## Day 1 Mar. 20

## **Morning Plenary Session**

### 0900 Plenary Panel: Revolutionizing Global Health: The Future of Vaccine Technology and Innovation

The global pandemic has accelerated innovation in vaccine development, pushing forward technologies like mRNA and viral vector platforms. As we move toward the next decade, the question remains: how can we ensure these breakthroughs continue to revolutionize healthcare globally? This panel will explore emerging vaccine platforms, personalized vaccines, and the role of Al in streamlining vaccine research.

### 0945 Plenary Panel: Global Vaccine Equity: Overcoming Challenges in Distribution and Access

While significant progress has been made in developing vaccines for diseases like COVID-19, achieving equitable distribution remains a challenge. This panel will focus on addressing global disparities in vaccine access, including the role of international cooperation, local manufacturing, and public-private partnerships.

#### 1030 Tea Break

## 1100 Keynote: Innovative Vaccine Platforms: Accelerating Global Health R&D (TBD)

Francesco Berlanda Scorza, VP, R&D, Global Health R&D Vaccines Head and GVGH Institute Director, GSK, Italy

#### 1125 Keynote: TBC

Dan Barouch, Professor, Harvard Medical School; Director, Center for Virology and Vaccine Research Beth Israel Deaconess Medical Center, USA

1150 Keynote: TBD

**1230 Lunch** 

Day 1 Mar. 20					
Afternoon Session					
Respiratory diseases/Flu/Covid	Cancer vaccine & immunotherapy	DCVMN Forum	Mucosal immunization		
Chair: Yuelong Shu, Director, Institute of Pathogen Biology, CAMS & PUMC, China	1330 TBD  David Weiner, EVP, The Wistar Institute, USA	1330 Strengthening Vaccine Manufacturing Capacity in Developing Countries: The Role of DCVMN	Chair: Ling Chen, Professor, Guangzhou Laboratory, China		
1330 Pan-sarbeCoV vaccine: a dream or reality? Linfa Wang, Professor, Duke-NUS Medical School, Singapore  1355 TBC Peter L. Andersen, Chief Scientific Advisor, Infectious Diseases, Novo Nordisk Foundation, Denmark	1355 Development of mRNA vaccines: from infectious diseases to oncology Ruben Rizzi, Senior Vice President Global Regulatory Affairs, BioNTech, Germany  1420 TBC  1445 TBC  1510 Precision treatment of pancreatic	Rajinder Suri, CEO, DCVMN International, Switzerland  1355 Overview of HPV vaccine development and global vaccine introduction status Peter Dull, Deputy Director at Bill & Melinda Gates Foundation, USA  Innovative Vaccine Platforms: Leveraging	Mucosal immunization represents a transformative approach to vaccine delivery, harnessing the immune system's natural defense mechanisms at mucosal surfaces to provide robust and long-lasting protection against infectious diseases. This half-day symposium at VIF World 2025 will bring together leading experts from academia, industry, and regulatory agencies to explore cutting-edge research, technological		
1420 TBC 1445 TBC	cancer - personalized tumor treatment vaccine Landian Hu, CEO, Anda Biology Medicine	Global Collaboration for Pandemic Preparedness Raches Ella, Chief Development Officer,	innovations, and translational strategies in mucosal immunization.		
Wei Tan, SVP, Head of China Research and External Collaboration, Clover Biopharmaceutical, China	Development (Shenzhen)  1525 Tea Break	Building vaccine capability in Africa (TBC) Nicaise Ndembi, Head for Partnerships for	The symposium will feature keynote presentations and panel discussions on:  1. Mechanisms of Mucosal Immunity: 2. Innovative Delivery Platforms:		
1500 Clinical development for RSV vaccine in China (TBD)  Zhaohua (Jessie) Chen, Head of Development China, General Manager of	1545 Therapeutic vaccine development for Cancer Bin Wang, Professor, Fudan University/Founder, Advaccine, China	African Vaccine Manufacturing (PAVM) & Head Science Office, Africa CDC, Ethiopia  Development of the vaccine production	Clinical Pipeline and Success Stories     Regulatory and Manufacturing     Perspectives		

facility and tech transfer in Latin America

China R&D, Pfizer, China

1525 Tea Break

1545 TBC

**Linqi Zhang**, Professor, Tsinghua University, China

**1610 TBC** 

1700 Pan-Corona vaccine development (TBC)

**Shibo Jiang**, Professor, Fudan University, China

1730 End of session

1610 TBC

1625 TBD

**Xiangrong Song**, Cofounder& CEO, Westgene, China

1640 Therapeutic HPV vaccine

**Ying Mazzu,** COB&CSO, Nanjing AuroRNA Biotechnology, China

1655 TBC

1730 End of session

Adel Sattarova, Head of Project

Management Department, FSUE SPbSRIVS FMBA of Russia

Innovative products for low resource settings

Melanie Saville, CSO, PATH, USA

Speakers:

**Ling Chen**, Professor, Guangzhou Laboratory, China

Tao Zhu, CSO, CanSino, China Hong Jin, CSO, CynVac, USA

**Chunlai Jiang**, EVP, Changchun BCHT Biotech, China

**Huiming Yan**, Professor, Fudan University, China

Ningshao Xia, Professor, Xiamen University, China

**Rita Carsetti,** VP, International Union of Immunological Societies; Professor, Bambino Gesù Children Hospital, Italy

1830 Welcome reception (Invited only)

Day 2 Mar. 21	
<b>Morning Session</b>	

### **Biomanufacturing & Formulation**

## 0900 Building Sustainable Local Vaccine Manufacturing: WHO's Support for Low-Resource Settings

**Jicui Dong**, Unit Head, Local Production & Assistance Unit, Innovation and Emerging Technologies Department (IET),MHP, World Health Organization, Switzerland

### 0925 Advanced technology platforms fo vaccine manufacturing in response to pandemic situations

**Amine Kamen**, Professor, McGill University, Canada

0950 Next-Generation Vaccine
Manufacturing: Scaling Innovation for
Global Health (TBD)

**Jian Dong**, CEO, WuXi Vaccines; SVP, WuXi Biologics, China

**1020 TBC** 

1035 Tea Break

## **Emerging & Re-emerging**

## 0900 Malaria Vaccines: from Licensure to Elimination

Adrian V. S. Hill, Director, The Jenner Institute, Lakshmi Mittal & Family Professor of Vaccinology, University of Oxford, UK

## 0925 Rational design of Zika vaccine to eliminate dengue enhancement

**Lianpan Dai**, Professor, Institute of Microbiology, Chinese Academy of Sciences, China

## 0940 Innovative immunogen design for mpox virus vaccine development

**Han Wang**, Associate Professor, Peking University, China

#### 0955 TBC

1020 Rationale, progress and opportunities for the development of next generation rotavirus vaccines

Baoming Jiang, Professor, CDC, USA

## **Vaccine Design and Preclinical**

## **Chair: Shaowei Li**, Professor, Xiamen University, China

0900 Structure-Based Vaccine Design: Innovations in Stabilizing Antigens and Addressing Emerging Viral Threats

**Jason McLellan,** Professor, University of Texas at Austin, USA

## 0925 Al-Guided and Structure-Based Vaccine Design

**George Fu Gao,** Former Director, China CDC; Professor, Chinese Academy of Sciences, China

#### 0950 TBC

#### **1015 TBC**

**Tongqing Zhou**, Chief, Structural Bioinformatics Section National Institutes of Health, USA

## **RNA Technologies**

## 0900 Lipid nanoparticles for mRNA vaccine delivery

**Pardi Norbert**, Associate Professor, University of Pennsylvania, USA

## 0925 mRNA Vaccines in Low- and Middle-Income Countries: Bridging the Gap

**Kiat Ruxrungtham**, Professor of Medicine, Director of Chula VRC, Chulalongkorn University, Thailand

#### 0950 TBC

## 1020 RNA platform implementation in Brasil: Seeding the innovation ecosystem in Latin America

Patrícia Neves, Project Manager, mRNA center, Bio-Manguinhos/Fiocruz, Brazil

#### 1035 Tea break

1100mRNA vaccines and global health: addressing global unmet needs in infectious diseases

Ruben Rizzi, Senior Vice President Global

1100 Next-Generation Vaccine Platforms: Innovations in Process Development (TBD)

**Hao Chen**, AVP, Head of Vaccines & Advanced Biotechnologies Process R&D, Merck, USA

1035 Tea break

1100 TBC

1115 6-Valent Virus-Like Particle-Based Vaccine development against Norovirus

**Dongming Zhou**, Head of R&D, Chengdu Kanghua Biological Products Co., China (Invited)

1130 TBC

1200 Assembly of Virus-like Particles
Harnessed with RNA-based Chaperone

**Baik-Lin Seong**, Director General, Vaccine Innovative Technogy ALliance (VITAL)-Korea, South

1215 A quadrivalent mRNA vaccine candidate elicited potent immune responses against monkeypox virus and protection in a rodent model

Yelin Xiong, VP, Yither Biotech, China

1230 Lunch

1035 Tea Break

1100 Next-Generation Vaccine Platforms: A Blueprint for Global Preparedness (TBD)

**Ken Ishii**, Director, International Vaccine Design Center, Professor, University of Tokyo, Japan

1125 TBD

Qihan Li, Professor, Weirui Bio, China

1150 TBD

Yoshimasa Takahashi, Director, Research Center for Drug and Vaccine Development, National Inst. of Infectious Diseases, Japan

1215 TBC

**1230 Lunch** 

Regulatory Affairs, BioNTech, Germany

1125 Reserved by NanoFCM

1155 TBD

Heinrich Hass, CTO, NeoVac, UK

1210 Enhancing the potency of RNA vaccines through next-generation modifications

**Kate Broaderick**, Chief Innovation Officer, Maravai Life Sciences, USA

**1230 Lunch** 

Biomanufacturing & Formulation	Clinical trial	Vaccine Tech Innovation	RNA Technologies
Chair:  Joon Haeng Rhee, Professor, Chonnam  National University Medical School, South	Jingxin Li, Vice Director of the Department, Jiangsu CDC, China	1330 Innovative Delivery Methods for Next-Generation Vaccines: Nasal, Inhalable, and Beyond	1330 Revolutionizing Therapeutics with Next-Generation RNA Platforms: From Vaccines to Gene Therapy(TBD)
Korea  Dexiang Chen, CEO, Maxvax, China	1355 TBC	<b>SeyedReza Banihashemi</b> , Director of R&D,Razi Vaccine & Serum Research	Zihao Wang, CEO, Immorna Bio, China
		Institute, Iran	1345 Expanding the Frontier: mRNA
Nanotechnology in Vaccine Development: Transforming Delivery and Efficacy	1410 Reduced dose HPV vaccine development	1345 The Molecular Clamp Platform: A	Vaccines for Cancer and Autoimmune Diseases(TBD)
Chunying Chen, Academician, Professor, The	<b>Ting Wu,</b> Professor, Xiamen University (TBC)	broadly applicable solution to the	Bo Ying, Co-founder, Chairman&CEO,
National Center for Nanoscience and Technology, CAS, China	1435 Clinical trial for Maternal vaccine	manufacture of multivalent subunit vaccines for respiratory viruses	Abogen Biosciences, China
	development	Keith Chappel, Group Lead, The university	1400 TBC
Optimizing Vaccine Adjuvants: Bridging Immunology and Global Vaccine	TBC	of Queensland, Australia	1430 TBC
Development	1500 Clinical strategy for the	1400 TBC	4700 11 11 11 11
Arnaud Didierlaurent, Assistant Professor, Center Director of Vaccinology, University	immunocompromised TBC	1430 Innovating Plant-Based Vaccines: A	1500 Non-reactogenic LNPs addressing mRNA vaccination hesitancy
of Genev, Switzland	1530 Tea Break	New Frontier in Global Health	Jiangsheng Xu, Co-founder&CSO, General
Enhancing Mucosal Immunity with RAR	1550 lea bleak	<b>Suthira Taychakhoonavudh</b> , CEO,Baiya Phytopharm, Thailand	Therapeutics, USA
Agonists as Potent Vaccine Adjuvants	1600 Vaccine clinical development strategy in emerging market(s) and Commercial	1445 TBD	1515 Next-Generation Lipid Nanoparticle Systems for Targeted RNA Delivery
Haibo Li, Professor, Army Medical University	potentials	Deog-Young Choi, CEO, InThera, South	Xuexiang Han, Professor, SIBCB, China
Harnessing the power of TLR agonists as vaccine adjuvants	Adham Rezk, CEO, Celero Global, Singapore	Korea	1530 Tea Break
Nikolai Petrovsky, Founder, Vaxine,		1500 TBC	
Australia			1600 TBC

TBD		1515 Amezosvatein Phase 2 trial results George Simeon, CEO, Curevo Vaccine, USA 1530 Tea Break 1600 Revolutionizing Pneumococcal Vaccination: Advancing Towards a Universal Pneumococcal Vaccine Solution Tim Hirst, CEO, GPN Vaccines, Australia 1615 TBC 1630 TBC Yasuo Yoshioka, Project Lead, BIKEN, Japan	1630 Optimizing Tissue Distribution & Safety of LNP-Mediated Prophylactic Vaccines to Accelerate Prevention of Infection & Disease Hui Li, R&D Director, Innorna, China  1645 TBC  1700 Panel discussion			
1830 Cocktail Party (Invited)						
Day 3 Mar. 22						
Morning Session						
AMR	Veterinary Vaccine	Preclinical Immunobiology	Partnership & Market access			
0900 Revolutionizing Vaccine Development: Lessons from a Lifetime in	0900 Innovations in Veterinary Biologics: Navigating the Future of Animal Health	0900 Innate Immunity and Vaccine Adjuvant Innovation: Leveraging the Body's	<b>Hun Kim</b> , President of Global Biz, SK bioscience, South Korea			

#### **Immunology**

**George Siber**, President, Siber Biotechnologies LLC, USA

0925 Tackling Maternal and Neonata Infections: The Role of Group E Streptococcus Vaccines"

**Per Fischer**, CEO, MinervaX , Denmark (Invited)

0940 Immunotherapy and Vaccine Synergy A New Frontier in Infectious Disease Treatment

**Bruno Santos**, CEO, Immunethep, Portugal (Invited)

0955 Pioneering New Horizons in Bacterial Vaccines: From Concept to Clinical Application

**Michael Kowarik**, Co-Founder & Chief Scientific Officer, LimmaTech, Switzerland (Invited)

**1010 TBC** 

1035 Tea break

1100 Isolation of protective monoclonal antibodies and development of novel fusion protein vaccines against tuberculosis

**Mahesh Kumar**, SVP of R&D, Global Biologics, Zoetis, USA

0925 Cross-Species Transmission of Animal Viruses: Prevention and Control Strategies

**Simon Graham**, Professor, The Pirbright Institute, UK

0950 Immunological Insights into Animal Disease Control: A Path Toward Enhanced Vaccine Efficacy

**Huichen Guo**, Professor, Lanzhou Veterinary Research Institute, China

1015 TBC

1035 Tea Break

1100 Advancing ASFV Vaccine
Development: Overcoming the Challenges
in Combatting African Swine Fever

**Christopher Netherton**, Professor, The Pirbright Institute, UK

1125 Revolutionizing Animal Vaccine
Development: The Role of mRNA and
Exosome Platforms

**Jie Li**, Head of R&D, The Spirit Jinyu Biological Pharmaceutical, China

1140 Progress on the ASF DNA vaccine development in Philippines

First Line of Defense

**Diana Boraschi**, Distinguished Professor, Shenzhen Institute of Advanced Technology, China

0925 Vaccine adjuvants, mRNA mode of action, innate/trained immunity for vaccines

**Robbert van der Most**, Former VP, , BioNTech; CEO, VaxxCellence, Germany

0950 Bioassay for vaccine efficacy

**Emanuel Montomoli**, Professor, Full Prof. of Public Health, University of Siena;CSO of VisMederi Italy

**1005TBC** 

**Yunlong Richard Cao**, Assistant Professor, Peking University, China

1030 Tea Break

1100 TBC

1130 Immunogenicity testing of panvariant influenza and coronavirus vaccines using pseudotype platform technologies

**Nigel Temperton**, Professor, Director, Viral Pseudotype Unit, University of Kent, UK

Raman Rao, CEO, the Hilleman Laboratories, Singapore

**Meng Li**, Head of Board Office, Director of International Cooperation, China National Biotec Group, China

**Xiaofeng Liang**, VP, Chinese Preventive Medicine Association; Professor, Jinan University, China

**Nibal Dahaba**, Co-Founder & General manager Emerging markets, Gennecs Holding, Egypt

**Jiguo (Jeffrey) Zhang**, President, Vaccine Division, Fosun Pharma, China

**Hani Kim**, Executive Director, RIGHT Foundation, South Korea

**Sean Du**, Head, External R&D APAC, Global R&D. Sanofi Pasteur. China

**Hao Li**, Associate Professor, China Agricultural University, China

1115 Harnessing mRNA Technology to Combat Antimicrobial Resistance: Pioneering Vaccines for Drug-Resistant Bacteria

Caiyi Fei, VP, TheraRNA, China

1130 TBC

1200 TBC

**1230 Lunch** 

Frank Chang, CSO, Reber Genetics, China

1155 TBC

**1230 Lunch** 

1330 Advancing One Health: Integrating Veterinary and Human Vaccines to Tackle Global Health Challenges

Alejandra Capozzo, Professor, Center Director, Universidad Abierta Interamericana (UAI), Argentina

1355 The development of PDCoV and PEDV mRNA vaccines

**Zhong Chen**, VP, Suzhou HealiRNA Biotechnology

1145 Antigenic sin drives B cell evolution: lessons learned from the COVID-19 pandemic

**Emanuele Andreano**, Project Leader, Fondazione Toscana Life Sciences, Italy

1230 Lunch

## Plenary Session

1530 Plenary Panel: Vaccines Beyond Borders: Shaping Global Health Futures in an Interconnected World "Vaccines Beyond Borders: Shaping Global Health Futures in an Interconnected World"

This dynamic panel will serve as a grand finale for VIF World 2025, uniting thought leaders from academia, industry, public health, and policy to address the evolving role of vaccines in a rapidly changing global landscape. The discussion will focus on:

- 1. Global Collaboration and Equity: Exploring innovative strategies to ensure equitable vaccine access and distribution, especially in underserved regions.
- 2. One Health and Pandemic Preparedness: Highlighting the interconnectedness of human, animal, and environmental health and the role of vaccines in preventing future pandemics.
- 3. Technological Breakthroughs: Reflecting on the transformative potential of mRNA, mucosal, and nanoparticle-based vaccines to combat emerging and re-emerging infectious diseases.
- 4. Policy and Funding Innovations: Discussing sustainable funding models and global governance frameworks to accelerate vaccine innovation and deployment.
- 5. Vision for 2030 and Beyond: Imagining a future where vaccines play a central role in addressing not only infectious diseases but also broader challenges like antimicrobial resistance,

chronic diseases, and aging populations.

The plenary will feature a diverse and influential panel, including representatives from leading vaccine manufacturers, global health organizations, policymakers, and scientific pioneers. By engaging the entire audience in this visionary discussion, the session will inspire actionable insights, foster global collaboration, and leave participants energized to drive meaningful change in the vaccine landscape.

**1630 Closing Remark**