

LAB BERLIN- ADLERSHOF

21 SEPTEMBER 2023
BERLIN-ADLERSHOF

CONCEPT

The Falling Walls Foundation founded the Falling Walls Lab in 2011 to:

CONNECT aspiring innovators

DISCOVER and develop talents

SUPPORT interdisciplinary dialogue and international cooperation

DEVELOP new ways of scientific communication

BUILD new and strong networks

TIMELINE

13:30 – 13:55	Jury briefing
13:30	Participant arrival and registration
14:00	Welcome and introductory remarks
14:10 – 15:30	Pitches (1-16)
15:30 – 15:50	Break (participants and audience) / Jury session
15:50 – 15:55	Awards ceremony / Group picture
15:55	Farewell reception

JURY

Prof. Dr. Ulrich Panne, Jury Chair

President of Bundesanstalt für Materialforschung und -prüfung (BAM) and Chairman of Initiativegemeinschaft Außeruniversitärer Forschungseinrichtungen e. V. (IGAFA)

Prof. Dr. Ulrich Panne has been the president of BAM since 2013. He studied chemistry at the University of Dortmund and at University College London and received his Ph.D. and habilitation at the Technical University of Munich. Professor Panne has been working at BAM since 2004, where he initially headed the department of Analytical Chemistry; Reference Materials. In addition to his presidency at BAM, he is honorary professor of Instrumental Analytical Chemistry at the Humboldt-Universität zu Berlin (HU). He is also spokesman for the Working Group Departmental Research and chairman of the Joint Initiative of Non-University Research Institutes in Adlershof (IGAFA e. V.).

Professor Panne is co-initiator and spokesman for the HU Graduate School of Analytical Sciences Adlershof (SALSA). In 2009, the German Chemical Society, (GDCh) awarded him the Fresenius Prize for his achievements in analytical chemistry.

Prof. Dr. Heike M. Hölzner

Professor for Entrepreneurship at the HTW Berlin – University of Applied Sciences in Berlin.

Professor Hölzner studied economics at the University of Oldenburg and earned his doctorate in technology management at Helmut Schmidt University in Hamburg. Prior to taking over the Professorship at the HTW in April 2017, she founded her own E-Commerce Business and has worked as a Consultant for Digital Business and Digital Transformation within different industries (i.e. FinTech, Automotive, Health). Today she works as a coach for a number of startup accelerators and governmental programs. Her research interests include deep tech startups and the entrepreneurial mindset. Professor Hölzner is also a founding member of the business angel network Encourage Ventures e.V.

Prof. Dr. Mathias Richter

Head of Division Temperature and Synchrotron Radiation at the Physikalisch-Technische Bundesanstalt (PTB), Germany's national metrology institute, and Associate Professor of Experimental Physics at the Technical University Berlin and Initiativgemeinschaft Außeruniversitärer Forschungseinrichtungen e. V. (IGAFA) Advisory Board Member

Prof. Dr. Mathias Richter studied physics at the University of Marburg, received his diploma and doctorate at the University of Hamburg and habilitated at the Technical University of Berlin. His main research interests are in the field of spectroscopy and metrology with synchrotron radiation. In 1989 and 1990, he was a European Union fellow at the Super-ACO synchrotron radiation facility in Paris. In 2011, he received the European Innovation Award on Synchrotron Radiation. In 1995, he joined PTB. Since 2004, he has also been an associate professor at the Technical University of Berlin. Professor Richter is chairman of the Friends of Helmholtz-Zentrum Berlin (HZB), board member of the Joint Initiative of Non-University Research Institutes in Adlershof (IGAFA), board member of the Physical Society of Berlin (PGzB) and member of the council of the German Physical Society (DPG).

Prof. Dr. Matthias Selbach

Leader of the Research group "Proteome Dynamics" at the Max Delbrück Center for Molecular Medicine in the Helmholtz Association (MDC) and professor at the Berlin Medical School (Charité).

Matthias Selbach studied Biology in Münster (Germany) and received his PhD from the Max Planck Institute for Infection Biology (Berlin). As a postdoc he worked at the University of Southern Denmark (Odense) and at the Max Planck Institute of Biochemistry (Munich). Since 2007 he heads the Proteome Dynamics Lab at the MDC – initially as a junior group leader and since 2013 as a full professor. His team combines expertise in cell biology and mass spectrometry-based proteomics to study biological systems in health and disease. He is co-coordinator of the MSTARs consortium for mass spectrometry in systems medicine, ombudsperson for PhD students and received several awards like the young investigator prize of the European Molecular Biology Organization (EMBO) and the Analytica research prize

Roland Sillmann

Managing Director

WISTA Management GmbH

Born on January 15, 1971 in Freiburg, Germany. He studied Mechanical Engineering in Offenburg. After having earned a Master of Business Engineering degree in Berlin, several study visits have taken him to the U.S.A. and Japan.

Sillmann's professional career began in 1996 at the Institute for Solar Energy Research Hamelin (ISFH). In 2002 he became technical director of the Solar Division of Schüco International KG for five years. In 2007, he was one of the founders of the Inventux Solar Technologies GmbH, Berlin which was the largest independent German start-up at that time. Sillmann was six years a member of the Inventux Management Board.

From 2013 until 2015 he was CEO of Innovations-Zentrum Berlin Management (IZBM), a managing company for innovation and business incubation. Since 1 July 2015, Roland Sillmann is Managing Director of WISTA Management GmbH.

Dr. Dagmar Simon

Director

EVACONSULT – Evaluation – Consulting – Research.

Dr. Dagmar Simon, Political Scientist, is Director of EVACONSULT – Evaluation – Consulting – Research. 2008 – 2016 she headed the research group Science Policy Studies at the Berlin Social Science Center (WZB) with a research focus on evaluation research, science studies and gender studies. She was a member of the Interdisciplinary Working Group "Excellence Initiative" of the Berlin-Brandenburg Academy of Sciences and Humanities from 2008 to 2018, was for a long-time member of the Working Group "Research-oriented standards" of the German Research Foundation (DFG), co-initiator and member of the "European Network for Research Evaluation in the Social Sciences and Humanities" (ENRESSH). She has been Chair of the University Council of the University of Paderborn since 2017. In addition, since 2018 she has been Vice Chair of the Board of Trustees of the University of Applied Sciences (HTW), Berlin and member of the Board of Trustees of the Technology Foundation Berlin.

Dr. Ursula Westphal

Managing Director

*Initiativgemeinschaft Außeruniversitärer Forschungseinrichtungen e. V.
(IGAFA)*

Dr. Ursula Westphal studied Chemistry at the Albert-Ludwig University Freiburg and at the Technische Universität Berlin and Economics at the Fernuniversität Hagen. She receives her Ph.D. in 1994 with inorganic chemistry. She works as a scientific assistant at the Chemistry Institute of the Technische Universität Berlin. After that, she changed to Technology Park Adlershof and worked there in different positions. Finally, she became the managing director of the IGAFA – the scientific network of the non-university research institutions located in the technology park Berlin Adlershof. Dr. Westphal also is member in different scientific associations, like the GdCH or the advisory board of HTW.

PRESENTERS

- 1 Anastasia Alexandridou**
Humboldt-Universität zu Berlin
(Berlin, Germany)
BREAKING THE WALL OF
VITAMIN D METABOLOME
- 2 Christopher Beddies**
Technical University of Applied
Sciences Wildau
(Wildau, Germany)
BREAKING THE WALL OF
NETWORK-VULNERABILITY-
TESTS DEVELOPMENT
- 3 Dr. Arsène Chemin**
Helmholtz-Zentrum Berlin für
Materialien und Energie GmbH
(Berlin, Germany)
BREAKING THE WALL OF
CO₂ VALORIZATION USING
DIAMONDS
- 4 Dr. David Dao**
ETH Zurich
(Zurich, Switzerland)
BREAKING THE WALL OF
RAINFOREST MONITORING
- 5 Serena Giardino**
Max Planck Institute for
Gravitational Physics &
Heidelberg University
(Potsdam/Heidelberg, Germany)
BREAKING THE WALL OF
THE BIG BANG
- 6 Dr. Jannes Jacobsen**
German Center for Integration
and Migration Research
(Berlin, Germany)
BREAKING THE WALL OF
RACISM
- 7 Bruna Martins Garcia**
Max Planck Institute for Biology
of Ageing
(Cologne, Germany)
BREAKING THE WALL OF
HYPERCHOLESTEROLEMIA
- 8 Lauren Matthews**
Bundesanstalt für Material-
forschung und -prüfung
/University of Birmingham
(Berlin, Germany/Birmingham,
UK)
BREAKING THE WALL OF
RAPID DIAGNOSTICS
- 9 Sanghwa Moon**
Max Planck Institute of Colloids
and Interfaces
(Potsdam, Germany)
BREAKING THE WALL OF
UNSUSTAINABLE
ELECTRODES
- 10 Laura Orphal-Kobin**
Humboldt-Universität zu Berlin
(Berlin, Germany)
BREAKING THE WALL OF
THE QUANTUM INTERNET

- 11 Dr. Melissa Rinaldin**
Technische Universität Dresden
(Dresden, Germany)
BREAKING THE WALL OF
CELL DIVISION
- 12 Fabian Simon**
Bundesanstalt für Material-
forschung und -prüfung
(Berlin, Germany)
BREAKING THE WALL OF
ENVIRONMENTAL
POLLUTANTS
- 13 Dr. Tomislav Stolar**
Bundesanstalt für Material-
forschung und -prüfung
(Berlin, Germany)
BREAKING THE WALL OF
CIRCULAR PLASTICS
ECONOMY
- 14 Kirti Vardhan**
Humboldt-Universität zu Berlin
(Berlin, Germany)
BREAKING THE WALL OF
MUSCLE ACTIVITY
MEASUREMENTS
- 15 Dr. Aurel von Richthofen**
Arup Deutschland
(Berlin, Germany)
BREAKING THE WALL OF
SILOED DIGITAL TWINS
- 16 Dr. Anthea Wirges**
Max Delbrück Center for
Molecular Medicine in the
Helmholtz Association
(Berlin, Germany)
BREAKING THE WALL OF
CANCER RELAPSE AFTER
IMMUNOTHERAPY

FALLING WALLS LAB BERLIN-ADLERSHOF

WHICH ARE
THE NEXT
WALLS
TO FALL?

IN COOPERATION WITH



THANK YOU TO OUR PARTNERS AND SUPPORTERS

Supporting Partner



Network Partners



FEEDBACK

What was your overall impression of Falling Walls Lab Berlin-Adlershof?

Do you have concrete suggestions for improvement? If so, what?

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As per September 18, 2023; Subject to alteration.