased exposure to urban stressors and recommend strategies to facilitate overall access to the urban advantage.

This workshop will identify the major health-relevant social stressors and at-risk populations for stress-dependent mental-ill health, and discuss approaches towards a public mental health strategy for urban environments.

**CHAIR****Mazda Adli**

Fliedner Klinik Berlin | Chair | Germany  
 Charité – Universitätsmedizin Berlin |  
 Mood Disorder Research Group | Director | Germany

**SPEAKERS****Carlos Dora**

World Health Organization (WHO) |  
 Department of Public Health and  
 Environment | Coordinator | Switzerland

**Ulrike Kluge**

Charité Universitätsmedizin Berlin |  
 Department of Psychiatry and  
 Psychotherapy | Intercultural Center for  
 Psychiatry and Psychotherapy (ZIPP) |  
 Director | Germany

**Faraaz Mahomed**

Open Society Foundations | Mental  
 Health and Rights | Program Officer |  
 United States of America

**François Pelletier**

United Nations | Department of  
 Economic and Social Affairs (DESA) |  
 Chief of Population Estimates  
 and Projections Section |  
 United States of America

**Sahar Samavati**

Tarbiat Modares University | Iran



Mazda  
Adli



Faraaz  
Mahomed



Carlos  
Dora



François  
Pelletier



Ulrike  
Kluge



Sahar  
Samavati

## WS 07

SAAL 4 | AFRICA  
14:00 – 15:30



**Kanton Bern  
Canton de Berne**

**M8Alliance**  
Academic Health Centers, Universities and National Academies

### WORKSHOP

## INTERNATIONAL LIFE SCIENCES LOCATION AND INFRASTRUCTURE MANAGEMENT

Best Practices from Around the World

### HOSTS

**Ministry of Economic Affairs  
Canton of Bern**

**M8 Alliance**

In the context of the World Health Summit 2018, the Ministry of Economic Affairs of the Canton of Bern, Switzerland, will host a workshop on the topic of “International Life Sciences Location and Infrastructure Management: Best Practices from Around the World”.

The fact that a Ministry of Economic Affairs puts this health policy issue at the center of attention is an important strategy of the Canton of Bern. We believe that the conventional, more or less strictly differentiation of responsibilities by department (economy, science, health, finance, etc.) is in some fields not enough result-oriented

and must be overcome, if the overall goal is to provide medicine and medical research as a central driver of social change and as a backbone of health-oriented developed societies. The location strategy for medicine and medical research, which the Canton of Bern and the Swiss capital region advances nationally and internationally, therefore follows the guiding principle “Health in All Policies”, surely also in regional economic policy. The new medical and health Campus in Bern is of national importance. All political forces are brought together to raise successfully an open-oscillating functional system of research, translational medicine and care.

### CHAIRS

**Ralph Kray**

Canton of Bern | Ministry of Economic Affairs | Head of International Affairs | Switzerland

**André Nietlisbach**

Canton of Bern | Ministry of Economic Affairs | Secretary General | Switzerland



**SPEAKERS****Barkin Arak**

Boğaziçi University |  
Technology Transfer Office |  
Entrepreneurship & Innovation  
Manager | Turkey

**Timuçin Bilgör**

BUMED Business Angels  
(BUBA) | President | Turkey

**José Otávio Costa Auler Jr.**

University of São Paulo | Faculty  
of Medicine | Dean | Brazil

**Uwe Jocham**

Insel Gruppe AG | CEO and  
Chairman of the Board of  
Directors | Switzerland

**Fabian Käsermann**

CSL Behring AG | Associate  
Director & Head of Preclinical  
Innovation | Switzerland

**Depei Liu**

Chinese Academy of Medical  
Sciences (CAMS) & Peking  
Union Medical College (PUMC) |  
Former President | China  
Chinese Academy of Engineer-  
ing | Former Vice-President |  
China

**Richard B. Markham**

Johns Hopkins Bloomberg  
School of Public Health |  
Molecular Microbiology and  
Immunology | Faculty Director |  
United States of America

**Fernando J. Regateiro**

Coimbra Hospital and  
University Centre (CHUC) |  
Administration Board |  
Chairman | Portugal

**DISCUSSANTS****Peter Agre**

Johns Hopkins Bloomberg  
School of Public Health |  
Johns Hopkins Malaria Research  
Institute | Director |  
United States of America

**Ozan Alptekin**

BiSU | CTO | Turkey

**Erşen Kavak**

Genomize Inc. | CEO | Turkey

**Ihsan Solaroglu**

Koç University | School of  
Medicine | Associate Dean for  
Research | Turkey



Peter  
Agre



Uwe  
Jocham



Richard B.  
Markham



Barkin  
Arak



Fabian  
Käsermann



André  
Nietlisbach



José Otávio Costa  
Auler Jr.



Ralph  
Kray



Fernando J.  
Regateiro



Timuçin  
Bilgör



Depei  
Liu

## WS 08

SAAL 5 | OCEANIA  
14:00 - 15:30



### WORKSHOP

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## DIGITAL MEDICINE IN REAL LIFE

The Use of Digital to Improve Patient Outcome from Research to Real World

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### HOSTS

M8 Alliance:  
**Charité - Universitätsmedizin Berlin**

**Sanofi**

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Collecting and analyzing the increasing amount of data from patients' daily life is essential for improving care management. While the generation, integration and analyses of data from real life, randomized clinical trials, electronic medical records and public data is opening new ways for future treatments, the active involvement of all stakeholders (patients, physicians and the pharmaceutical industry but also regulators, payers and public health officials) remains essential if we

want to build a new frame for healthcare innovation and evaluation.

This panel aims to focus on the opportunities afforded by incorporating concepts like Big Data, digital health, machine learning, and artificial intelligence (AI) and understand how to lift through a concerted effort between the various parts of the healthcare ecosystem, the challenges and obstacles which remain.

**CHAIRS****Stefan Willich**

Charité Universitätsmedizin Berlin |  
Institute for Social Medicine,  
Epidemiology and Health Economics |  
Director | Germany

**Bernard Hamelin**

Sanofi | Global Head of Medical Evidence  
Generation | France

**SPEAKERS****Nikolai Brun**

Danish Medicines Agency |  
Medical Evaluation & Biostatistics |  
Director of Division | Denmark

**Laurent Doyen**

French Diabetes Federation | Member  
of the Board of Directors | France

**Bernard Hamelin**

Sanofi | Global Head of Medical  
Evidence Generation | France

**Alex Silverstein**

NHS North West London Collaborative  
of Clinical Commissioning Groups |  
Diabetes Education and Engagement  
Lead | United Kingdom

**Bernhard Tilg**

Member of the Provincial Government  
of Tyrol | Austria



Nikolai  
Brun



Alex  
Silverstein



Laurent  
Doyen



Bernhard  
Tilg



Bernard  
Hamelin



Stefan  
Willich

PD 03

SAAL 6 | EUROPE  
16:00 – 17:30

SANOFI 



PANEL DISCUSSION

## AN INTEGRATED RESPONSE TO OBESITY, DIABETES, AND NCDs

Opportunities to Accelerate National Action

HOSTS

Sanofi

The NCD Alliance

World Health Organization (WHO)

Noncommunicable diseases (NCDs) are now widely recognized as a major challenge to health and sustainable human development in the 21<sup>st</sup> century. As the leading cause of death and disability worldwide, NCDs exact a heavy and growing toll on the health and economic security of all countries and disproportionately impact the most vulnerable in particular in low- and middle-income countries. Without coordinated action at the highest political level, the escalating burden and cost of NCDs will weigh heavy across all pillars of sustainable development.

NCD investments, similar to investments in communicable diseases, antimicrobial resistance, maternal and child health and climate change, are investments in countries' futures. Premature mortality and disability due to NCDs are largely preventable and cost-effective solutions,

e.g. WHO's Best Buys for prevention and control, are available to all Member States. However, weak high-level political action and chronically inadequate investment has hampered progress so far. Out of the 194 countries featured in the 2017 WHO Progress Monitor on NCDs, only 90 have guidelines for the management of major NCDs, which is an essential first step towards provision of effective care.

The 2018 UN High-Level Meeting on NCDs (UN HLM) constitutes a major opportunity to elevate the challenge of implementing effective national responses and international cooperation on NCD prevention and control to the level of Heads of State and Heads of Government. It is time world leaders act and invest in NCDs to avoid preventable death and disability, protect human dignity and the right to health, fight poverty and social inequality and ensure sustained human development.

## Objectives:

- To discuss the outcomes of the 2018 UN High-Level Meeting for greater action on NCDs, with a focus on obesity and diabetes;
- To explore opportunities to replicate evidence-based practices for NCD prevention and control and promote solutions for integrated healthcare delivery at national and regional levels;
- To present relevant approaches and successful examples to strengthen multistakeholder action on NCDs.

## CHAIR

**Bente Mikkelsen**

World Health Organization (WHO) | Division of Noncommunicable Diseases and Promoting Health through the Life-course | Director | Denmark

## SPEAKERS

**Svetlana Akselrod**

World Health Organization (WHO) | Noncommunicable Diseases and Mental Health | Assistant Director-General | Switzerland

**Bagher Larijani**

Ministry of Health and Medical Education | Vice Minister of Education, Council of Medical Education & Speciality Training | Iran

**Bente Mikkelsen**

World Health Organization (WHO) | Division of Noncommunicable Diseases and Promoting Health through the Life-course | Director | Denmark

**Anders Nordström**

Ministry for Foreign Affairs | UN Policy Department | Ambassador for Global Health | Sweden

**Edward Omete**

PharmAccess Foundation | Medical Advisor | Kenya

**Gerald Yonga**

East Africa NCD Alliance | Chair | Kenya



Svetlana  
Akselrod

Anders  
Nordström



Bagher  
Larijani

Edward  
Omete



Bente  
Mikkelsen

Gerald  
Yonga

## WS 09

SAAL 10 | ASIA  
16:00 – 17:30



### WORKSHOP

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## RESPECT AND DIALOGUE

Linking Cultural Heritage, Values, Cutting-Edge Science, Religion, and Health to Promote Peace and Respect

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### HOSTS

M8 Alliance:

**InterAcademy Partnership (IAP)**

**International Partnership on Religion and Sustainable Development (PaRD)**

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Sustaining peace is the central aim of Sustainable Development Goal (SDG) 16: Peace, justice and strong institutions, and a necessary basis for all other SDGs, including “Good Health and Well-being”. Recognizing universal human rights and fundamental freedoms of others is vital to ensure open dialogues as well as the wellbeing and the survival of diverse communities around the globe, as emphasized in the UNESCO’s 1995 Declaration on Tolerance.

Against the backdrop of growing violent extremism, conflicts and suffering worldwide, the InterAcademy Partnership (IAP) intends to give science a stronger voice and take more responsibility. Jointly with other organizations, IAP is setting up the initiative “Respect and Dialogue” in order to foster an atmosphere of mutual respect, contribute to an open, free, peaceful, for-

ward-looking enlightened culture of discussion and curtail religious, ideological, political and cultural bigotry. To that end, the IAP member academies will join forces with other groups towards this important goal, including museums and symbolic places of cultural respect and exchange (e.g. the Humboldt Forum in Berlin, the Bibliotheca Alexandrina, the Louvre Abu Dhabi), international policy and academic networks such as “The Science Bridge” and the “Sapiens 5.0” project and global multi-stakeholder-partnerships such as the International Partnership on Religion and Sustainable Development (PaRD). Thus, they will bring together leading experts and practitioners from science, policy, religion, business and media for dialogues about respect, dignity, and nonviolence in different spheres of life around the globe.

The session will explore the relationships between values, cutting-edge science, religion, and health, and look into innovative and unconventional partnerships to

investigate how science can contribute more efficiently to promoting respect and peace through an enlightened culture of structured dialogues.

### CHAIRS

#### Edelgard Bulmahn

German Bundestag | former German Federal Minister of Education and Research and former Vice President of the German Bundestag | Germany

#### Jeremy Farrar

Wellcome Trust | Director | United Kingdom

### SPEAKERS

#### Marwa ElWakil

Library of Alexandria | Head of Academic Research Sector | Egypt

#### Mohamed H.A. Hassan

Sudanese National Academy of Science | Executive Committee | Sudan

#### Azza Karam

United Nations Population Fund (UNFPA) | Senior Advisor | United States of America  
UN Inter-Agency Task Force on Religion and Development | Coordinator

#### Rev'd Phumzile Mabizela

Inerela+ | Executive Director | South Africa

#### Xiaochun Sun

University of Chinese Academy of Sciences | Professor and Acting Dean of School of Humanities | China

#### Paul Verschure

Universitat Pompeu Fabra | Research Professor & Coordinator Sapiens 5.0 | Spain

### DISCUSSANTS

A selected round of experts



Edelgard  
Bulmahn

Azza  
Karam



Marwa  
ElWakil

Rev'd Phumzile  
Mabizela



Jeremy  
Farrar

Xiaochun  
Sun



Mohamed H.A.  
Hassan

Paul  
Verschure

## WS 10

SAAL 2 | AMERICA  
16:00 - 17:30



**Imperial College  
London**



**M8Alliance**  
Academic Health Centers, Universities and National Academies

### WORKSHOP

## ENSURING PATIENT SAFETY IN HOSPITAL MANAGEMENT

### HOSTS

M8 Alliance:  
**Charité - Universitätsmedizin Berlin**

M8 Alliance:  
**National University of Singapore (NUS)**

M8 Alliance:  
**Imperial College London**

During the last 20 years knowledge about patient safety has grown rapidly and measures taken to avoid harm are numerous and widespread - however avoidable adverse events in healthcare are still a worldwide problem.

Research has shown that safety culture and the success of patient safety measures are dependent on the leadership of an organization. Patient safety needs to be approached top-down rather than bottom-up.

In this workshop, we would like to present policies, methods and measures that enhance the involvement of the senior hospital management concerning safety culture and patient safety projects.

Following questions will be discussed:

- How do head of departments learn from adverse events or near misses and how do they facilitate learning from these events?
- Does senior hospital management understand and apply the human factors approach to decisions made at the top level?
- How can Ministries of Health foster a patient safety climate and ensure implementation of risk reduction strategies after serious adverse events?



**CHAIR****Ulrich Frei**

Charité – Universitätsmedizin Berlin | Medical Director | Germany

**SPEAKERS****Mike Durkin**

Imperial College London |  
Institute of Global Health Innovation |  
Centre for Health Policy | Professor &  
Senior Advisor on Patient Safety Policy  
and Leadership | United Kingdom

**Felicia Hong**

Ministry of Health (MOH) |  
Assistant Director of the Patient Safety  
and Quality Improvement Branch |  
Singapore

**Sandhya Mujumdar**

National University Hospital Singapore  
(NUHS) | Deputy Director of Q&S |  
Singapore

**Roland Staudinger**

VAMED Management und Service GmbH |  
Vice President International Hospital  
Management | Austria



Mike  
Durkin



Sandhya  
Mujumdar



Ulrich  
Frei



Roland  
Staudinger



Felicia  
Hong

## WS 11

SAAL 4 | AFRICA  
16:00 – 17:30

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**vfa.** Die forschenden  
Pharma-Unternehmen  
Research-Based  
Pharmaceutical Companies

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### WORKSHOP

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## FALSIFIED AND SUB-STANDARD MEDICINE

Initiatives and Activities to Secure Access to High Quality Medicines

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### HOST

#### Association of Research-based Pharmaceutical Companies (vfa)

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Marketing and distribution of falsified and substandard medication is a global problem, endangering the appropriate treatment of patients, putting their health and life at risk. Globally, it is estimated that about ten percent of all traded medication is falsified or substandard, in some regions the situation is much worse. There is a need to detect falsified and substandard drugs and eliminate them from pharma markets to protect patients and to secure therapy success.

This session aims at analyzing the scope of the global problem of falsified and substandard drugs, and to demonstrate and discuss practical and locally appropriate options to reduce the risk of fake and substandard drugs entering markets, and measures to detect and eliminate them.

**MODERATOR****Monika Jones**

Moderator &amp; Presenter | Germany &amp; United Kingdom

**SPEAKERS****Stefan Artlich**

Bayer AG | Track &amp; Trace | Director | Germany

**Practical Measures to Minimize the Risk of Falsified Drugs in the Supply Chain****Diana Lee**

World Health Organization (WHO) | Substandard and Falsified Medical Products | Technical Officer | Switzerland

**The World Health Organization Perspective on Substandard and Falsified Medical Products****Richard Neci**

DCMP 8ème CEPAC | Pharmacist Director | Congo

**Insights into the Situation of Falsified and Substandard Drugs in Africa****Gisela Schneider**

German Medical Mission Institute (DIFAEM) | Director | Germany

**Civil Society's Experience with Falsified and Substandard Drugs****Han Steutel**

Association of Research-based Pharmaceutical Companies (vfa) | Chairman of the Board | Germany

**Cooperation - Key in the Fight Against Falsified and Substandard Drugs**Stefan  
ArtlichRichard  
NeciMonika  
JonesGisela  
SchneiderDiana  
LeeHan  
Steutel

## WS 12

SAAL 5 | OCEANIA  
16:00 – 17:30



### WORKSHOP

## PREVENTING DEMENTIA BY PREVENTING STROKE

### HOSTS

**Charité – Universitätsmedizin Berlin**

**M8 Alliance**

**World Dementia Council (WDC)**

**World Stroke Organization (WSO)**

Worldwide, stroke and dementia account for 2/3 of disability adjusted life years (DALY). Rates are declining in developed countries and rising in developing ones, suggesting that the control of the common risk factors can affect the incidence of both. A stroke doubles the chances of developing dementia. A successful population level stroke strategy was associated with a 32% decrease in the incidence of stroke and a 7% decrease in the incidence of dementia.

Stroke (cerebral infarction) represents a compressed form of neurodegeneration that can cause or trigger dementia. The common mechanisms offer new therapeutic opportunities for treating both.

The World Dementia Council includes a platform for risk reduction of the common treatable risk factors underpinning stroke and dementia.

In principle, 90% of strokes are preventable and about 30% of dementias. If those developing dementia after a stroke are included, then about 50% of all dementia could be prevented beginning right now. Multimodal interventions have resulted in improvement in cognitive performance, anticoagulants cut the risk of dementia in atrial fibrillation in half, and a growing list of potential treatments await translation from promise into action.

**CHAIRS****Karl Max Einhäupl**

Charité – Universitätsmedizin Berlin |  
CEO | Germany

**Vladimir Hachinski**

World Stroke Organization |  
Joint Prevention of Stroke and Dementia |  
Chair | Canada

**SPEAKERS****Suvarna Alladi**

University of Cambridge |  
National Institute of Mental Health  
and Neuro Sciences (NIMHANS) |  
Professor | India

**Diverging Trends in Stroke and  
Dementia: Prevention Opportunities****Vladimir Hachinski**

World Stroke Organization |  
Joint Prevention of Stroke and Dementia |  
Chair | Canada

**Preventing Dementia by Preventing  
Stroke: The Bases for Action****Pierluigi Nicotera**

German Center for Neurodegenerative  
Diseases (DZNE) | Director | Germany

**Zaven Khachaturian**

Campaign to Prevent Alzheimer's  
Disease by 2020 | President |  
United States of America

**Stroke as a Form and a Trigger  
of Neurodegeneration****Brian H. Rowe**

University of Alberta | Institute  
of Circulatory and Respiratory Health |  
Scientific Director | Canada

**Canadian Initiatives on  
Stroke and Dementia**

Suvarna  
Alladi

Zaven  
Khachaturian



Karl Max  
Einhäupl

Pierluigi  
Nicotera



Vladimir  
Hachinski

Brian H.  
Rowe

## KEY 01

SAAL 1  
RUDOLF VIRCHOW  
18:00 - 19:30



### KEYNOTE

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## OPENING CEREMONY

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### HOST

**M8 Alliance**

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World Health Summit Trailer produced by the Deutsche Welle

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### CHAIRS

**Detlev Ganten**

World Health Summit | President |  
Germany

**Fernando J. Regateiro**

Coimbra Hospital and University Centre  
(CHUC) | Administration Board |  
Chairman | Portugal

**João Gabriel Silva**

Coimbra Hospital and University  
Centre (CHUC) | Dean | Portugal



**The World Doctors Orchestra performs**

**Ludwig van Beethoven (1770-1827)**

**Symphony No.8 in F Major, op.93**

Conductor: Stefan Willich

## SPEAKERS

**Jens Spahn**

Ministry of Health (BMG) |  
Minister of Health | Germany

**Elizabeth Blackburn**

Salk Institute for Biological  
Studies | President Emerita |  
United States of America

**Alexander Gerst**

German European Space  
Agency | Astronaut

**Albert Bourla**

Pfizer Inc. | COO |  
United States of America

**Gerd Müller**

Ministry for Economic  
Cooperation and Development  
(BMZ) | Minister for  
Economic Cooperation  
and Development | Germany

**Stefan Oschmann**

European Federation of  
Pharmaceutical Industries and  
Associations (EFPIA) |  
President | Belgium  
Merck KGaA | Executive Board |  
CEO and Chairman | Germany

**Matshidiso Rebecca Moeti**

World Health Organization  
(WHO) | WHO Regional Office  
for Africa | Regional Director  
for Africa | Congo

**Young Leader in Global Health**

Detlev  
Ganten

Jens  
Spahn

Gerd  
Müller



Fernando J.  
Regateiro

Elizabeth  
Blackburn

Stefan  
Oschmann



João Gabriel  
Silva

Alexander  
Gerst

Matshidiso Rebecca  
Moeti



Albert  
Bourla





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PROGRAM

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**MONDAY, OCTOBER 15**

## PD 04

SAAL 6 | EUROPE  
9:00 - 10:30

Munich Security  
Conference **msc**  
Münchener Sicherheitskonferenz

### PANEL DISCUSSION

## GLOBAL HEALTH SECURITY

### HOST

#### Munich Security Conference (MSC)

In recent years, global health security has received increased attention. The Ebola outbreak brought attention to the weaknesses in the systems of preparedness and response. In order to deal with these gaps a number of steps were taken. WHO has committed to improve its emergencies program, while private initiatives have also been developed. Regional organizations such as the EU and the African Union have increased their resolve to address global health security challenges.

Yet despite these initiatives, the world is not ready for the next pandemic. Furthermore, some low-income countries perceive the health security agenda as a device for protecting the developed world from health threats arising from the under-developed world, thereby only advancing the interests of the West.

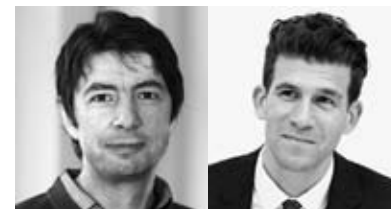
There is much work to be done in gaining universal acceptance of the global health security agenda and improving collaboration between international, regional and national actors.

However, health security involves more than just infectious disease outbreaks. Health security is also part of wider health systems strengthening and Universal Health Coverage activities, but it is not yet clear how to best synergize these overlapping areas.

Improving global health security is first and foremost a political endeavor. More commitment is required from beyond ministries of health; heads of state across the globe must prioritize health as a political and security issue as well as a medical one.

**CHAIR****Wolfgang Ischinger**

Munich Security Conference (MSC) | Chairman | Germany

**SPEAKERS****Seyyed Hassan Ghazizadeh Hashemi**Ministry of Health and Medical Education |  
Minister | Iran**Peter Albiez**Pfizer Germany GmbH | CEO |  
Germany**Seth Berkley**Gavi, The Vaccine Alliance | CEO |  
Switzerland**Christian Drosten**Charité – Universitätsmedizin Berlin |  
Institute of Virology Campus Charité  
Mitte | Director | Germany  
Charité Global Health, Scientific Director**Jaak Peeters**Johnson & Johnson Global Public Health |  
Global Head | Germany**BT Slingsby**Global Health Innovative Technology  
Fund (GHIT) | Executive Director and  
CEO | Japan**Charlotte Watts**Department of International Develop-  
ment (DFID) | Chief Scientific Adviser |  
United KingdomPeter  
AlbiezWolfgang  
IschingerSeth  
BerkleyJaak  
PeetersChristian  
DrostenBT  
SlingsbySeyyed Hassan  
Ghazizadeh  
HashemiCharlotte  
Watts

## WS 13

SAAL 10 | ASIA  
9:00 – 10:30

BILL & MELINDA  
GATES *foundation*

Grand Challenges



### WORKSHOP

## GROWTH & RESILIENCE

Changing the Paradigm to Save Mothers and Children

### HOSTS

**Bill & Melinda Gates Foundation**

**Grand Challenges**

We have made impressive progress in maternal, newborn and child survival in the last decade and a half. However, the burden continues to become more complex, and to meet the targets laid out in the Sustainable Development Goals, we will need to double the rate of progress made during the Millennium Development Goal era. We believe that the fastest way to interrupt the transfer of risk from mother to baby is to address underlying biological vulnerabilities, such as malnutrition and pre-term birth.

Our Growth and Resilience framework shifts focus away from development of tools for single disease conditions, and towards innovative tools that can alter the trajectory of biological vulnerability – potential game-changers for maternal, newborn and child survival. To develop these tools, our focus is on innovating in areas that reduce adverse birth outcomes, improve growth, optimize neuro-development, and enhance resilience to infection.

**CHAIR****Sindura Ganapathi**

Bill & Melinda Gates Foundation | Discovery & Translational Sciences |  
Deputy Director | United States of America

**SPEAKERS****Rajiv Bahl**

World Health Organization (WHO) |  
MCA Department | Maternal, Newborn,  
Child and Adolescent Health Research  
and Development Team | Coordinator |  
Switzerland

**Stefan Dräger**

Drägerwerk Verwaltungs AG |  
Chairman of the Executive Board |  
Germany

**Katharina Lichtner**

Family Larsson-Rosenquist Foundation |  
Managing Director | Switzerland

**Rebecca Richards-Kortum**

William Marsh Rice University | Rice 360°  
Institute for Global Health | Director |  
United States of America



Rajiv  
Bahl



Katharina  
Lichtner



Stefan  
Dräger



Rebecca  
Richards-Kortum



Sindura  
Ganapathi

## WS 14

SAAL 2 | AMERICA  
9:00 – 10:30



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### WORKSHOP

## ONE HEALTH

A Continuous Challenge for Science and Healthcare

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### HOSTS

**Leibniz Association**

**German Federal Ministry of Education and Research (BMBF)**

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Zoonotic virus infections may lead to major economic losses and disease burden in animals and man. Herein, particularly emerging viruses, such as avian influenza, MERS-CoV and ZIKV challenge current surveillance and health care systems. Moreover, evolving avian influenza viruses pose a major pandemic threat. This highlights the urgent need for network collaborations involving scientists, clinicians and public health

experts working at the animal-human interface. As a major global health challenge, pandemic preparedness plans need to consider the holistic One Health concept.

This session will focus on the current challenges posed by emerging viruses to animal and human health as well as discuss potential counterstrategies to reduce disease burden.

**CHAIR****Heribert Hofer**

Leibniz Institute for Zoo and Wildlife Research | Director | Germany

**SPEAKERS****Gülsah Gabriel**

Heinrich Pette Institute |  
Viral Zoonoses - One Health | Head |  
Germany

**Barbara Rath**

Vienna Vaccine Safety Initiative (ViVI) |  
Co-Founder and Chair | Germany

**Yuelong Shu**

National Institute for Viral Disease  
Control and Prevention of China CDC |  
Deputy Director | China

**Marc Sprenger**

World Health Organization (WHO) |  
Antimicrobial Resistance Secretariat |  
Director | Switzerland



Gülsah  
Gabriel

Yuelong  
Shu



Heribert  
Hofer

Marc  
Sprenger



Barbara  
Rath

## WS 15

SAAL 4 | AFRICA  
9:00 – 10:30

**vfa.** Die forschenden  
Pharma-Unternehmen  
Research-Based  
Pharmaceutical Companies

EBERHARD KARLS  
UNIVERSITÄT  
TÜBINGEN

**DEUTSCHES  
NETZWERK**  
gegen vernachlässigte  
Tropenkrankheiten  
(DNTDs)



UNIVERSITÄTS  
KLINIKUM  
TÜBINGEN

### WORKSHOP

## NEGLECTED TROPICAL DISEASES AND THEIR CO-MORBIDITIES

How They Affect Healthcare Systems

### HOSTS

**Association of Research-based Pharmaceutical Companies (vfa)**

**Eberhard-Karls-University Tübingen**

**German Network against Neglected Tropical Diseases (DNTDs)**

**German Society for Tropical Medicine and International Health (DTG)**

**Universitätsklinikum Tübingen**

More than 1.4 billion people around the world are infected with at least one NTD. The systemic impact of these diseases is considerable, not just because of the sheer number of those affected, but also because people suffering from NTDs have a higher risk of acquiring other diseases, such as HIV and AIDS, tuberculosis, cancer, diabetes and often develop various forms of physical disabilities, often requiring medical assistance. Women and girls suffering from NTDs, such as anaemia caused by hookworm infection or schistosomiasis have a higher risk of potentially lethal complications during childbirth. People suffering from NTDs also disproportionately suffer from

stigma associated with disabilities and often develop constraints in their mental health status.

This session aims at highlighting the consequences and opportunities of integrating NTDs into the health system strengthening approach that the German government has recently introduced into the global health agenda. Programs to combat NTDs have a beneficial effect on health systems, because they substantially reduce the burden of diseases the systems have to cope with. They can also strengthen other preventive programs, such as mother-and-child programs and initiatives to fight hunger and poverty.



**CHAIR****Carsten Köhler**

University Hospital Tübingen | Institute of Tropical Medicine |  
Center of Competence | Director | Germany

**SPEAKERS****Christoph Benn**

The Global Fund to Fight AIDS,  
Tuberculosis and Malaria | External  
Relations | Director | Switzerland

**Bridge to HIV/Aids****Katey Einterz Owen**

Bill & Melinda Gates Foundation |  
Department of Neglected Tropical  
Diseases | Director |  
United States of America

**Bridge to Co-Morbidities in General****Dirk Engels**

Health Consultant | Neglected Tropical  
Diseases | Switzerland

**Impulse Statement Co-Morbidities****Narcis Kabatereine**

Imperial College London | Faculty  
of Medicine, School of Public Health |  
MER Advisor | United Kingdom

**Persistent High Schistosomiasis  
Morbidity in Uganda Despite 13 Years  
of Annual Mass Drug Administration****Francisca Mutapi**

University of Edinburgh | Parasite  
Immuno-Epidemiology Group | Head |  
United Kingdom

**From Pediatric Schistosomiasis  
to NCDs in Adulthood**

Christoph  
Benn

Narcis  
Kabatereine



Katey  
Einterz Owen

Carsten  
Köhler



Dirk  
Engels

Francisca  
Mutapi

## WS 16

SAAL 5 | OCEANIA  
9:00 – 10:30



### WORKSHOP

## BETTER LEADERSHIP: IMPROVED HEALTH

Young Physician Leaders: “The Leadership We Want”

### HOSTS

**ESMT European School of Management and Technology GmbH**

**InterAcademy Partnership (IAP)**

Successful institutions need good leaders. And whether they are in high income countries or poorer countries, institutions providing healthcare, educating future physicians or promoting the public's health are no different. Yet decision-makers in such institutions are often appointed from among people trained in medicine, with little formal training in leadership to prepare them for these roles.

The InterAcademy Partnership (IAP) Young Physician Leaders (YPL) program aims to bridge this gap. Launched in 2011, to date some 155 young physicians from some 45 countries have participated in six international and one regional editions of this personalized leadership training program (a dedicated IAP for Health YPL Directory is available here: [www.iamp-online.org/iamp-young-physician-leaders-directory](http://www.iamp-online.org/iamp-young-physician-leaders-directory)).

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**CHAIRS****Jo Ivey Boufford**

New York Academy of Medicine |  
President | United States of America

**Nora Ilona Grasselli**

ESMT European School of  
Management and Technology GmbH |  
Program Director | Germany

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**SPEAKERS**

Selected from among the 2018 Cohort of Young Physician Leaders

**Peter McGrath**

InterAcademy Partnership (IAP) |  
Program Officer | Italy



Jo Ivey  
Boufford

Peter  
McGrath



Nora Ilona  
Grasselli

## KEY 02

SAAL 1  
RUDOLF VIRCHOW  
11:00 – 12:30

BILL & MELINDA  
GATES *foundation*

Heidelberg  
Institute of  
Global Health

**PATH**  
10::A0◆//2□0

### KEYNOTE

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## VACCINE PRODUCTION AND DELIVERY SYSTEMS

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### HOSTS

**Bill & Melinda Gates Foundation**

**Heidelberg Institute of Global Health**

**PATH**

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When it comes to fighting infectious diseases, vaccines offer top economic and social value, and they also represent the best means for controlling and eliminating dangerous communicable pathogens. Intensified global efforts to step up vaccine research and development are

therefore a must, especially for neglected tropical diseases. A central challenge is that in some developed countries, where popular perceptions no longer view infection or epidemics as a serious risk, mindsets will need to change.

**CHAIR****Till Bärnighausen**

Heidelberg Institute of Global Health | Director | Germany

**SPEAKERS****Seth Berkley**

Gavi, The Vaccine Alliance | CEO |  
Switzerland

**Steve Davis**

PATH | President and CEO |  
United States of America

**Frederik Kristen Ole Kristensen**

Coalition for Epidemic Preparedness  
Innovations (CEPI) | Deputy CEO |  
Norway

**Gayle E. Smith**

ONE | President and CEO |  
United States of America

**Lynda Maria Stuart**

Bill & Melinda Gates Foundation |  
Deputy Director |  
United States of America



Till  
Bärnighausen



Frederik Kristen Ole  
Kristensen



Seth  
Berkley



Gayle E.  
Smith



Steve  
Davis



Lynda Maria  
Stuart

## PD 05

SAAL 6 | EUROPE

11:00 – 12:30



### PANEL DISCUSSION

## VALUE BASED HEALTH CARE

The Panacea for our Healthcare Woes

### HOSTS

M8 Alliance:

**National University of Singapore (NUS)**

### What is the issue?

Global healthcare spending has reached an estimated USD 7-8 trillion, a third of which is reported to be “wasted”. The misalignments of incentives, interests, strategies and behaviors of parties engaged in healthcare delivery (i.e. policy makers, regulators, private sector, R&D, providers, suppliers and individuals) are at the core of this inefficiency. Healthcare –in countries where people can benefit from it- is therefore imprecise and inequitable. The misalignments amongst healthcare stakeholders have led to dead ends at the financial (unsustainable costs), human (outcomes far from delivering the expected quality of care) and systemic levels (high degrees of variability between delivery systems).

### How can this issue be addressed?

What is known as value-based health care (VBHC) has aimed to redefine how care is organized, measured, and reimbursed. Today, the concept is pushed further with the massive spread of technology, systems and devices allowing for almost real-time evidence-informed strategies and decision-making in health-care that, in principle, could allow tailoring of care to the needs and differences of each individual and ecosystem.

**CHAIR**

**Diarmuid Murphy**

National University Hospital (NUH) | Chief Value Officer | Singapore

**SPEAKERS**

**John Amuasi**

Kumasi Center for Collaborative Research in tropical Medicine KNUST - Research Group Leader (AG AMUASI)

**Ricardo Augustus Guerreiro**

**Baptista Leite**

Catholic University of Portugal | Institute of Health Sciences | Head of Public Health | Portugal Parliament of Portuguese Republic | Health Committee | Portugal

**Jens Grueger**

Roche Pharmaceuticals | Vice President, Head of Global Pricing & Market Access | Switzerland

**Richard Jansen**

Medtronic GmbH | Integrated Health Solutions Europe & Russia | Senior Director | Germany

**Gregory Katz**

University Paris Descartes | Innovation Management & Healthcare Performance | Chair | France

**Nathalie Moll**

European Federation of Pharmaceutical Industries and Associations (EFPIA) | Director General | Belgium



John Amuasi



Gregory Katz



Ricardo Augustus Guerreiro Baptista Leite



Nathalie Moll



Jens Grueger



Diarmuid Murphy



Richard Jansen

PROGRAM, MON 15

**WS 15a**SAAL 4 | AFRICA  
11:00 – 12:30**HZI** HELMHOLTZ  
Centre for Infection Research**WORKSHOP****DIGITAL INTEGRATION OF  
SURVEILLANCE AND  
OUTBREAK RESPONSE MANAGEMENT****HOST****Helmholtz Centre for Infection Research (HZI)**

The recent outbreaks of Ebola Virus Disease in Central and West Africa are only the most prominent indications of tragic failures in outbreak detection. They also exemplify the tremendous challenge of managing the response to such outbreaks, given dramatically under resourced health care systems, societal instability and deficient information and transportation infrastructure in many parts of the world.

At the same time, modern digital information technology is becoming increasingly available even in less developed areas and may offer an opportunity to intelligently overcome aforementioned challenges.

In the recent years a large number of initiatives have come up with mobile electronic health tools (mHealth) to address continuous notifiable disease surveillance. Some tools address the response management during an outbreak such as follow-up of contact persons. Only a very small number of tools seem to comprehensively combine continuous surveillance and outbreak response, as proposed by the concept of Integrated Disease Surveillance and Response (IDSR).

With the objective to stimulate technical progress and interoperability in this field, this workshop aims to bring together among the most comprehensive initiatives of digital surveillance and outbreak response management for exchange of concepts and experiences.



## CHAIRS

**Denise Cardo**

Centers for Disease Control and Prevention (CDC) | Health Quality Promotion | Division Director | United States of America

**Jay Varma**

Africa Centers for Disease Control | Senior Advisor | Ethiopia

## SPEAKERS

**Evelyn Castle**

eHealth Africa | Executive Director & Co-Founder | United States of America

**Chikwe Ihekweazu**

Nigeria Centre for Disease Control (NCDC) | Chief Executive Officer/ National Coordinator | Nigeria

**George C. Kauki**

Ministry of Health, Community Development, Gender, Elderly and Children | National IDSR Coordinator | Tanzania

**Gérard Krause**

Helmholtz Centre for Infection Research (HZI) | Department for Epidemiology | Head | Germany

**Sonia Panzani**

Terre des Hommes Foundation | Health Programme Coordinator Africa | Switzerland

**Boris Pavlin**

World Health Organization (WHO) | Health Operations Monitoring & Data Collection | Switzerland

**David Randolph Wilson**

Management Sciences for Health (MSH) | Rwanda Health System Strengthening Activity | Team Leader: Knowledge Management, Data Use and Research | Rwanda



Denise Cardo



George C. Kauki



Boris Pavlin



Evelyn Castle



Gérard Krause



David Randolph Wilson



Chikwe Ihekweazu



Sonia Panzani



Jay Varma

## WS 16a

SAAL 5 | OCEANIA  
11:00 – 12:30



### WORKSHOP

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## DISEASE X

Will we be able to find it in time and respond appropriately?

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### HOSTS

**German Institute for Defence and Strategic Studies (GIDS)**

**Global Health Security Alliance**

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The WHO recently released its updated list of diseases of public health concern. A new addition to that list is “Disease X” which represents “the knowledge that a serious international epidemic could be caused by a pathogen currently unknown to cause human disease”. In January 2018, the World Bank released its “Operational framework for strengthening human, animal and environmental public health systems at their interface” report. Recognizing that the majority of emerging infectious diseases have originated in

animals, they recommend that it is time to start “targeting disease threats upstream prevention at the source, or via early detection and response) to help reduce the frequency and impact of emergencies the system has to react to”.

Now that the need to detect public health threats in animal populations prior to spill over into humans has been recognized, the question is, how will this be accomplished?

**CHAIR****Tracey McNamara**

Western University of Health Sciences | College of Veterinary Medicine |  
Professor of Pathology | United States of America

**SPEAKERS****Mukesh Chawla**

World Bank | Advisor |  
United States of America

**Have GHSA investments Gone  
to the Veterinary Sector?**

**Ruxandra Draghia**

MSD (Merck Sharp & Dohme) |  
Global Vaccines | Vice President of  
Public Health and Scientific Affairs |  
United States of America

**Preparing for Disease X - Lessons Learnt  
from Recent Epidemic Outbreaks**

**Elizabeth Mumford**

World Health Organization (WHO) |  
Department of Country Health  
Emergency Preparedness and IHR |  
One Health Country Operations Team |  
Switzerland

**Building Multisectoral, One Health  
Capacity under the International  
Health Regulations**

**Elmar Nimmessgern**

Federal Ministry of Education and  
Research (BMBF) | Head of Global  
AMR R&D Hub | Germany

**A One Health Approach to Tackle the  
Spread of AMR in Humans, Animals  
and the Environment**

**Sophie von Dobschuetz**

Food and Agriculture Organization |  
Global Surveillance Coordinator | Italy

**FAO's Surveillance Evaluation Tool  
(SET); Outcomes of 13 Missions  
on Assessment of Animal/Zoonotic  
Disease Surveillance Systems**

**James Wilson**

University of Nevada, Reno | Nevada  
Medical Intelligence Center | Director |  
United States of America

**Medical Intelligence Failures -  
Lessons Learned?**

**Lisa Yon**

University of Nottingham | School of  
Veterinary Medicine and Science |  
Lecturer in Zoo and Wildlife Medicine |  
United Kingdom

**The Status of Wildlife Disease  
Surveillance in the EU**



Mukesh  
Chawla



Elmar  
Nimmessgern



Ruxandra  
Draghia



Sophie  
von Dobschuetz

PROGRAM, MON 15



Tracey  
McNamara



James  
Wilson



Elizabeth  
Mumford



Lisa  
Yon

## KEY 03

SAAL 1  
RUDOLF VIRCHOW  
14:00 – 16:00



Federal Ministry  
of Education  
and Research



German Center  
for Infection Research

ROBERT KOCH INSTITUT



### KEYNOTE

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## ANTIMICROBIAL RESISTANCE

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### HOSTS

**German Federal Ministry of Education and Research (BMBF)**

**German Center for Infection Research e.V. (DZIF)**

**Robert Koch Institute**

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Antimicrobial Resistance is rising to dangerously high levels in all parts of the world. New resistance mechanisms are emerging and spreading globally, threatening our ability to treat common infectious diseases. A growing list of infections are becoming harder, and sometimes impossible, to treat as antibiotics become less effective. This crisis is global, reflect-

ing the worldwide overuse of these drugs and the lack of development of new antibiotic agents by pharmaceutical companies to address the challenge. Coordinated efforts to implement new policies, renew research efforts, and pursue steps to manage the crisis have been created over the recent period, but major gaps still remain.

**CHAIR****Lothar H. Wieler**

Robert Koch Institute | President | Germany

**SPEAKERS****Georg Schütte**

Federal Ministry of Education and Research (BMBF) | State Secretary | Germany

**Thomas B. Cueni**

International Federation of Pharmaceutical Manufacturers &amp; Associations (IFPMA) | Director-General | Switzerland

**Jeremy Farrar**

Wellcome Trust | Director | United Kingdom

**Jayasree Iyer**

Access to Medicine Foundation | Executive Director | Netherlands

**Rolf Müller**

Helmholtz Institute for Pharmaceutical Research Saarland (HIPS) | Managing Director and Head of Department of Microbial Natural Products (MINS) | Germany

Thomas B.  
CueniRolf  
MüllerJeremy  
FarrarGeorg  
SchütteJayasree  
IyerLothar H.  
Wieler

**PD 06**

SAAL 6 | EUROPE  
14:00 – 16:00



PANEL DISCUSSION

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## BIG DATA ANALYTICS IN BIOMEDICAL RESEARCH AND HEALTHCARE

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HOSTS

**Berlin Institute of Health (BIH)**

M8 Alliance:

**Charité – Universitätsmedizin Berlin**

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Data is now a cornerstone of the health-care industry. It documents everything from blood pressure readings and surgical records to insurance claims, immunization histories, patient demographics and receipts of payment. But even though Big Data may bridge the gap between healthcare delivery and population health and improve many health outcomes through enhanced methods of research, the detailed collection of personal information poses ethical, regulatory and technical challenges. In addition, much of the promise of Big Data in health care is still awaiting confirmation through evidence from large trials of high quality.

This session will explore the opportunities but also the challenges for Big Data to assist governments and health care providers in delivering maximum benefit to society. Big Data will drive fact-based decisions by policy makers and shape how health systems address societal and global challenges in both developed and developing economies. The increased scope, detail and availability of patient and population data will also influence the broader debate around data governance and the associated ethical issues. Our panelists will discuss technological, commercial, statistical, ethical, practical, as well as policy issues which we encounter when moving from small to Big Data to help clinical practice management, surveillance, health system management, and research and innovation.

**CHAIR****Ulrich Dirnagl**

Berlin Institute of Health (BIH) | QUEST Center for Transforming  
Biomedical Research | Founding Director | Germany

**SPEAKERS****Roland Eils**

Berlin Institute of Health (BIH) | Center  
for Digital Health | Founding Director |  
Germany

**Bernd Montag**

Siemens Healthineers AG | CEO |  
Germany

**Nicola Perrin**

Wellcome Trust | Data for Science and  
Health Priority | Head | United Kingdom

**Barbara Prainsack**

University Vienna | Comparative Policy  
Analysis | Professor | Austria

**Stephen Senn**

Luxembourg Institute of Health |  
Statistics | Professor | Luxembourg



Ulrich  
Dirnagl

Nicola  
Perrin



Roland  
Eils

Barbara  
Prainsack



Bernd  
Montag

Stephen  
Senn

## WS 15b

SAAL 4 | AFRIKA  
14:00 – 16:00



Bayer HealthCare

### WORKSHOP

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## THE BEAUTY OF IMPACT: DISRUPTIVE INNOVATIONS FOR FOOD-RELATED HEALTH CHALLENGES

Creating Desirable Futures

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### HOST

**Bayer Foundations**

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Humanity is facing grand challenges and pressing needs in health and food. In an ever advancing world of tech innovations an increasing number of people is left behind in poverty, starvation and bad health. Hunger, food and health crisis are global threats with capability to out-balance the world as we know it. This session is about impact pioneers who are creating new answers for food-related health challenges. Their innovations have the power to bring prosperity and opportunity to the raising billions in need.

The session showcases health and food activists from all continents demonstrating how grand challenges can be turned into big opportunities. This is a tribute to those courageous men and women who dare to brave the unknown for the purpose of shaping the future of humanity. They are icons of progress – let them inspire you to become a change maker yourself.

### CHAIR

**Thimo V. Schmitt-Lord**

Bayer Foundations | CEO | Germany

**Introduction: Start a Business – Save the World**

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**SPEAKERS**

**Jeannette Countess  
Beissel von Gymnich**

Jeannette Gräfin Beissel von  
Gymnich-Foundation |  
Founder | Germany

**Changemakers Inspire Us All  
to Go Further**

**Social Impact Startups**

> **AI SCOPE**

AI Backed Diagnosis  
in Low Income Regions

**Eduardo Peire**

Mechanical Engineer

> **CLEARKARMA**

Blockchain Backed Solution  
for Food Safety

**Sylvie Chin**

ClearKarma | Founder and CEO

> **COOLAR**

Electricity Free Food  
and Drug Cooling Systems

**Christoph Göller**

Coolar | Co-Founder

> **LEONYTE**

Real-Time, Reliable Bacteria  
Detection System for  
Food Safety and Health

**Facundo Gomez Vera**

Leonyte Biosystems | CEO

**Marc Buckley**

ANJA GmbH & Co. KG |  
Founder and CEO | UN SDG  
Advocate, Food Reformist,  
Sustainable Farming Futurist |  
Germany

**How the Sustainability Goals  
Can Love us Back**

> **SOS-VILLAGE HOHENROTH**

Model Farm for Mentally  
Disabled People

**Alexander Seith**

SOS Model Farm Hohenroth |  
Divisional Director

> **THRIVING GREEN**

Future Farming  
with Superfood Spirulina

**Alexander Zacharuk**

Thriving Green | Founder

> **WORLD FOOD PROGRAMME**

Tech innovations to end hunger

**Bettina Luescher**

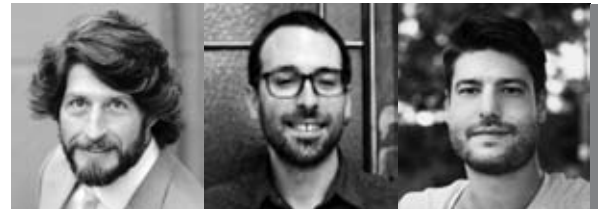
World Food Programme |  
Chief Spokesperson, Berlin



Jeannette Countess Beissel von Gymnich

Bettina Luescher

Facundo Gomez Vera



Marc Buckley

Eduardo Peire

Alexander Zacharuk



Sylvie Chin

Thimo V. Schmitt-Lord



Christoph Göller

Alexander Seith

## WS 16b

SAAL 5 | EUROPE  
14:00 – 16:00



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### WORKSHOP

## HEALTHCARE SYSTEMS IN LATIN AMERICA

Achieving Health for All

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### HOSTS

**Cluster Médico Jalisco AC**

**German Healthcare Partnership (GHP)**

**Joint United Nations Programme on HIV/AIDS (UNAIDS)**

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In this workshop a broad spectrum of private sector, community, scientific and political representatives will draw on their experiences and discuss progress and obstacles in achieving equitable healthcare in Latin America. The panel-members will examine this on the basis

of different healthcare system models in Latin America and will also focus on marginalized populations, who do not have access to healthcare. In this context, specific attention will be given to the role of communities in healthcare provision to ensure access to health for all.

**CHAIRS****Roland Göhde**

German Healthcare Partnership (GHP) |  
Chairman of the Board | Germany

**Georgina Garcia Martinez**

Cluster Médico Jalisco AC | President |  
Mexico

**Michel Sidibé**

Joint United Nations Programme on  
HIV/AIDS (UNAIDS) | Executive Director |  
Switzerland

**SPEAKERS****Verónica Espinosa**

Ministry of Health | Minister | Ecuador

**Carlos Jimenez**

Mexican Association of Innovative  
Medical Device Industries (AMID) |  
President | Mexico

**Georg Kippels**

German Bundestag | Member of  
the Parliament & Deputy Chairman  
of the German-Mexican Parliamentary  
Friendship Group | Germany

**Suzanna Tkalec**

Caritas Internationalis | Humanitarian  
Director



Verónica  
Espinosa

Georgina Garcia  
Martinez



Roland  
Göhde

Michel  
Sidibé



Carlos  
Jimenez

Suzanna  
Tkalec



Georg  
Kippels

## PD 07

SAAL 6 | EUROPE  
16:30 – 18:00



### PANEL DISCUSSION

## PANDEMIC PREPAREDNESS IN THE 21<sup>ST</sup> CENTURY

Towards a Safer World

### HOSTS

**Federal Ministry for Economic Cooperation and Development (BMZ)**

**KfW Group**

To prevent a disease outbreak from turning into an epidemic or even a pandemic which may cause significant social and economic damage, preparedness and an early response is essential. This requires sufficient and timely funding as well as structures which are in a position to respond fast and adequately. Pandemic insurance promises to avoid lengthy humanitarian appeals and make financing available when needed to contain deadly outbreaks. How does pandemic insurance fit into the global financing architecture

for pandemic preparedness? How does pandemic insurance work in practice? Is pandemic insurance all it takes to contain major disease outbreaks? And what role does it play from the (re-)insurance industry's point of view? Would countries be ready to pay insurance premiums to be covered in case of emergency? These questions will be discussed in this session that brings together representatives of WHO, the World Bank, the African Risk Capacity, civil society, reinsurance industry as well as the partner countries.

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**CHAIR**
**Peter Piot**

London School of Hygiene & Tropical Medicine (LSHTM) |  
 Director & Professor of Global Health | United Kingdom  
 Member of the German National Academy of Sciences Leopoldina

---

**SPEAKERS****Robert Kwame de Graft Agyarko**

African Risk Capacity | Outbreaks and  
 Epidemics | Lead Advisor | South Africa

**Timothy Grant Evans**

World Bank | Health, Nutrition &  
 Population | Senior Director |  
 United States of America

**Marjeta Jager**

European Commission | International  
 Cooperation and Development |  
 Deputy Director-General | Belgium

**Stanley Okolo**

West African Health Organization  
 (WAHO) | Director General |  
 Burkina Faso

**Peter Salama**

World Health Organization (WHO) |  
 Deputy Director-General of  
 Emergency Preparedness and Response |  
 Switzerland

**Paul Stoffels**

Johnson & Johnson | Vice Chair of the  
 Executive Committee and Chief Scientific  
 Officer | United States of America



Robert Kwame  
de Graft Agyarko

Peter  
Piot



Timothy Grant  
Evans

Peter  
Salama



Marjeta  
Jager

Paul  
Stoffels



Stanley  
Okolo

## WS 17

SAAL 10 | ASIA  
16:30 – 18:00



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### WORKSHOP

## SEXUAL VIOLENCE

The Impact of Globalization

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### HOSTS

M8 Alliance:

**Charité – Universitätsmedizin Berlin**

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Prevalence rates derived from epidemiological studies confirm that sexual violence against women and children represents a serious global health problem. Research in victims demonstrates marked long-term effects which contribute to health problems.

Against this background the session will address this huge burden in a changing society with new technologies enhancing the risk of sexual traumatization on the one hand and offering new perspectives in combating this on the other.

It will be discussed that sexual violence is promoted by cultural factors oppressing women and enhancing misogynic attitudes. Furthermore, it will highlight the new technologies (internet) for inappropriately contacting minors (e.g. grooming behavior) and distributing child abuse images, as well as promoting cultural conflicts and anti-women attitudes via the worldwide availability of pornographic materials denoting the umbrella of cognitive distortions concerning sexuality.

The workshop will scrutinize the knowledge to devise strategies for using the internet and new technologies themselves for the prevention of sexual violence against children and women.

**CHAIR****Klaus Michael Beier**

Charité – Universitätsmedizin Berlin |  
Institute of Sexual Sciences and Sexual Medicine | Director | Germany

**SPEAKERS****Avni Amin**

World Health Organization | Department  
of Reproductive Health and Research |  
Technical Officer, Violence Against  
Women | Switzerland

**Sexual Violence and Global Health****Janavi Doshi**

The HEAL Foundation |  
Primary Prevention of Sexual Violence |  
Program Director | India

**Chances for Reducing Sexual  
Traumatization via New Technologie****Ateret Gewirtz-Meydan**

University of New Hampshire |  
Crimes against Children Research Center |  
Postdoctoral Fellow |  
United States of America

**Survivors of Child Sexual  
Exploitation Imagery****Julia von Weiler**

Innocence in Danger e.V. | Director |  
Germany

**The Impact of New Technologies:  
Risks for Sexual Traumatization**

Avni  
Amin

Ateret  
Gewirtz-Meydan



Klaus Michael  
Beier

Julia  
von Weiler



Janavi  
Doshi

WS 18

SAAL 2 | AMERICA  
16:30 – 18:00



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WORKSHOP

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## COORDINATION OF GLOBAL HEALTH SUPPORT

The Advantages of a Coordinated Response to Global Health Challenges

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HOST

**German Federal Ministry of Health (BMG)**

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In order to achieve SDG3 and other health-related targets of the 2030 Agenda for Sustainable Development as well as to address Global Health challenges, coordination at all levels – national, regional and international – is imperative. Especially, the intersectoral cooperation and coordination across stakeholder groups is important. At the same time, this cooperation and coordination remains a key challenge.

The objective of this session is to present and discuss different approaches to coordination. The workshop will bring together key stakeholders who share their experiences, lessons learnt and best practices on different coordination measures and mechanisms. Representatives from different countries and civil society will exchange on principles and priority areas of their Global Health engagement, ways of ensuring a coordinated approach across sectors and stakeholder groups.



**CHAIR****Ilona Kickbusch**

The Graduate Institute of International and Development Studies |  
Global Health Center | Director | Switzerland

**SPEAKERS****Maria Nazareth Farani Azevêdo**

Permanent Mission of Brazil  
to the United Nations in Geneva |  
Permanent Representative | Brazil

**Coordination between BRICS Countries  
and the Importance of Health  
Diplomacy**

**Björn Kümmel**

Federal Ministry of Health (BMG) |  
Division of Global Health | Deputy Head |  
Germany

**Global Health Coordination at the  
National Level - Experience and  
Lessons Learnt from Germany**

**Colin Mciff**

U.S. Department of Health and Human  
Services | Office of Global Affairs |  
Deputy Director |  
United States of America

**A Coordinated Approach to Global  
Health - Government Coordination  
between Capital and Permanent  
Missions**

**Maïke Röttger**

Plan International Germany e.V. | CEO |  
Germany

**Coordination among Civil Society  
Organizations - Examples and Lessons  
Learnt**

**Päivi Sillanaukee**

Ministry of Social Affairs and Health |  
Permanent Secretary | Finland

**Coordination among Nordics on Global  
Health Issues, including within WHO**



Maria Nazareth  
Farani Azevêdo

Colin  
Mciff



Ilona  
Kickbusch

Maïke  
Röttger



Björn  
Kümmel

Päivi  
Sillanaukee

## WS 19

SAAL 4 | AFRICA  
16:30 – 18:00



Federal Ministry  
for Economic Cooperation  
and Development



### WORKSHOP

## HOSPITAL PARTNERSHIPS FOR IMPROVED SERVICE DELIVERY

Strengthening Competencies of Medical Personnel

### HOSTS

**Federal Ministry for Economic Cooperation and Development (BMZ)**

**The Else Kröner-Fresenius Stiftung**

The Initiative Hospital Partnerships – Partners strengthen Health promotes partnerships between health organizations in Germany and medical institutions in low- and middle-income countries in order to improve healthcare outcomes by enhancing the quality, education and delivery of healthcare worldwide. Professionals such as physicians, nurses, public health specialists, midwives, lab technicians and hospital managers meet on equal terms and share expertise, experiences and ideas to improve healthcare in selected thematic areas. The initiative is funded by the Federal Ministry for Economic Cooperation and Development (BMZ) in cooperation with the Else

Kröner-Fresenius-Foundation (EKFS) and aims to support the 2030 Agenda with a particular focus on SDG 3 and SDG 17.

The purpose of this session is to explore effects, outcomes and success factors of these collaborations and to identify key lessons learned from current partnerships in terms of opportunities, challenges, barriers and enablers. Stakeholders and healthcare leaders from high-income and low-income countries reflect on their partnership activities, share potentials, expectations and benefits with the audience but also discuss issues concerning sustainability, contributions to the global health agenda and quality of care.

**CHAIR****Oliver Haas**

German Society for International Cooperation (GIZ) |  
Health, Education, and Social Affairs | Head of the Global Division |  
Germany

**SPEAKERS****Michael Madeja**

Else-Kröner-Fresenius-Stiftung |  
CEO | Germany

**Introduction & Welcome****Shamsuzzoha Babar Syed**

World Health Organization  
(WHO) | Coordinator |  
Switzerland

**Quality of Care in Twinning  
Projects****Daniel Burssa**

Federal Ministry of Health |  
Chief of Staff | Ethiopia

**Health System Strengthening****Yadeta Dessie**

Haramaya University | College  
of Health and Medical Sciences |  
Chief Executive Director |  
Ethiopia

**Hospital Partnership Mother  
and Child Health****Annegret Kiefer**

Eichsfeld Hospital |  
Obstetrics and Gynecology |  
Chief Physician | Germany

**Hospital Partnership Mother  
and Child Health****Gisela Schneider**

Deutsches Institut für  
ärztliche Mission | Director |  
Germany

**Hospital Partnership Patient  
Safety, AMR****Augustin Sendegeya**

University Teaching Hospital  
of Butare (CHUB) | Director |  
Rwanda

**Improved Patient Safety****Hans-Peter Baur**

Federal Ministry for Economic  
Cooperation and Development  
(BMZ) | Principle | Germany

**Closing Statement**

Shamsuzzoha  
Babar Syed

Yadeta  
Dessie

Michael  
Madeja



Hans-Peter  
Baur

Oliver  
Haas

Gisela  
Schneider



Daniel  
Burssa

Annegret  
Kiefer

Augustin  
Sendegeya

## WS 20

SAAL 5 | OCEANIA  
16:30 – 18:00



### WORKSHOP

## ANTIBIOTIC RESEARCH & DEVELOPMENT

Ensuring Effective and Affordable Antibiotic Treatments  
for The Future of Humankind

### HOSTS

**German Federal Ministry of Education and Research (BMBF)**

**German Center for Infection Research e.V. (DZIF)**

**Helmholtz Centre for Infection Research (HZI)**

Modern medicine is not conceivable without effective antibiotic treatment. Curing infectious diseases would hardly be possible without antimicrobial agents. However, overuse and misuse of antibiotics in hospitals and agriculture have substantially increased the spread of antimicrobial resistance (AMR). Alarmingly, the dramatic worldwide rise of multi- and pan-resistant pathogenic strains cannot be contained by the low success rates of current drug development. In fact, only a small fraction of the antibiotics approved over the last 40 years represent novel compound classes. If there is no significant future progress, the World Health Organization considers a “post antibiotic era” a realistic future scenario in which, for example, pneumonia and wound infections once again could become acute life-threatening diseases.

This workshop addresses key problems in modern antibiotic research and development from both academic and industrial perspectives and shall raise public awareness that novel antibiotics are indispensable to sustain our future quality of life. At the same time, pointing out the challenges and unavoidable costs of antibiotic drug development may help to change the political attitude towards stronger investments into sustainable scientific programs for drug development, ideally in partnership with global health organizations and industry. Innovative approaches to strengthen the discovery of novel antibiotics and to bridge the translational gap towards the clinical optimization of new therapeutics will be presented.

## CHAIRS

**Achim Hörauf**

Bonn University Medical Center |  
Institute of Medical Microbiology,  
Immunology and Parasitology | Director |  
Germany

**Rolf Müller**

Helmholtz Institute for Pharmaceutical  
Research Saarland (HIPS) | Director |  
Germany

## SPEAKERS

**Heike Brötz-Oesterhelt**

Eberhard-Karls-University Tübingen |  
Department of Microbial Bioactive  
Compounds | Head | Germany

**Antibiotic Research & Development  
in the German Center for Infection  
Research e.V. (DZIF)**

**Matthew Cooper**

The University of Queensland |  
Institute for Molecular Bioscience |  
IMB Centre for Superbug Solutions |  
Director | Australia

**Antibiotic Research & Development  
from the Academic Perspective**

**Heinz Moser**

Novartis Institutes for BioMedical  
Research (NIBR) | Infectious Diseases  
Chemistry | Executive Director |  
United States of America

**Antibiotic Research & Development  
from the Industrial Perspective**

**Laura Piddock**

Global Antibiotic Research &  
Development Partnership (GARDP) |  
Scientific Affairs | Head | Switzerland

**Antibiotic Research & Development  
from the Global Health Perspective**



Heike  
Brötz-Oesterhelt

Heinz  
Moser



Matthew  
Cooper

Rolf  
Müller



Achim  
Hörauf

Laura  
Piddock



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PROGRAM

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**TUESDAY, OCTOBER 16**

PD 08

SAAL 6 | EUROPE  
9:00 – 10:30



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PANEL DISCUSSION

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## HEALTH SYSTEMS STRENGTHENING

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HOSTS

M8 Alliance:

**Johns Hopkins Bloomberg School of Public Health**

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The world has never possessed such a sophisticated arsenal of interventions and technologies for curing disease and prolonging life. Yet the gaps in health outcomes continue to widen. For much of the ill health, disease, premature death, and suffering we see on such a large scale, effective and affordable interventions are available for prevention and treatment.

The power of existing interventions is not matched by the capacity of health systems to deliver them to those in greatest need, in a comprehensive way, and on an adequate scale. Smart investments and efficient system development must be the center piece of domestic policies and financing.



**CHAIR****Adnan A. Hyder**

Johns Hopkins Bloomberg School of Public Health | Health Systems Program |  
Professor and Director | United States of America

The George Washington University | Milken Institute School of Public Health |  
Senior Associate Dean for Research and Professor of Global Health

**SPEAKERS****Diane Gashumba**

Ministry of Health | Minister of Health |  
Rwanda

**Steven Hildemann**

Merck KGaA | Global Medical Affairs  
and Global Drug Safety | Global Chief  
Medical Officer | Germany

**Rüdiger Krech**

World Health Organization (WHO) |  
Universal Health Coverage & Health  
Systems | Director | Switzerland

**Sandhya Venkateswaran**

Bill & Melinda Gates Foundation |  
Policy & Advocacy | Senior Program  
Officer | United States of America



Diane  
Gashumba

Rüdiger  
Krech



Steven  
Hildemann

Sandhya  
Venkateswaran



Adnan A.  
Hyder

## WS 21

SAAL 10 | ASIA  
9:00 – 10:30



Federal Ministry  
for Economic Cooperation  
and Development



Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH

### WORKSHOP

## DIGITAL HEALTH IN DEVELOPING COUNTRIES

Opportunities & Challenges Ahead

### HOSTS

**Federal Ministry for Economic Cooperation and Development (BMZ)**

**German Society for International Cooperation (GIZ)**

The rapid adoption of computers, mobile phones and the internet over the last two decades have transformed the way lives are lived globally. While most cutting-edge innovations in the field of Digitalization are taking place in high-income countries, low and middle-income countries are also undergoing digital transformation albeit to a lesser degree. Going forward, due in part to the continuous decline in the cost of Information and Communication Technology (ICT), the rate of adoption will only keep accelerating allowing for low and middle-income countries to further capitalize on the ICT and Digital revolution.

Across different functions of the health system such as service delivery and resource management, digital tools promise to improve the status quo. This session aims to

- Evaluate the status of digital health development in selected low-middle income countries.
- Analyse successes and determine whether these brought positive changes.
- Explore lessons learnt in the development process.
- Find best practices in stakeholder cooperation to better further the Digital Health agenda.
- Present and adopt the Principles of Donor Alignment for Digital Health

**CHAIR****Kelvin Hui**

German Society for International Cooperation (GIZ) |  
Digital Health and Social Protection | Technical Advisor | Cambodia

**SPEAKERS****Hans-Jochen Heinze**

University of Magdeburg |  
Department of Behavioral Neurology |  
Clinic Director | Germany  
Tele Medical GmbH | Consultant |  
Germany

**Haitham El-Noush**

Norwegian Agency for Development  
Cooperation | Department for Education  
and Global Health | Senior Adviser |  
Norway

**Andrew Likaka**

Ministry of Health | Quality Management  
Directorate | Director | Malawi

**David Stanton**

United States Agency for International  
Development (USAID) |  
Bureau Lead for Digital Health |  
United States of America

**Tim Wood**

Bill & Melinda Gates Foundation |  
Global Development |  
Senior Program Officer |  
United States of America



Haitham  
El-Noush

Andrew  
Likaka



Hans-Jochen  
Heinze

David  
Stanton



Kelvin  
Hui

Tim  
Wood

## WS 22

SAAL 2 | AMERICA  
9:00 – 10:30



### WORKSHOP

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## CITIES AS DRIVERS OF GLOBAL HEALTH

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### HOSTS

**InterAcademy Partnership (IAP)**

**International Society for Urban Health (ISUH)**

**World Federation of Academic Institutions for Global Health (WFAIGH)**

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Cities can be the critical drivers in achieving global health. Over half the world's population already live in urban environments and this number is projected to grow to 70% in the next 2-3 decades, with fastest growth in LMICs. While cities generate 70% of the world's GDP, they also generate 70% of the world's greenhouse gases and global waste and use over 60% of global energy. Cities can be focal points for improving health within and across national boundaries, but to do so requires a fundamental shift from a dominant global health focus on the prevention and treatment of disease in individuals by strengthening health care systems to increase the emphasis on addressing broader determinants of health. Strategies to improve urban

health must recognize that the health of people living in cities is affected by decisions made in all sectors: built and natural environment, economic development, education, and transport and through inclusive models of governance that promote public engagement. This is a major paradigm shift in international development strategy for health reflected in the first ever urban SDG and Habitat's New Urban Agenda.

This session will set the context for the focus on broader determinants of health and the characteristics of cities that affect the success of health initiatives. Speakers will then present examples of urban health initiatives in the public and private sectors followed by discussion.

## CHAIRS

**Jo Ivey Boufford**

New York Academy of Medicine |  
President | United States of America

**John Finnegan**

World Federation of Academic Institu-  
tions for Global Health (WFAIGH) |  
President | United States of America  
University of Minnesota | School of  
Public Health | Dean and Professor |  
United States of America

## SPEAKERS

**Ann Aerts**

Novartis Foundation | Head | Switzerland

**Better Hearts Better Cities:  
A Multisector Initiative Addressing  
Hypertension in Low-Income Urban  
Communities**

**Mark Nieuwenhuijsen**

ISGlobal Barcelona Institute for Global  
Health | Urban Planning, Environment  
and Health Initiative | Director | Spain

**Urban and Transport Planning:  
Impacts on Environment and Health**

**Nelson Sewankambo**

Makerere University Medical School |  
Former Dean | Uganda  
Uganda national Academy of Sciences |  
President | Uganda

**Urbanization in East Africa and  
the Role of Academies of Science**



Ann  
Aerts

Mark  
Nieuwenhuijsen



Jo Ivey  
Boufford

Nelson  
Sewankambo



John  
Finnegan

## WS 23

SAAL 4 | AFRICA  
9:00 – 10:30



### WORKSHOP

## POPULATION BASED COHORT STUDIES AND HEALTH PREDICTION

Challenges and Perspective, from Bioinformatics to Machine-Learning

### HOSTS

M8 Alliance:

**Charité – Universitätsmedizin Berlin**

**Max-Delbrück-Centrum für Molekulare Medizin (MDC)**

Although life expectancy in most countries has continuously increased over the past decades, the importance of chronic diseases will considerably grow over the next 30 years due to the demographic changes in many countries. Effective strategies for the prevention of chronic diseases require accurate data about the causes of these diseases and about the potential magnitude of decrease in chronic disease occurrence by avoiding major risk factors. Prospective cohorts represent the optimal design for epidemiologic studies on the causes of chronic diseases. Such cohort studies have a long tradition and already provided important information on risk factors for decision making in many areas, such as lifestyle (e.g. smoking), nutrition (e.g. obesity), environmental factors (e.g. air pollution), or medicine (e.g. high blood pressure).

Yet, the etiology of many diseases is still not completely understood, and many risk factors are only incompletely characterized. In addition, the rapid advancement of modern high-throughput laboratory techniques and computational developments hold promise for more precise risk characterization in the field of personalized prevention. Over the past years, many countries have therefore supported the implementation of newer, large-scale cohort studies. The current workshop will present and discuss current opportunities and challenges of large population based cohort studies from different angles, including science and policy. This includes discussion of the experience of longer established cohort studies, as well as of expectations from newer large-scale cohort studies.

**CHAIRS****Tobias Pischon**

Max Delbrück Center for Molecular Medicine (MDC) | Head of Molecular Epidemiology Research Group | Germany

**Yik-Ying Teo**

National University of Singapore (NUS) | Saw Swee Hock School of Public Health | Dean | Singapore

**SPEAKERS****Tobias Pischon**

Max Delbrück Center for Molecular Medicine (MDC) | Head of Molecular Epidemiology Research Group | Germany

**Introduction****Christoph Lippert**

Max Delbrück Center for Molecular Medicine (MDC) | Group Leader Statistical Genomics | Germany  
Hasso Plattner Institute | Faculty of Digital Engineering | Researcher | Germany

**Machine Learning****Annette Peters**

Helmholtz Zentrum München German Research Center for Environmental Health | Institute of Epidemiology | Director | Germany

**NAKO Study****DISCUSSANT****Nicola Perrin**

Wellcome Trust | Data for Science and Health Priority | Head | United Kingdom

**Elio Riboli**

Imperial College London | Faculty of Medicine | School of Public Health | Chair in Cancer Epidemiology and Prevention | United Kingdom

**Research and Public Health Lessons Learnt from the European Prospective Investigation on Cancer****Yik-Ying Teo**

National University of Singapore (NUS) | Saw Swee Hock School of Public Health | Dean | Singapore

**Singapore Studies****Solomon Iyasu**

MSD (Merck Sharp & Dohme) | Center for Observational and Real-World Evidence (CORE) | Vice President and Head of Pharmacoepidemiology | United States of America



Solomon Iyasu

Tobias Pischon



Christoph Lippert

Elio Riboli



Nicola Perrin

Yik-Ying Teo



Annette Peters

## WS 24

SAAL 5 | OCEANIA  
9:00 – 10:30



MAKERERE UNIVERSITY



### WORKSHOP

## DEVELOPING GLOBAL HEALTH IN ACADEMIC INSTITUTIONS AND MEDICAL CENTERS

Learning from Different Approaches and Experiences

### HOSTS

Charité – Universitätsmedizin Berlin

Makerere University

M8 Alliance

Tehran University of Medical Sciences (TUMS)

Academic medical centers are primarily tasked with ensuring that regional and national healthcare systems function, both now and in the future, by providing education, research and patient care. At the same time, universities are expected to educate autonomous, open and responsible individuals. As the world is becoming ever more globalized, terms like global citizenship, global impact and global health increasingly find their way into the mission statements and internationalization strategies of universities, including academic medicine. However, operationalizing global health in an institution comes with a number of challenges and questions.

The session analyzes how academic medical centers around the world deal with global health: What are their motivations to become involved? What role do

universities play in achieving the Sustainable Development Goals? Given that global health is highly interdisciplinary, how can universities harness the diversity of academic discipline and subject cultures for maximizing their impact? How do they organize and institutionalize global health and how do they finance their global health work? What are the barriers? What do future practitioners expect from global health education and training? How can teaching, research and patient care be effectively linked in the context of global health? What role do North-South or South-South partnerships play, and in what way do they need to be designed in order to ensure that both partners benefit? What opportunities are there to team up with non-university partners in global health? And last but not least, are current approaches suitable to reach their aims?



**CHAIR****Michael H. Merson**

Duke University | Department of Global Affairs |  
Vice President and Vice Provost | United States of America

**SPEAKERS****Karin Geffert**

Global Health Project (GandHI) |  
Project Lead | Germany  
German Medical Students Association  
(bvmd) | National Public Health Officer |  
Germany

**Charles Ibingira**

Makerere University | University College  
of Health Sciences | Principal | Uganda

**Ali Jafarian**

Tehran University of Medical Sciences  
(TUMS) | Professor | Iran

**Axel Radlach Pries**

Charité - Universitätsmedizin Berlin |  
Dean | Germany

**Asghar Rastegar**

Yale University | Office of Global Health |  
Director | United States of America

**Oliver Razum**

Bielefeld University | School of Public  
Health | Dean & Head of Department  
of Epidemiology & International Public  
Health | Germany



Karin  
Geffert

Axel Radlach  
Pries



Charles  
Ibingira

Asghar  
Rastegar



Ali  
Jafarian

Oliver  
Razum



Michael H.  
Merson

**PD 09**

SAAL 6 | EUROPE  
11:00 – 12:30

BILL & MELINDA  
GATES *foundation*

Grand Challenges



PANEL DISCUSSION

**INNOVATION FOR IMPACT**

The Grand Challenges Model

**HOSTS**

**Bill & Melinda Gates Foundation**  
**Grand Challenges**

The session will explore the challenges of building vibrant local innovation ecosystems in low-resource settings, and ways that partners from the private and public sectors are tackling those challenges around the world. The session will specifically introduce World Health Summit participants to Grand Challenges and share its approach to helping local innovators secure funding, connect to local and regional innovation networks and catalyze dedicated health and development innovation communities.

Speakers, representing the Grand Challenges global network, will share how Grand Challenges has evolved over the past decade and supports local innovators in their efforts to address local challenges. They will also explore how the Grand Challenges model strengthens the global innovation ecosystem, complements other innovation platforms and is seeking to help address specific, urgent health challenges.

Public sector representatives may also speak to national and regional R&D prioritization processes and the link between these priorities and the Grand Challenges portfolios of work.

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**CHAIR****Steven Buchsbaum**Bill & Melinda Gates Foundation | Deputy Director | United States of America

---

**SPEAKERS****Steven Buchsbaum**

Bill &amp; Melinda Gates Foundation | Deputy Director | United States of America

**Raquel Coelho**

National Council for Scientific and Technological Development Brazil | Health | Coordinator | Brazil

**Thomas Kariuki**

Alliance for Accelerating Excellence in Science in Africa (AESAs) | Director | Kenya

**Shirshendu Mukherjee**

Grand Challenges India | Mission Director | India

**Karlee Silver**

Grand Challenges Canada (GCC) | Programs | Co-Chief Executive Officer (Interim) | Canada

Steven  
BuchsbaumShirshendu  
MukherjeeRaquel  
CoelhoKarlee  
SilverThomas  
Kariuki

## WS 25

SAAL 10 | ASIA  
11:00 – 12:30



International Federation  
of Pharmaceutical  
Manufacturers & Associations

### WORKSHOP

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## ACCESS TO ESSENTIAL MEDICINES

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### HOST

#### **International Federation of Pharmaceutical Manufacturers & Associations (IFPMA)**

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The Sustainable Development Goals acknowledge needs to improve the availability of affordable medicines for the world's poor. Several countries have made substantial progress towards increasing access to essential medicines and treatments to fight HIV/AIDS, malaria and tuberculosis, but access to essential medicines in developing countries is not

adequate and new challenges include the access to NCD medicines. Recent progress in a number of countries show that access to essential medicines can be improved through stronger partnership among governments, pharmaceutical companies and civil society, including consumers, working together to ensure universal access to essential medicines.

**CHAIR****Greg Perry**

International Federation of Pharmaceutical Manufacturers & Associations (IFPMA) |  
Assistant Director General | Switzerland

**SPEAKERS****Jayasree Iyer**

Access to Medicine Foundation |  
Executive Director | Netherlands

**Helen McGuire**

PATH | Program Leader,  
Noncommunicable Diseases |  
United States of America

**Frédérique Santerre**

Merck Serono SA | Access to Health |  
Global Head | Switzerland

**Subhanu Saxena**

Bill & Melinda Gates Foundation |  
Regional Director Life Science Europe |  
United States of America

**Mariângela Simão**

World Health Organization (WHO) |  
Access to Medicines, Vaccines and  
Pharmaceuticals | Assistant Director  
General | Switzerland

**Gerald Yonga**

East Africa NCD Alliance | Chair | Kenya



Jayasree  
Iyer

Subhanu  
Saxena



Helen  
McGuire

Mariângela  
Simão



Greg  
Perry

Gerald  
Yonga



Frédérique  
Santerre

## WS 26

SAAL 2 | AMERICA  
11:00 – 12:30



Federal Ministry  
for Economic Cooperation  
and Development

### WORKSHOP

## CHALLENGES AND BREAKTHROUGHS ON THE ROAD TO UNIVERSAL HEALTH COVERAGE

### HOST

**Federal Ministry for Economic Cooperation and Development (BMZ)**

#### Background

SDG 3.8 on UHC envisions that by 2030 all people can use the health services they need, of sufficient quality to be effective, and without facing financial hardship. Despite strong international support for UHC, country level implementation remains challenging. Multi-sectoral approaches involving the whole of government and society are key to generate political will for investment in UHC and drive appropriate reforms.

#### Aims

In light of the joint responsibility for UHC, this session bridges the gap between the global UHC agenda and national implementation. It explores what needs to change (challenges) and what needs to be preserved and strengthened (breakthroughs) on the road to UHC.

Health, social protection, finance and governance experts illustrate interdisciplinary perspectives on what their sectors offer to UHC and vice versa. High-, middle- and low income countries exchange and learn from each other's experience in aligning conflicting interests to strengthen political will and investments for UHC.

**CHAIR****Ilona Kickbusch**

The Graduate Institute of International and Development Studies |  
Global Health Center | Director | Switzerland

**SPEAKERS****Oladipupo Hameed**

Roche Products Ltd. | Gastroenterologist  
& Former Regional Medical Director |  
Nigeria

**Piya Hanvoravongchai**

Chulalongkorn University |  
Faculty of Medicine | Professor  
Equity Initiative: Transformative Leaders  
for Health Equity | Thailand

**Andrew Likaka**

Ministry of Health | Quality Management  
Directorate | Director | Malawi

**Sabine Schlacke**

University of Münster (WWU) |  
Institute of Environmental and  
Planning Law | Professor | Germany  
Advisory Council on Global Change |  
Germany

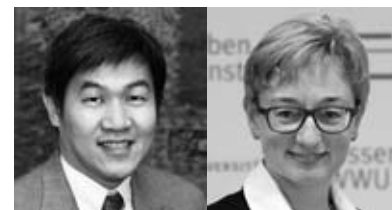
**Amirhossein Takian**

Tehran University of Medical Sciences |  
Department of Global Health & Public  
Policy | Chair and Professor | Iran



Oladipupo  
Hameed

Andrew  
Likaka



Piya  
Hanvoravongchai

Sabine  
Schlacke



Ilona  
Kickbusch

Amirhossein  
Takian

## WS 27

SAAL 4 | AFRICA  
11:00 – 12:30

 MONASH University

LONDON  
SCHOOL of  
HYGIENE  
& TROPICAL  
MEDICINE 

**M8 Alliance**  
Academic Health Centers, Universities and National Academies

### WORKSHOP

## PROTECTING PUBLIC HEALTH FOLLOWING ENVIRONMENTAL DISASTERS

Disaster Management

### HOSTS

M8 Alliance:  
**Monash University**

M8 Alliance:  
**London School of Hygiene & Tropical Medicine (LSHTM)**

Major environmental disasters are occurring with increasing frequency in high, middle and low income countries around the world. They pose a major challenge for authorities including Environment Protection Agencies and Health Departments. A major responsibility for government is the protection of public health and emergency responders. However, decisions about whether to evacuate populations at risk typically have to be made urgently without good data or

complete knowledge of likely health effects. This session will present some case studies of air pollution, chemical and radiation hazards, and long term followup after a terrorist attack or hurricane. There are common lessons about community engagement, risk perception and risk communication. Some guidelines will be proposed for ethical conduct of research with affected communities to better inform responses by authorities to future environmental disasters.



**CHAIRS****Michael Abramson**

The Alfred Centre - Monash University |  
Department of Epidemiology  
and Preventive Medicine | Deputy Head |  
Australia

**Erik Svendsen**

Medical University of South Carolina  
(MUSC) | Public Health Sciences |  
Professor | United States of America

**SPEAKERS****Michael Abramson**

The Alfred Centre - Monash University |  
Department of Epidemiology and  
Preventive Medicine | Deputy Head |  
Australia

**Long Term Health Effects Following  
a Fire in an Open Cut Coal Mine****Heidi J. Larson**

London School of Hygiene & Tropical  
Medicine | Department of Infectious  
Disease Epidemiology | Director of the  
Vaccine Confidence Project |  
United Kingdom

**Engaging Communities and Building  
Trust in Times of Uncertainty****Shao Lin**

University at Albany | School of Public  
Health | Environmental Health Sciences |  
Professor | United States of America

**Long Term Follow-up of the World  
Trade Center and Hurricane Sandy****Erik Svendsen**

Medical University of South Carolina  
(MUSC) | Public Health Sciences |  
Professor | United States of America

**Community Recovery Following  
a Mass Chlorine Leak****Shunichi Fukuhara**

Kyoto University | School of Public  
Health | Dean Emeritus | Japan  
**Sequelae of an Earthquake,  
Tsunami and Nuclear Crisis:  
6 Years and a Half after March 11, 2011**

**DISCUSSANT****Kazuhira Maehara**

Fukushima Medical University |  
Shirakawa Academy for General Medicine | Professor | Japan



Michael  
Abramson

Shao  
Lin



Shunichi  
Fukuhara

Kazuhira  
Maehara



Heidi J.  
Larson

Erik  
Svendsen

**WS 28**

SAAL 5 | OCEANIA  
11:00 - 12:30



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**WORKSHOP**

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## **MEDICAL RESEARCH IN OUTER SPACE**

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**HOST**

**German Aerospace Center (DLR)**

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It is the overarching aim of this session to deal with the impact of environment, especially climate change, on human health and performance in space and on earth. Emphasis will be given on crosslinks between research topics such as ageing, cardiovascular, thermoregulatory, and psychological adaptations in space and other extreme environments.

Furthermore, advanced physiological monitoring and environmental simulation technologies designed for space and now used on earth will be presented. It will be seen that space technology and space medicine are today's drivers in innovation, helpful for the development of an effective personalized and preventive medicine in future health care.

**CHAIR****Jens Jordan**

German Aerospace Center (DLR) | Institute of Aerospace Medicine |  
Director | Germany

**SPEAKERS****Daniel Aeschbach**

German Aerospace Center | Institute  
of Aerospace Medicine | Department of  
Sleep and Human Factors Research |  
Head | Germany

**Hanns-Christian Gunga**

Charité – Universitätsmedizin Berlin |  
Institute for Physiology | Director |  
Germany

**Dietrich Manzey**

Technical University of Berlin |  
Work, Engineering & Organizational  
Psychology | Head | Germany

**Thomas Reiter**

European Space Agency |  
ESA Interagency Coordinator | Germany



Daniel  
Aeschbach

Dietrich  
Manzey



Hanns-Christian  
Gunga

Thomas  
Reiter



Jens  
Jordan

## KEY 04

SAAL 1  
RUDOLF VIRCHOW  
13:30 – 15:00



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### KEYNOTE

## HEALTHY LIVES AND WELL-BEING FOR ALL

How Multi-Sectoral Cooperation makes a Difference

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### HOSTS

**World Health Organization (WHO)**

**World Health Summit**

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The adoption of the 2030 Agenda for Sustainable Development has spurred opportunities for greater cohesion and maximizing effectiveness and efficiency across a spectrum of different sectors and stakeholders, including those involved in achievement of SDG3 and the health-related targets.

At present there is additional momentum towards greater synergy and cohesion as global health organizations engage in developing an SDG3 Action Plan, led by WHO. This partnership effort in moving

the global health agenda forward also requires political engagement and financial support across all stakeholders who can contribute to health.

How can this be achieved? How should governments, civil society, the private sector and academia, in addition to multilateral health organizations, advance multilateral approaches and work together to strengthen global health governance so as to ensure healthy lives and well-being for all?

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**CHAIR**
**Bernhard Schwartländer**

World Health Organization (WHO) | Chef de Cabinet | Switzerland

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**SPEAKERS****Trevor Mundel**

Bill & Melinda Gates Foundation |  
Global Health Division | President |  
United States of America

**Caroline T. Roan**

Pfizer Inc. | Corporate Responsibility |  
Vice President | United States of America  
Pfizer Foundation | President |  
United States of America

**Peter Sands**

The Global Fund to Fight AIDS,  
Tuberculosis and Malaria |  
Executive Director | Switzerland

**H.E. Toyin Ojora Saraki**

Wellbeing Foundation Africa |  
Founding President | Nigeria

**Mariângela Simão**

World Health Organization (WHO) |  
Assistant Director General,  
Access to Medicines, Vaccines and  
Pharmaceuticals | Switzerland



Trevor  
Mundel

H.E. Toyin Ojora  
Saraki



Caroline T.  
Roan

Bernhard  
Schwartländer



Peter  
Sands

Mariângela  
Simão

## PD 10

SAAL 6 | EUROPE  
13:30 - 15:00



### PANEL DISCUSSION

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## THE DIGITAL HEALTHCARE REVOLUTION

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### HOSTS

**Commonwealth Centre for Digital Health**

**Global Digital Health 2030 Innovation Task Force**

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A growing, ageing global population will have a profound impact on health spending across the world, predicted to rise to \$9.3 trillion by 2018. New technological developments are responding by increasingly blurring the boundaries between the physical, biological and digital worlds. Technology aims to personalize medicine in order to tailor treatments to individual patients based on their genetic makeup. This revolution has the potential to benefit the health of all and increase patient empowerment but it can also lead to new ethical challenges and increase health inequities.

In 2018, with the landmark passage of the World Health Assembly Resolution on “Digital Health” in May, and the call for the WHO Director General to deliver a “Global Strategy on Digital Health” to member states by May 2020, the stakes for advancing a truly global market in Universal Health Coverage (UHC) and the health-related Sustainable Development Goals (SDGs) by 2030 have taken on a new dimension. The next step is ensuring global cooperation and collaboration for the sustainability of innovations, their feasibility, scale-up and inclusivity.

**CHAIR****Denis Gilhooly**

Commonwealth Centre for Digital Health | Chief Strategy Officer | United Kingdom  
Global Digital Health 2030 Innovation Task Force | Founder & CEO

**SPEAKERS****Christine Dingivan**

Novartis | Portfolio Strategy and Innovation | Global Head | United States of America

**Martin Hirsch**

Assistance Publique – Hôpitaux de Paris (AP HP) | Director-General | France

**Dykki Settle**

PATH | Digital Health | Global Program Leader | United States of America

**Päivi Sillanaukee**

Ministry of Social Affairs and Health | Permanent Secretary | Finland

**Despina Spanou**

European Commission | Director for Digital Society, Trust and Cybersecurity | Belgium



Christine  
Dingivan

Dykki  
Settle



Denis  
Gilhooly

Päivi  
Sillanaukee



Martin  
Hirsch

Despina  
Spanou

## KEY 05

SAAL 1  
RUDOLF VIRCHOW  
15:30 – 17:00



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### KEYNOTE

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## THE SDG3 GLOBAL ACTION PLAN FOR HEALTH AND WELL-BEING

Ensuring Impact where it Matters Most

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### HOSTS

**World Health Organization (WHO)**

**World Health Summit**

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The ultimate success of the SDGs will be measured by their impact on the prosperity and well-being of people and the planet, particularly the extent to which the SDGs 'leave no one behind'. Initiatives such as the SDG3 Global Action Plan for health and well-being endeavour to build a foundation of greater cohesion among global health actors in support of countries' achievement of the health-related SDGs. But accelerating the pace of progress will require increased government cooperation at country level as well as enhanced stakeholder engagement across sectors – at global, regional, national and sub-national levels.

This ministerial panel will discuss how best to catalyze political leadership to promote health, keep the world safe and serve the vulnerable as expressed in the shared purpose of WHO. It will explore the impediments and the keys to success for achieving these objectives, and propose how political actors can support a transformative approach to health and development.



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**CHAIR**
**Ilona Kickbusch**

The Graduate Institute of International and Development Studies |  
Global Health Center | Director | Switzerland

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**SPEAKERS****Jens Spahn**

Ministry of Health (BMG) |  
Minister of Health | Germany

**Gerd Müller**

Ministry for Economic Cooperation  
and Development (BMZ) |  
Minister for Economic Cooperation  
and Development | Germany

**Jane Ruth Aceng**

Ministry of Health | Minister of Health |  
Uganda

**Verónica Espinosa**

Ministry of Health | Minister | Ecuador

**Tedros Adhanom Ghebreyesus**

World Health Organization (WHO) |  
Director-General



Jane Ruth  
Aceng

Ilona  
Kickbusch



Verónica  
Espinosa

Gerd  
Müller



Tedros Adhanom  
Ghebreyesus

Jens  
Spahn

**JKEY**  
ESTREL HOTEL BERLIN  
18:00 - 20:00

JOINT KEYNOTE

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**GRAND CHALLENGES /  
WORLD HEALTH SUMMIT**

@ Estrel Hotel Berlin

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HOSTS

Bill & Melinda Gates Foundation

German Federal Ministry of  
Education and Research (BMBF)

Grand Challenges

Grand Challenges Canada

United States Agency for  
International Development (USAID)

Wellcome Trust

World Health Summit

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BILL & MELINDA  
GATES *foundation*



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Grand Challenges



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Grand Challenges Canada  
Grands Défis Canada



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**SPEAKERS INCLUDE****Angela Merkel**

Federal Republic of Germany |  
Chancellor

**Erna Solberg**

Norway | Prime Minister

**Tedros Adhanom Ghebreyesus**

World Health Organization (WHO) |  
Director-General

**Bill Gates**

Bill & Melinda Gates Foundation |  
Co-Chair

**Detlev Ganten**

World Health Summit | President



Angela  
Merkel

Bill  
Gates



Erna  
Solberg

Detlev  
Ganten



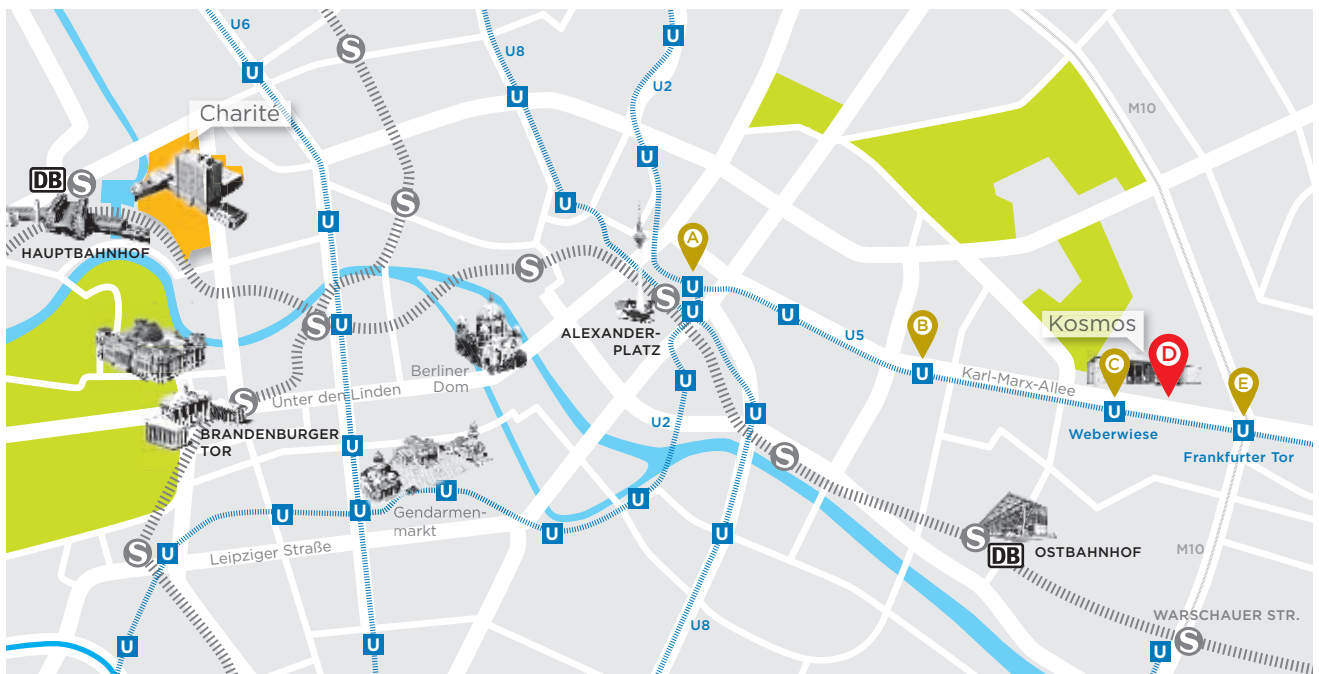
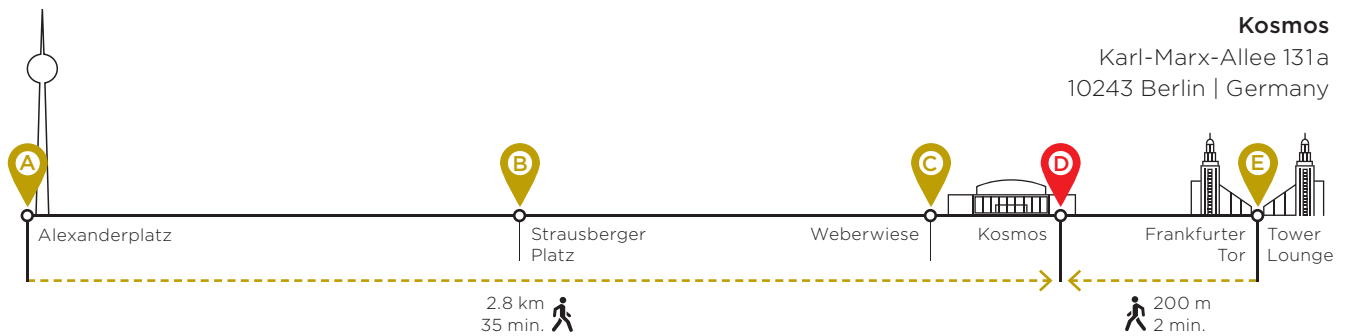
Tedros Adhanom  
Ghebreyesus



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## GENERAL INFORMATION

## HOW TO GET TO THE WORLD HEALTH SUMMIT



**From Tegel Airport (TXL)**

Take the bus line “TXL” to “Alexanderplatz” and change to the underground line “U5” in the direction of “Hönow”. Exit at the third stop at “Weberwiese”. The Kosmos will be 300 meter down the road to the east.

**Duration: about 60 minutes**

**Ticket: “Berlin Tarifgebiet A-B” (€2.80)**

**From Schönefeld Airport (SXF)**

Take the train “RE7” in the direction of “Hauptbahnhof”, exit at “Alexanderplatz” and change to the underground line “U5” in the direction of “Hönow”. Exit at the third stop at “Weberwiese”. The Kosmos will be 300 meter down the road to the east.

**Duration: about 40 minutes**

**Ticket: “Berlin Tarifgebiet A-B-C” (€3.40)**

**From Berlin, Hauptbahnhof (Mainstation)**

Take the train line “S7” in the direction of “Ahrensfelde”, exit at “Alexanderplatz” and change to the underground line “U5” in the direction of “Hönow”. Exit at the third stop at “Weberwiese”. The Kosmos will be 300 meter down the road to the east.

**Duration: about 20 minutes**

**Ticket: “Berlin Tarifgebiet A-B” (€2.80)**

**From Berlin, Alexanderplatz**

Take the underground line “U5” in the direction of “Hönow”. Exit at the third stop at “Weberwiese”. The Kosmos will be 300 meter down the road to the east.

**Duration: about 10 minutes**

**Ticket: “Berlin Tarifgebiet A-B” (€2.80)**

**By car**

If you arrive by car you can use the underground parking lot right at the venue.

**Berlin WelcomeCard**

The Berlin WelcomeCard enables free travelling with all public transport services, discounts of at least 25% and up to 50% at around 200 participating partners, and a travel guide with various tour suggestions and insider tips. You can order your ticket at [www.berlin-welcomecard.de/en](http://www.berlin-welcomecard.de/en)

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### ACCESS TO THE VENUE / SECURITY

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To enter the World Health Summit venue participants are required to present a valid identity card / passport or a similar personal identification document (photo included). Please be advised that due to security reasons, all participants will be subject to a security check including a passport identification confirmation. We kindly ask you to refrain from bringing your luggage to the venue, as this will slow down the security check process.

### AVAILABILITY

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Please note that the capacity of the venue and of single session rooms is limited. If the maximum number of participants is reached, the organizers reserve the right to refuse access.

### CLOAKROOM

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The cloakroom is located on the left side of the venue and open during the whole event.

### COFFEE BREAKS

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Refreshments will be served during the coffee breaks.

### CURRENCY

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The currency used in Berlin is the Euro (€ or EUR). Automated teller machines (ATMs), are located everywhere in Berlin and they accept most main credit cards such as Visa, Mastercard and American Express.

### EMERGENCY NUMBERS

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Fire: 112  
Ambulance: 112  
Police: 110

### FILMING AND TAKING PICTURES

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The organizer will provide a broad spectrum of pictures and other graphical material for the representation of all World Health Summit events. These files will be made available at [www.worldhealthsummit.org](http://www.worldhealthsummit.org).

### HOMEPAGE

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For up-to-date information regarding the World Health Summit, please visit [www.worldhealthsummit.org](http://www.worldhealthsummit.org).



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## INSURANCE AND LIABILITY

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The organizers cannot accept liability for personal injury, loss of or damage to belongings of participants, either during or as a result of the World Health Summit. Please check the validity of your own insurance. Attendees are advised to arrange their own adequate travel and medical insurance for medical treatment, accidents, cancellation of bookings etc. No responsibility will be accepted by the World Health Summit organizers.

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## INTERNET/WIRELESS LAN

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Complimentary Wi-Fi will be available within the venue:

Name: [WorldHealthSummit](#)

Password: [#WHS2018](#)

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## LANGUAGE

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The official World Health Summit language is English. There will be no simultaneous translation.

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## LUNCHES

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Lunches will be available during the lunch breaks.

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## MEDIA

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Media representatives have access to all official sessions of the World Health Summit. Prior accreditation is required via [www.worldhealthsummit.org/media/accreditation](http://www.worldhealthsummit.org/media/accreditation)

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## MOBILE PHONES

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As a courtesy to speakers and other attendees, we kindly request that all mobile phones and similar devices will be turned to silent mode before entering a session.

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## NAME BADGE

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A badge is required for admittance to all World Health Summit sessions and events. Each participant is asked to present the badge in order to gain access to the venue.

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## PEOPLE WITH DISABILITIES

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The venue is accessible to participants with disabilities. Please contact the Secretariat for assistance: Phone: +49 30 49855031 or [contact@worldhealthsummit.org](mailto:contact@worldhealthsummit.org)

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## LOST AND FOUND

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Lost items can be collected at the registration desk during the World Health Summit. Any objects found during the event and not claimed will remain at the venue.

## LIVE-STREAM / WEBCASTS

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All keynotes and panel discussions will be available as live-stream at [www.worldhealthsummit.org](http://www.worldhealthsummit.org)

Recorded webcasts will be available online after the event.

## PARKING

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An underground parking lot right at the venue is available.

## PROGRAM CHANGES

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The organizers cannot assume liability for any changes in the program due to external or unforeseen circumstances. Please check the website for regular updates. The organizers reserve the right to cancel, postpone, relocate or change any of the sessions.

## POSTERS

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A poster exhibition will be located at the poster area in front of Saal 7 | Elizabeth Blackwell.

## PUBLIC TRANSPORTATION

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Berlin's public transport provides safe and comfortable rides to almost all destinations in the city. Tickets can be purchased directly at most train stations and in all busses.

More information: [www.bvg.de](http://www.bvg.de)

## REGISTRATION

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The registration desk is open during the following times:

Sunday, October 14, 2018	09:00 - 22:00
Monday, October 15, 2018	08:00 - 22:00
Tuesday, October 16, 2018	08:00 - 18:00

## SMOKING POLICY

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It is forbidden to smoke in any part of the World Health Summit venue.

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## SPEAKER CENTER

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All speakers and presenters must report to the Speaker Center, located on the first floor, opposite of the entrance, at least two hours prior to their presentation in order to check and upload their presentation. Please provide the data on a USB memory stick or a CD-ROM. Please note that you cannot run the presentation from your personal laptop in the session room. Video support is at the sole responsibility of the speaker.

The Speaker Center is open during the following times:

Sunday, October 14, 2018	09:00 - 18:00
Monday, October 15, 2018	08:00 - 18:00
Tuesday, October 16, 2018	08:00 - 17:00

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## TAXIS

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All official taxis are colored off-white with a yellow taxi sign on the roof. The meter starts at a set minimum price.

Major Taxi Hotlines:

Taxi Berlin	+49 30 202020
Taxi Würfelfunk	+49 30 210101
Taxi Funk	+49 30 443322

If there is no taxi available, please ask the registration desk staff for assistance.

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## TRAINING COURSE

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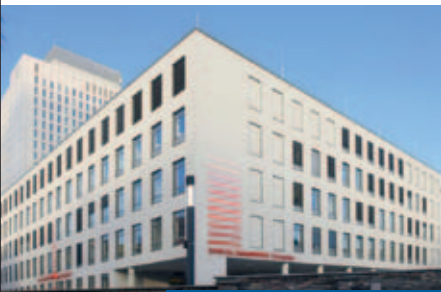
Visiting physicians are accredited 6 points per day by the Berlin Chamber of Physicians. Please refer to the registration desk for further information.

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## BERLIN HEALTH EXCELLENCE - EXPERTISE AND CUTTING-EDGE MEDICINE MADE IN BERLIN

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Berlin's success as a health capital reflects a 300-year tradition as a healthcare and scientific centre. More than a dozen Nobel Prize winners worked here, including researchers such as Rudolf Virchow and Robert Koch. More than 90 hospitals with about 22,000 beds and with 9,900 doctors on duty, respectively an additional number of 9,200 doctors performing outpatient care make Berlin one of the cities with the highest numbers of doctors in Germany. Patients can thus find medical specialists for every disease. About 17,000 to 21,000 international patients are travelling to Berlin annually in order to undergo medical treatment.



For more information  
about Berlin as a meeting  
destination, go to  
[convention.visitBerlin.com](http://convention.visitBerlin.com)

One of Berlin's most famous medical institutions is the renowned Charité, Europe's largest university hospital and one of Germany's leading hospitals. World-renowned scientists of

the Charité cooperate closely with recognized research organizations such as the Massachusetts Institute of Technology in Boston. Other famous examples are the German Heart Centre – a top-level hospital for heart and vascular diseases under the leadership of world famous heart surgeon Professor Dr. med. Volkmar Falk – or Vivantes – with its nine clinics and several rehabilitation centres being Germany's largest hospital group. Many more hospitals and doctor's surgeries could be mentioned as all of them are offering top-class medical treatment and provide medical experts of all disciplines.

Medical care at the highest level requires a strong collaboration between scientists and practitioners. Berlin is a leading centre of science and research in Europe, especially focusing on medicine. Four universities, the Charité teaching hospital, seven universities of applied sciences and over 30 private universities offer teaching and research facilities for people from all over the world. Germany's most important research organizations such as the Fraunhofer-Gesellschaft or the Max Planck Society are based in Berlin and successful technology parks like the tech-hub Adlershof or biotech park Campus Berlin-Buch established here.

This environment also makes Berlin a popular destination for international congresses in science and medicine: twenty per cent of the approximately 65,800 meetings, conventions and events held in the first half of 2018 were in the fields of medicine, healthcare and pharmaceuticals. International conferences such as the World Health Summit show that the German capital has been able to consolidate its strong position as a destination for medical events.

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## BERLIN - CAPITAL OF CULTURE

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Apart from the excellent quality of medicine, the capital of Germany with its green character, several parks and leisure facilities offers many ways to relax or support the patients' recovery. Guests from abroad are increasingly investing in their health during their stay. It is only in Berlin that visitors can so perfectly combine health consciousness, culture and lifestyle.

Cultural experiences in Berlin are of great variety. From ancient art by the Old Masters to avant-garde design, from classical opera to musicals to pop concerts, Berlin's cultural calendar leaves nothing to be desired. For all seasons, at all hours and for every taste, Berlin has something to offer – 365 days a year, 24 hours a day. Visitors to the capital can choose from around 1,500 events a day.

Culture and art enthusiasts can also admire new styles and prominent works from all eras every day in Berlin's over 180 museums and approximately 440 galleries. The city's best known museums include the five buildings at Museum Island (Museumsinsel), which is in the historic centre. All buildings display valuable artistic treasures from 3,000 years of human history, e.g. the famous bust of Nefertiti in the New Museum, while the New National Gallery and Martin-Gropius-Bau present contemporary art.



For more events, visit  
[www.365-24.berlin](http://www.365-24.berlin)

Berlin is the world's only city to have three opera houses: the Berlin State Opera (Berliner Staatsoper), the Deutsche Oper and the Komische Oper. Classical music lovers can choose from a repertoire of famous works, such as Mozart's Don Giovanni, or new and experimental operas. Apart from these opera houses, the city's eight large orchestras, including the world famous Berlin Philharmonic conducted by Kirill Petrenko, also make for high-class musical enjoyment.

This autumn's cultural highlights include two top exhibitions in the Martin-Gropius-Bau: "Gurlitt: Status Report" shows around 250 artworks from the "2012 Munich artworks discovery", which caused a worldwide sensation. The exhibition not only makes works lost over decades accessible again, but also conveys the history behind each individual artwork. The exhibition "Restless Times. Archaeology in Germany", on the other hand, presents spectacular archaeological finds in Germany such as the Nebra Sky Disk.

"A Dedication of Love to Life": the new show "VIVID" at the Friedrichstadt Palast inspires with a spectacular stage design and unusual acrobatics. The extravagant headdress is the work of hat maker Philip Tracey, who has already worked for the Queen, Madonna and Lady Gaga.

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**Layout**

Eta Friedrich, Berlin

**Printer**

Laserline, Berlin

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