

**FALLING
WALLS
SCIENCE
SUMMIT
7-9 NOV**



Stand with Ukraine
FALLING WALLS
SCIENCE SUMMIT

**REPORT 2022 &
PARTNERSHIP OFFER 2023**

*The traditional group photo of the
2022 Falling Walls Science Summit:
Standing with Ukraine.*

THE FALLING WALLS SCIENCE SUMMIT CONCEPT

THREE DAYS FOR BREAKTHROUGH THINKING

Lots of opportunities to gather, network and get involved. Participate in person or digitally from all over the world.



PITCHES

FALLING WALLS ENGAGE

A global platform for Science Engagers who actively involve the public with science.

FALLING WALLS LAB

A world-class pitch competition for Emerging Talents and early-career professionals.

FALLING WALLS VENTURE

An international platform for the most promising Science Start-Ups from across the world.



CIRCLE SYMPOSIA & DEBATES

FALLING WALLS CIRCLE

Our format to connect science and society: global leaders in research, business, policymaking and media discuss solutions for today's most pressing issues, and provide a framework for the breakthroughs presented at the Falling Walls Breakthrough Day on 9 November.



BREAKTHROUGHS

FALLING WALLS BREAKTHROUGHS OF THE YEAR

On the anniversary of the historic fall of the Berlin Wall, Falling Walls provides a stage for outstanding research presented in inspiring presentations. Every 9 November, "the brightest minds on the planet" (BBC) convene to answer the core question: Which are the next walls to fall in science and society?

NEW: SCIENCEPRENEURS FORUM

SUMMARY

FULL PROGRAMME

More days and hours full of the latest scientific Breakthroughs.

3

DAYS

92

EVENTS

250

SPEAKERS

1

DIGITAL PLATFORM

7

LIVESTREAMS

70

HOURS SCIENCE VIDEO FOOTAGE

LEADING SCIENTISTS

Outstanding scientists and their work from all over the world.

1.300+

NOMINATIONS

900

INSTITUTIONS

104

COUNTRIES

10

CATEGORIES

120

JURY MEMBERS

195

WINNERS

INTERNATIONAL AUDIENCE GLOBAL REACH

Global science leaders, experts & emerging talents from all regions.

1.200

ON-SITE VISITORS

9.500

DIGITAL EVENT VISITS

93.000

PAGEVIEWS

53%

AGE 18 - 34

130

COUNTRIES

70

INTERNATIONAL JOURNALISTS

The whole world participated throughout the year.

1.000.000+

PAGEVIEWS

2.400.000

INTERACTIONS

51.500

FOLLOWERS

20.000+

NEWSLETTER SUBSCRIBERS

17.500.000+

SOCIAL MEDIA IMPRESSIONS

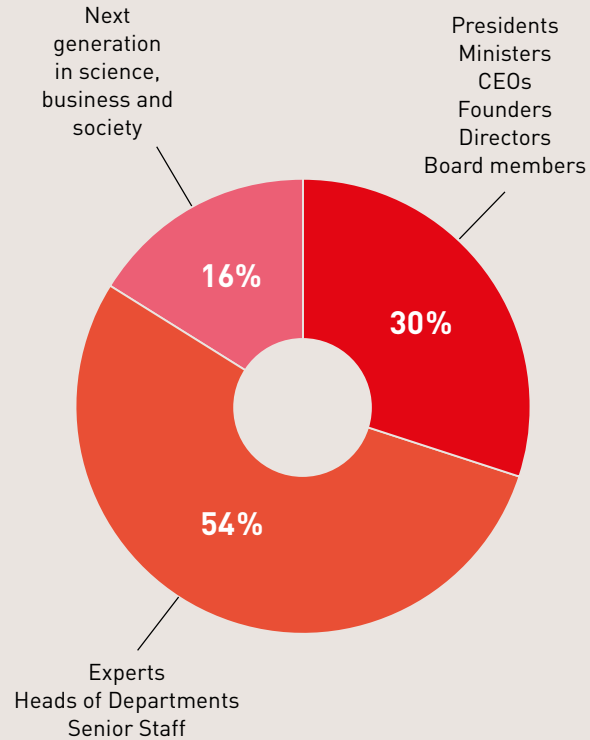
18.000+

REGISTRATIONS

SUMMARY

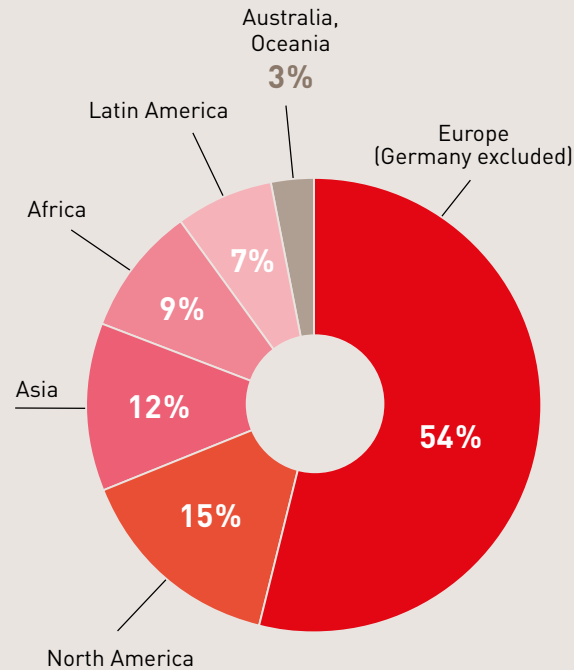
HIGH LEVEL

Falling Walls brings together
the leaders of
today and tomorrow.



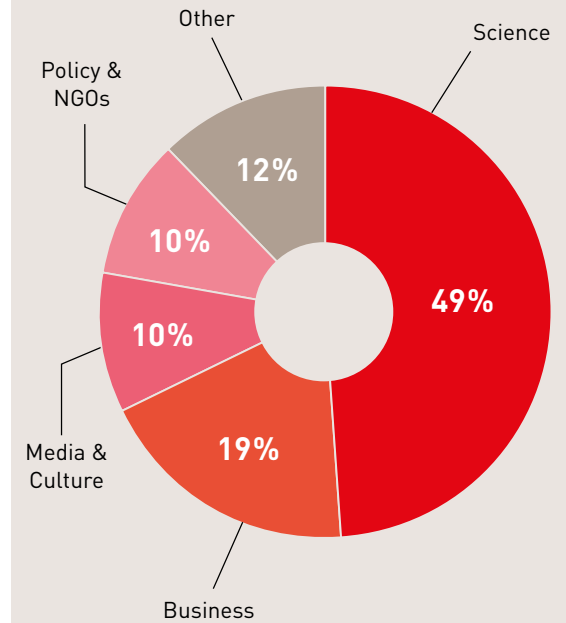
WORLD REGIONS

Falling Walls brings together
all the world regions*.



SECTORS

Falling Walls brings together
every sector.





Berlin Sciencepreneurs Night

FALLING WALLS SCIENCE SUMMIT

THE ENTREPRENEURIAL STATE

Mario Brandenburg, BMBF
Kadi Silde, NATO
Jui Lim, SGinnovate
Martina Siwek, ONR Global
Rafael Laguna de la Vera, SPRIND



SPRIND Sciencepreneurship Symposium Panel: The Entrepreneurial State



Taraneh Abdelrahmani, Abundance Gate, AT and Thorsten Lambertus, DEEP by ESMT, DE



Alexander Pichler, EXALT, AT

THE NEW SCIENCEPRENEURS FORUM IS THE GLOBAL MEETING PLACE FOR ALL DRIVERS OF SCIENCEPRENEURSHIP: FOUNDERS, INVESTORS, TRANSFER OFFICERS, ACADEMICS AND CTOS.



Stefan von Holtzbrinck, Holtzbrinck Publ. Group, DE and Anne Lamp, traceless, DE



Scott Inwood, University of Waterloo, CA and Erkehard Franzke, Eudemian Ventures, DE with guests



Martina Siwek, Office of Naval Research Global, CZ

SCIENCEPRENEURS FORUM

NEW

THE CONFERENCE INSIDE THE CONFERENCE

THE GLOBAL FORUM FOR SCIENCEPRENEURS

Sciencepreneurs 2022 convenes leading scientists, entrepreneurs, investors, start-ups, and policy makers to investigate how to improve the way science creates economic value for society.

FALLING WALLS VENTURE

Falling Walls Venture is a pitch competition for the most promising science start-ups nominated by academic institutions and organisations from across the world. Watch pioneering founders on stage who have turned science into business.



Stefan von Holtzbrinck
Holtzbrinck Publishing Group, DE



Simon Groeblacher
QphoX, NZ



BERLIN SCIENCE PRENEURS-NIGHT

This evening event shines a spotlight on Berlin science start-ups and aims to strengthen networking among sciencepreneurs and investors.

Part of
Berlin Science Week



BACKGROUND TABLE: SCIENCE-PRENEURSHIP

How can the light-house competition „Entrepreneurship Centers“ be implemented?



Helmut Schönenberger
UnternehmerTUM, DE



Verena Hubertz,
German Bundestag, DE



RESPONSIBLE LEADERSHIP AS LEVER FOR CHANGE

How is the inner growth of leaders connected to the shift towards a more regenerative economy?



Ilsabe v. Campenhausen
BMW Foundation, DE



Scott Inwood
Univ. of Waterloo, CA



ROUND TABLE: EXCELLING SCIENCE ACCELERATORS

How can we create an even better supporting ecosystem for sciencepreneurs?



Janette Wiget
Merantix, DE



Christian Rommel
Bayer, DE



SPRIND SCIENCEPRENEURSHIP SYMPOSIUM

We bring together thought leaders, policy makers, transfer professionals, entrepreneurs and executives to discuss key issues and ideas to accelerate the ecosystem and thus enable more science based start-ups.



Rafael Laguna de la Vera, SPRIND, DE



Kadi Slide
NATO, BE



Amir Banifatemi
X-Prize Foundation, US



Jui Lim
SGInnovate, SG



Mario Brandenburg
Fed. Ministry of Education & Research, DE



SCIENCEPRENEURS FORUM

7

NOVEMBER

PITCHES





Slim Chiha, PROSION Therapeutics, DE



Emerging Talents Awards Ceremony



Khashayar Razghandi, HU Berlin, DE



Vanessa Vongsouthi, Samsara Eco, AU

**"I THINK FALLING WALLS
UNIQUELY COMBINES THE
NEED FOR IMPACT WITH
THE UNDERSTANDING
AND APPRECIATION OF
RIGOROUS SCIENCE."**



Network with the Falling Walls community



Science Start-Up Award Ceremony

Hemai Parthasarathy *X, the moonshot factory, US*



Get inspired by the most innovative start-ups



Yasmina Abakkouy, KU Leuven, BE



Elisa Bertini, Puna Bio, AR

FALLING WALLS PITCHES

WORLD-CLASS PITCH COMPETITIONS AND NETWORKING FORUMS



FALLING WALLS ENGAGE

Falling Walls Engage puts a spotlight on the most inspiring Science Engagement projects worldwide. The 20 Winners in the Science Engagement category are invited to present their 5-minute project pitches on stage, in front of an international audience and a distinguished jury.



FALLING WALLS LAB

Falling Walls Lab is a world-class pitch competition, networking forum, and stepping stone that brings together a diverse and interdisciplinary pool of students and early-career professionals by providing a stage for breakthrough ideas both globally and locally.



FALLING WALLS VENTURE

Falling Walls Venture is an international competition that showcases outstanding science-based start-ups. Nominated by institutions from around the globe, these ventures are working on innovative solutions to today's most pressing challenges.

7 NOV FALLING WALLS ENGAGE PITCHES

THE MOST INSPIRING SCIENCE ENGAGEMENT PROJECTS



MICRO museums: A museum in just one steal



"THE PARTICIPANTS [...] HAVE INSPIRED ME TO DO MORE IN MY HOME COUNTRY. I WAS ASTONDED BY THEIR CREATIVITY, PASSION, AND BELIEF IN THE POWER OF SCIENCE TO CHANGE OUR WORLD."

BRETT HOOTON McGill University, Falling Walls Engage Hub Manager Canada

Falling Walls Engage Community

FALLING WALLS ENGAGE

193

APPLICATIONS

66

COUNTRIES

20

WINNERS
OUT OF 50 FINALISTS

3

HUB LAUNCHES

9

ACTIVE FALLING
WALLS ENGAGE HUBS
3,300+ Community Members
142+ Countries



At Falling Walls Engage, our core vision is to foster a better understanding of and more public involvement in science and to tackle global societal challenges through fact-based decision-making, global deliberation, and integration of diverse perspectives. True two-way involvement contributes to enhanced trust in science, changes in policy, and overall societal well-being.

The Falling Walls Engage Hubs are

- locally embedded network nodes and globally connected through the Hub network
- an opportunity for (future) Science Engagement professionals to meet and exchange ideas
- driven by local Hub Managers who develop and sustain the network
- a place to co-create and drive global impact.

The Falling Walls Engage Hubs aim

- to foster dialogue to identify challenges related to Planetary Health, co-create solutions, and act together
- to identify best-practice Science Engagement to collect evidence and scale globally
- to activate scientists in the field of Planetary Health and foster cross-border collaborations.

Our international Falling Walls Engage Hubs:

Kenya, Sweden, Argentina, Canada, Australia, Greece, Mexico, Japan, South Africa

Success stories:
falling-walls.com/engage/impact/

7 NOV FALLING WALLS LAB PITCHES

INNOVATIVE IDEAS FROM EMERGING TALENTS



“IT’S NOT ONLY MAKING THE WALLS FALL, BUT IT’S CHANGING LIVES FOR THE BETTER AND I ABSOLUTELY LOVE THAT.”

Cheikh Ahmed Tidiane Demé, PRODEM, SN

DAME SARAH SPRINGMAN *St Hilda's College, Oxford, Jury Chair, GB*

FALLING WALLS LAB

1850+
APPLICATIONS

796
INTERNATIONAL LAB PITCHES

63
INTERNATIONAL LABS

80
INTERNATIONAL LAB WINNERS AT THE GLOBAL FINALE



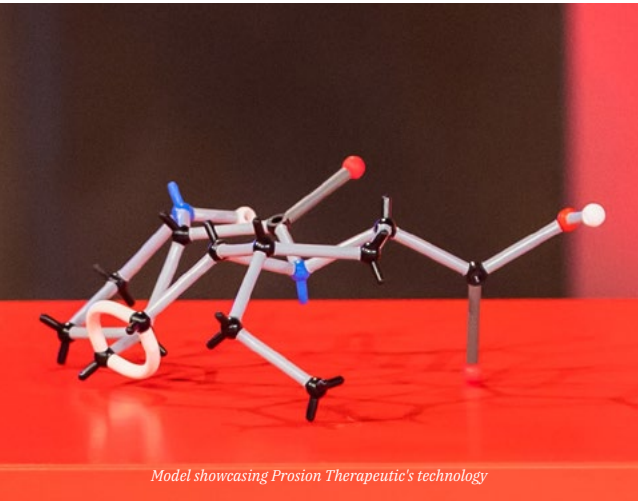
From April through September, 63 international Falling Walls Labs took place in 52 countries where dedicated Lab organisers created the stage for participants to share their inspiring ideas with the world and secure their spot in the global finale in Berlin.

With finale pitches ranging in topic from agriculture to healthcare & medical sciences, the international Lab winners and their topics spanned the disciplines and the globe. In 2022, Falling Walls Lab expanded its international Lab network to countries such as

Costa Rica and Zimbabwe. To further increase the Lab's global reach, we are excited to welcome new Lab locations to the partner network in 2023, including Croatia and Guatemala. The future looks promising and full of innovative ideas!

7 NOV FALLING WALLS VENTURE PITCHES

THE MOST PROMISING SCIENCE BASED START-UPS



Model showcasing Prostion Therapeutic's technology



"I SEE YEAR AFTER YEAR AN INCREASE OF QUALITY IN ALL THE ASPECTS THAT MATTER FOR OUR CRITERIA. IT WAS FANTASTIC. THEREFORE, IN THE END IT WAS EXTREMELY TOUGH TO FIND THE RIGHT WINNER."

STEFAN VON HOLTZBRINCK *Jury Chair Falling Walls Venture, Founder & CEO of Holtzbrinck Publishing Group*

Johannes Henriksson, *Compular, SE*

SCIENCEPRENEURS FORUM

FALLING WALLS VENTURE

168
NOMINATIONS

39
COUNTRIES

25
WINNERS

3
CLUSTERS

- Sustainability
- Engineering of the Future
- Health Solutions



SUCCESS STORIES (SELECTION)

2021: Founded in 2020, **traceless materials** is a circular bioeconomy start-up offering a holistically sustainable alternative to plastics and bioplastics. The company received a total of over 20 million euros in funding from the European Innovation Council (EIC) in 2021 and is currently valued at €100 million.

2020: Berlin-based climate tech start-up **Made of Air** has closed a €5 million (~\$5.8 million) seed funding round in 2021, led by Norwegian sustainability-focused family fund, TD Vein. Made of Air is a climate-focused materials company transforming waste biomass into high-value, carbon negative materials for industrial use.

2019: **Felix Biotechnology** is focused on discovering, developing and deploying customizable antimicrobials targeting urgent microbial threats. After previous grants from the Y Combinator and National Science Foundation, in 2022 they received a competitive grant from the National Institutes of Health to develop a microfluidics platform.

2018: **T3 Pharmaceuticals** raised a CHF12 million Series A funding round in 2019 and another \$27 million in 2020 from various investors, including our Falling Walls partner Boehringer Ingelheim.

FALLING WALLS

8

NOVEMBER

CIRCLE





How to restart science in Ukraine after the Russian aggression?
Liubov Poshyvailo-Strube, Ukrainian Global University, Coordinator, UA

“RIGHT NOW WE ARE ACTUALLY IN A TIME OF MULTIPLE CRISIS AND WE SEE THAT THESE FORMS OF COLLABORATION START HERE – CAN START HERE – AND SHOULD START HERE.”

Plenary Table: Applied Artificial Intelligence in Medicine



Round Tables: Questions from the audience



Plenary Table: Discussion with the audience

ARMAGHAN NAGHIPOUR Berlin Senate Higher Education & Resaerch, DE



Social Sciences Symposium: Racha Kirakosian & Sunil Amrith



Background Table: Sciencepreneurship



Background Table: Responsible Leadership as a Lever for Change

DEBATES

FALLING WALLS PLENARY TABLES



Panel discussions on global challenges with leading international experts and exchanges on necessary next steps along the international scientific agenda.

FALLING WALLS ROUND TABLES



From presentations to open discussions – drawing attention to topics from broader issues in science and society to specific scientific developments.

FALLING WALLS BACKGROUND TABLES



Invitation-only events with global leaders on current developments. Participants interact in open, confidential discussions that enable disruptive thinking.

FALLING WALLS MEET-UPS



Invitation-only events with a strong focus on networking, bringing global science leaders together to connect and develop new ideas.

SYMPOSIA

VOLKSWAGEN FOUNDATION SYMPOSIUM SOCIAL SCIENCES



At Falling Walls, the Volkswagen Foundation and WZB Berlin Social Science Center addressed processes of societal transformation with invited scientific experts.

SYMPOSIUM FOR BREAK- THROUGHS IN LIFE SCIENCES



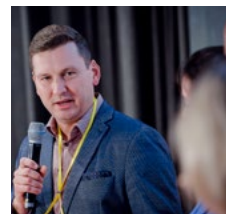
Supported by the Else Kröner-Fresenius-Stiftung Falling Walls provided the platform to discuss latest achievements in the field of life sciences.

WILHELM & ELSE HERAEUS FOUND. SYMPOSIUM PHYSICAL SCIENCES



Wilhelm and Else Heraeus Foundation and Falling Walls hosted this unique format to bring together international researchers in such fields as quantum, physics, and chemistry.

SPRIND SYMPOSIUM SCIENCE- PRENEURS



The Federal Agency for Disruptive Innovation SPRIND and Falling Walls hosted this format to debate how to improve the transfer of breakthroughs from lab to market

8 NOV FALLING WALLS CIRCLE – DEBATES
PLENARY TABLES

Plenary Tables are the centerpiece of the Falling Walls Circle, addressing global challenges in a series of moderated panel discussions.

Leading experts share their perspectives on how science can be employed to benefit humanity and the world around us and which will be the necessary steps on the international scientific agenda. To extend the discourse to our audience, it is possible to contribute questions to the discussion live on site or by chat for visitors of the free live stream.

**BECOME
 OUR PARTNER
 AND JOIN THE
 FALLING WALLS
 COMMUNITY**
 Please contact
 imke.rajamani@
 falling-walls.com

SCIENCE ENGAGEMENT



HOW TO RESTART SCIENCE IN UKRAINE AFTER THE RUSSIAN AGGRESSION

Liubov Poshyvailo-Strube
 Ukrainian Global University, Coordinator, *UA*

Heide Ahrens
 German Research Foundation, Secretary General, *DE*

Pawel Rowiński
 Polish Academy of Sciences, Vice-President, *PL*

Julia von Blumenthal
 Humboldt-Universität zu Berlin, President, *DE*

Oleksiy Kolehuk
 National Scientific Council of Ukraine, Chairman, *UA*

Moderation
Georg Schütte
 Volkswagen Foundation, Secretary General, *DE*

VolkswagenStiftung

HEALTH & WELLBEING, LIFE SCIENCES,
 PLANETARY HEALTH, SOCIAL SCIENCES AND HUMANITIES



FOOD SECURITY: THE PATH OF THE HUNGER HURRICANE

Ertharin Cousin
 Food Systems for the Future, CEO and Managing Director, *US*

Alex Assanvo
 Cote D'Ivoire-Ghana Cocoa Initiative, Executive Secretary, *GH*

Joachim von Braun
 University Of Bonn, Center for Development Research (ZEF), Professor, *DE*

Matthias Berninger
 Bayer AG, Senior Vice President Public Affairs, Science & Sustainability, *DE*

Moderation
Melinda Crane
 Deutsche Welle, Chief Political Correspondent, *DE*

BAYER

8 NOV FALLING WALLS CIRCLE – DEBATES
PLENARY TABLES

ENGINEERING AND TECHNOLOGY, HEALTH & WELLBEING,
 LIFE SCIENCES, PLANETARY HEALTH



RESOURCE-EFFICIENT DIGITALISATION: THE KEY TO A SUSTAINABLE FUTURE

Christoph Meinel
 Hasso Plattner Institute, CEO and Scientific Director, *DE*

Benjamin Brake
 Federal Ministry for Digital and Transport, Director of the Digital and Data Policy Department, *DE*

Peter Körte
 Siemens AG, Chief Technology & Strategy Officer, *DE*

Mei Lin Fung
 People-Centered Internet, Chair, *US*

Moderation
Magdalena Skipper
 Springer Nature, Editor in Chief, *GB*

SIEMENS **HPI** Hasso Plattner Institut

HEALTH & WELLBEING, LIFE SCIENCES



MENTAL HEALTH FOR ALL: GLOBAL ACTION PLAN ON DEMENTIA AND LATE-LIFE DEPRESSION

Maryna Polyakova
 Max Planck Institute for Human Cognitive And Brain Sciences, Postdoctoral Researcher, *DE*

Mazda Adli
 Charité Berlin, Director of the Mood Disorders Research Group, *DE*

Christiane Sommer
 Biogen, Medical Lead, *DE*

Anthony Hyman
 Max Planck Institute of Molecular Cell Biology and Genetics, Director/Group Leader, *DE*

Frank Jessen
 Uniklinik Köln, Director of the Department of Psychiatry, *DE*

Moderation
Zulfikar Abbany
 Deutsche Welle, Senior Science Editor, *DE*

Biogen

ENGINEERING AND TECHNOLOGY



THE FUTURE OF CLEAN ENERGY TECHNOLOGIES: ACCELERATING THE TRANSITION TO CARBON NEUTRALITY

Johannes Henriksson
 Compular, Co-founder & CEO, *SE*

Norbert Holtkamp
 Slac National Accelerator Laboratory, Professor, *US*

Tejs Vegge
 Technical University of Denmark, Head of Section for Autonomous Materials Discovery, *DK*

Ting Xu
 University of California Berkeley, Professor, *US*

Bernd Rech
 Helmholtz-Zentrum Berlin, Scientific Director, *DE*

Moderation
Jennifer Porto
US


HZB Helmholtz Zentrum Berlin

8 NOV FALLING WALLS CIRCLE – DEBATES
PLENARY TABLES


ENGINEERING AND TECHNOLOGY




ADVANCES IN FUSION TECHNOLOGY: BREAKTHROUGH IN UNLIMITED ENERGY GENERATION




Vinod Philip
Siemens Energy,
Member of the
Executive Board, *DE*




Constantin Häfner
Fraunhofer Institute
for Laser Techno-
logy, Managing
Director, *DE*




Tim Luce
Inter Head of the Science
and Operation Domain
and Chief Scientist, *FR*



Peter Leibinger
Trumpf SE& Co. KG,
Vice Chairman and
CTO, *DE*



Moderation
Melanie Windridge
GB



Berthold Leibinger
Stiftung

HEALTH & WELLBEING, LIFE SCIENCES, PLANETARY HEALTH



FROM EVIDENCE TO ACTION: RESTORING PLANETARY HEALTH WITH SCIENCE AND COLLABORATION



Phaedra Henley
University of Global
Health Equity,
Assistant Professor
and Chair, *RW*



**Jean-Claude
Burgelman**
Frontiers Research
Foundation, Director
Frontiers Planet
Prize, *CH*




Abir Haddad
Institute for Legal
Transformation,
Founder and Director,
DE



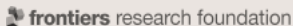
Patrick Cramer
Max Planck Institute
for Biophysical
Chemistry,
Director, *DE*



Felix Dapare Dakora
African Academy of Sciences,
President, *ZA*



Moderation
Nicole de Paula
Women Leaders for
Planetary Health,
Founder, *IT*



frontiers research foundation

ENGINEERING AND TECHNOLOGY,
HEALTH & WELLBEING, LIFE SCIENCES



APPLIED ARTIFICIAL INTELLIGENCE IN MEDICINE



Fabian Theis
Helmholtz Munich
Computational
Health Center,
Director, *DE*




Wolfgang Brück
University Medical
Center Göttingen,
Chairman of the
Executive
Board, *DE*




Julia Schnabel
TU Munich, Professor for
Computational Imaging
and AI in Medicine, *DE*



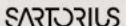
John Jumper
Deepmind, Senior Staff
Research Scientist, *GB*



Moderation
Dagmar Schuller
Audeering, Co-Founder
and CEO, *DE*



HELMHOLTZ
MUNICH



SARTORIUS

8 NOV FALLING WALLS CIRCLE – DEBATES ROUND TABLES

Round Tables bring attention to topics ranging from broader issues in science and society to more specific aspects of scientific development.

Depending on the topic, different methods of communication are used from presentations and interviews to panels and open discussions. In addition to experts from the respective field, the audience at the venue is usually encouraged to participate in the discussion. Most Round Tables are accessible free of charge via live stream.

BECOME
OUR PARTNER
AND JOIN THE
FALLING WALLS
COMMUNITY

Please contact
imke.rajamani@
falling-walls.com

LIFE SCIENCES



**PROGRAMMABLE
CHEMISTRY:
UNLOCKING A
NEW WAY OF
INNOVATION**



Lee Cronin
CEO Chemify, UK




Marwin Segler
Principal
Researcher,
Microsoft, UK



Djork-Arné Clevert
Head of Machine Learning
Research, Pfizer, DE



Sophia Yaliraki
Professor, Imperial
College London, UK



Moderation
Jason Whitmire
General Partner,
BlueYard, UK

**BLUE
YARD**

SOCIAL SCIENCES AND HUMANITIES



**SCIENCE
AND POLITICS:
BETWEEN INDE-
PENDENCE, INTER-
DEPENDENCE AND
PARTNERSHIP**



Maria Leptin
President, European
Research Council, BE



Armaghan Naghipour
Permanent Secretary
for Higher Education,
Research and Gender
Equality for the State
of Berlin, DE




Andrew Hurrell
Montague Burton
Emeritus Professor,
Oxford University, UK




Geraldine Rauch
President, Technical
University of Berlin, DE



Alessandro Allegra
Policy Assistant to R&I
Deputy-Director General,
European Commission, BE



Moderation
Alexandra-Gwyn Paetz
President, Berlin
University Alliance, DE



**Berlin University
Alliance**

8 NOV FALLING WALLS CIRCLE – DEBATES ROUND TABLES

SOCIAL SCIENCES AND HUMANITIES



CONFIDENCE IN RESEARCH

Matthias Mayer
Head of Department Science, Körber Foundation, DE

Jonathan Birdwell
Regional Director (EMEA), Policy & Insights, Economist Impact, UK

Laura Hassink
Managing Director, Journals, Elsevier, NL

Moderation
Tracey Brown
Director, Sense about Science, UK

ELSEVIER

Körber Stiftung

SCIENCEPRENEURS, START-UPS



EXCELLING SCIENCE ACCELERATORS: THE DO'S AND DON'TS OF INCUBATION AND ACCELERATION LEARNING FROM THE BEST WORLD-WIDE

Janette Wiget
CFO, Merantix, DE

Thorsten Lambertus
Managing Director, DEEP, DE

Christian Rommel
Head of Research and Development and Member of the Executive Committee, Bayer, DE

Maren Lesche
Founder and Program Director, Vision Health Pioneers Incubator, DE

SCIENCEPRENEURS FORUM

Moderation
Bennet Barth
Managing Director Respond, BMW Foundation Herbert Quandt, DE

BERLIN PARTNER for Business and Technology

BERLIN

PLANETARY HEALTH, SUSTAINABILITY



SUSTAINABILITY MEETS HEALTHCARE

Michael Schütz
Director and Chair, Jamieson Trauma Institute / Queensland University of Technology, AU

Arun Majumdar
Dean, Stanford Doerr School of Sustainability, University of Stanford

Volker Richter
Head of Integration Production Partner, BMW, DE

Moderation
Peta Ashworth
Director, Andrew N. Liveris Academy f. Innovation and Leadership, Univ. of Queensland, AU

LIVERIS ACADEMY

8 NOV FALLING WALLS CIRCLE – DEBATES ROUND TABLES

PLANETARY HEALTH, SUSTAINABILITY



Matthias Runkel
Head of Transport and Finance Policy, Forum Ökologisch-Soziale Marktwirtschaft, DE



Christoph Aberle
Research Fellow, Hamburg University of Technology, DE



Caroline Rozynek
Research Associate, University of Frankfurt, DE



Moderation
Janna Aljets
Senior Associate for Urban Mobility, Agora Verkehrswende, DE



STIFTUNG
MERCATOR

ENGINEERING AND TECHNOLOGY



Ian Walmstey
Provost, Imperial College London, UK



Michael Bolle
Chairman of the Shareholder, Council Carl-Zeiss-Stiftung, DE



Corey Stambaugh
Senior Policy Advisor, National Quantum Coordination Office at White House Office of Science and Technology Policy, US



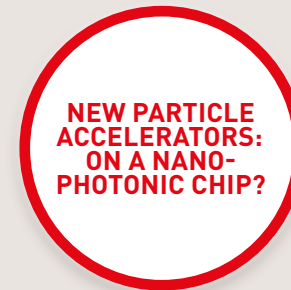
Sebastian Lubert
Senior Director Technology & Innovation, Infineon Technologies, DE



Moderation
Tommaso Calarco
Director, Institute for Quantum Control PGI-8, FZ Jülich, DE

HELMHOLTZ
QUANTUM

PHYSICAL SCIENCES



Peter Hommelhoff
Institute of Condensed Matter Physics, Chair of Laser Physics, FAU, DE



Moderation
Marija Vranic
Researcher, Instituto Superior Técnico, PT



Berthold Leibinger
Stiftung

8 NOV FALLING WALLS CIRCLE – DEBATES

BACKGROUND TABLES

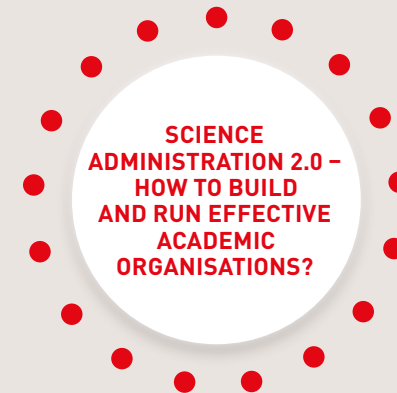
Background Tables are invitation-based events bringing together high-profile global leaders to discuss current and future developments in regard to specific challenges of scientific relevance in a moderated exchange.

All participants actively shape the discussion by sharing their ideas, questions and solutions. The commitment of the attendees to the Chatham House Rule encourages an honest, open discourse, retains its confidentiality and allows for disruptive thinking.

BECOME
OUR PARTNER
AND JOIN THE
FALLING WALLS
COMMUNITY

Please contact
imke.rajamani@
falling-walls.com

SCIENCE AND INNOVATION MANAGEMENT



PD

CREATIVE
BUREAUCRACY
FESTIVAL 

Participants:

- **Tommaso Calarco** Direktor, Institute for Quantum Control, Peter Grünberg Zentrum, FZ Jülich, *DE*
- **Dietmar Harhoff** Geschäftsführender Direktor, Max Planck Institut für Innovation und Wettbewerb, *DE*
- **Youssef Dhaibi** Direktor, Leiter der PD Science Group, PD, *DE*
- **Günther Hasinger** Direktor für Wissenschaft, ESA, *DE*
- **Ludwig Kronthaler** ehem. Vizepräsident für Haushalt, Personal und Technik, Humboldt Univ. zu Berlin, *DE*
- **Charles Landry** Festival President, Creative Bureaucracy Festival, *DE*
- **Wolfgang Marquardt** Vorstandsvorsitzender, FZ Jülich, *DE*
- **Nicole Münnich** Direktorin, Forschungsverbund Berlin, *DE*
- **Norbert Palz** Präsident, UdK, *DE*
- **Simone Schwanitz** Generalsekretärin, Max Planck Gesellschaft, *DE*
- **Peter Seeberger** Direktor, Max Planck Institut für Kolloid- und Grenzflächenforschung, *DE*
- **Sascha Spoun** Präsident, Leuphana Universität, *DE*
- **Julia Stamm** Festival Direktor, Creative Bureaucracy Festival, *DE*
- **Christian Stegmann** Erster Direktor d. Bereichs Astroteilchenphysik, Deutsches Elektronen-Synchrotron, *DE*
- **Matthias Steinmetz** Leiter, Leibniz Institut für Astrophysik, *DE*
- **Anja Tannhäuser** Mitglied der Geschäftsführung & Leiterin Marketing und Kommunikation, PD, *DE*
- **Kai von Holleben** Direktor & Leiter der Expert Group Personal & Organisation, PD, *DE*

Moderation:

Susanne Meyer Erste Vizepräsidentin, Hochschule für Wirtschaft und Recht, *DE*

BACKGROUND TABLES

SCIENCEPRENEURS, START-UPS





RESPONSIBLE LEADERSHIP AS A LEVER FOR CHANGE

Participants:

- **Raj B. Apte** Entrepreneur in Residence, X, The Moonshot Factory, *US*
- **Evrin Bunn** Strategic Partnerships & Science Communications Advisor, US Departm. of Homeland Security, *US*
- **Ekkehard Franzke** Strategic Advisor, Eudemian Ventures, *US*
- **Abir Haddad** Director, Institute for Legal Transformation, *DE*
- **André Loeseckrug-Pietri** Chairman, JEDI, *FR*
- **Swati Meherishi** Editorial Director, Applied Sciences and Engineering, Springer Nature, *UK*
- **Kari Mugo** Digital Media and Public Engagement Consultant, Mawazo Institute, *ZA*
- **Donata von Perfall** Director Documentary Campus, SILBERSALZ Science & Media Festival, *DE*
- **Massimo Caccia** Principal Investigator, Random Power, *IT*
- **Jules Hammond** CEO, BeFC, *FR*
- **Charlie Day** CEO, Jupiter Ionics, *AU*
- **Constanze Schweinsteiger** Partner, Roland Berger, *DE*
- **Jerome Etwaroo** Director, Coast Capital Innovation Centre, University of Victoria, *CA*
- **Stephanie Willerth** Chief Executive Officer, Axolotl Biosciences, *CA*
- **Michael Förtsch** CEO, Q.ANT, *DE*
- **Marie Brüser** Corporate Venture Manager, EIT Food, *DE*
- **Charles Landry** Founder, Comedia, *UK*
- **Gabriela de la Torre Garcia** General Director, Adopt a Talent Program, *MX*
- **Kaushal Kothari** President, Secure Guard Consulting, *US*
- **Scott Inwood** Director of Commercialization, University of Waterloo, *CA*
- **Lotta Lehtikainen** Business Coach, Chalmers Ventures
- **Anton Bauer** Founder, 4everProtein, *AT*
- **Merle Merdes** Student, Evangelisches Stift Tübingen, *DE*

Moderation: Ilisabe von Campenhäusen, Executive, BMW Foundation Herbert Quandt

SCIENCEPRENEURS FORUM

SCIENCE ENGAGEMENT





SCIENCE IN UKRAINE: STATUS QUO AND FUTURE FUNDING NEEDS

Participants:

- **Jörn Achterberg** Director International Affairs, German Research Foundation (DFG), *DE*
- **Frank Albrecht** Programme Director Philipp Schwartz Initiative, Alexander von Humboldt Foundation, *DE*
- **Kristine Bentz** Head of Science Funding, Vektor Foundation, *DE*
- **Lucian Brujan** Programme Director International Relations & Science Diplomacy · German National Academy of Sciences Leopoldina, *DE*
- **Nicole Freyer-Wille** MOE Fellowship Programm, The German Federal Environmental Foundation (DBU), *DE*
- **Anna Hofmann** Director/Head of Research and Scholarship, ZEIT-Stiftung, *DE*
- **Matthias Nöllenburg** Programme Director, Volkswagen Foundation, *DE*
- **Ursula Paintner** Director Communications at German Academic Exchange Service (DAAD), *DE*
- **Oliver Pieper** Innovation Policy Issues, Federal Ministry of Education and Research, *DE*
- **Birte Ruhardt** Head of Executive Board's Office, Gerda Henkel Foundation, *DE*
- **Oksana Seumenicht** Managing Director, German-Ukrainian Academic Gesellschaft, *DE*
- **Barbara Stollberg-Rilinger** Rector of the Wissenschaftskolleg, Wissenschaftskolleg zu Berlin, *DE*
- **Kateryna Terletska** Senior Researcher, National Academy of Sciences of Ukraine, *UA*

Moderation:

Adelheid Wessler, Head of Team Societal Transformations, Volkswagen Foundation, *DE*

BACKGROUND TABLES

ENGINEERING & TECHNOLOGY, SCIENCE & INNOVATION MANAGEMENT



NAVIGATING THE GLOBAL RACE FOR TECHNOLOGICAL SOVEREIGNTY

Participants:

- **Effronsini Chelioti** Director External Affairs & Deputy Managing Director, Helmholtz Association, *DE*
- **Marcus Conlé** Research Fellow, DESY, *DE*
- **Dan Cotter** Principal Director of the Office of Science and Engineering (OSE) in the Science and Technology Directorate (S&T), U.S. Department of Homeland Security, *US*
- **Jakob Adler** Managing Director, Fraunhofer Institute for Systems and Innovation Research ISI, *DE*
- **Jeroen Groenewegen-Lau** Head of Program Science, Technology and Innovation, Mercator Institute for China Studies (MERICS), *DE*
- **Antonia Hmaid** Analyst Science, Technology and Innovation Program, Mercator Institute for China Studies (MERICS), *DE*
- **Christoph Kirsch** Executive Vice President of the Representative Bosch Automotive Board Asia Pacific, Robert Bosch GmbH, *DE*
- **Joachim Kreuzburg** CEO, Sartorius, *DE*
- **Johannes Meier** Chairman of the Advisory Board, Mercator Foundation, *DE*
- **Armin Reinartz** Head of Directorate-General "European and International Cooperation in Education and Research", German Federal Ministry of Education and Research, *DE*

Moderation:

Claudia Wessling Director Communications and Publications, Mercator Institute for China Studies (MERICS), *DE*

SCIENCEPRENEURS, START-UPS



HOW TO BUILD ENTREPRENEURSHIP CENTERS

Participants:

- **Bennet Barth** Managing Director, Respond, BMW Foundation Herbert Quandt, *DE*
- **Andreas Dittes** Director of Entrepreneurship, Falling Walls Foundation, *DE*
- **Andrea Frank** Deputy Secretary General and Member of the Executive Board, Stifterverband, *DE*
- **Alexander von Frankenberg** Managing Director, High-Tech Gründerfonds, *DE*
- **Matthias Hilpert** Managing Director, MH2 Capital, *DE*
- **Volker Hofmann** Managing Director, Humboldt Innovation, *DE*
- **Verena Hubertz** Member of the German Bundestag & Deputy Chairwoman of the SPD Parliamentary Group, *DE*
- **Oliver Hunke** Unit manager, Federal Ministry for Economic Affairs and Climate Action, *DE*
- **Nicola Kurth** Editorial Director, Research.Table, Table Media, *DE*
- **Sabine Kuschel** Executive, BMW Foundation Herbert Quandt, *DE*
- **Rafael Laguna de la Vera** Managing Director, Federal Agency for Disruptive Innovation (SPRIND), *DE*
- **Andre Loeseckrug-Pietri** Chairman, Joint European Disruptive Initiative, *DE*
- **Volker Meyer-Guckel** Secretary General, Stifterverband, *DE*
- **Bernhard Milow** Head Technology Transfer, German Aerospace Center DLR, *DE*
- **Harald Pinger** Managing Director, HP Invest, *DE*
- **Hardy Schmitz** Hardy Schmitz Beteiligungsgesellschaft, *DE*
- **Thomas Sattelberger** former Parliamentary State Secretary and DAX board member, *DE*
- **Jens Schneider** Vice President for Innovation and International Affairs, TU Darmstadt, *DE*
- **Helmut Schönenberger** Managing Director, UnternehmerTUM, *DE*
- **Sebastian Turner** Founder Falling Walls Foundation, Publisher Table.Media, *DE*

Moderation:

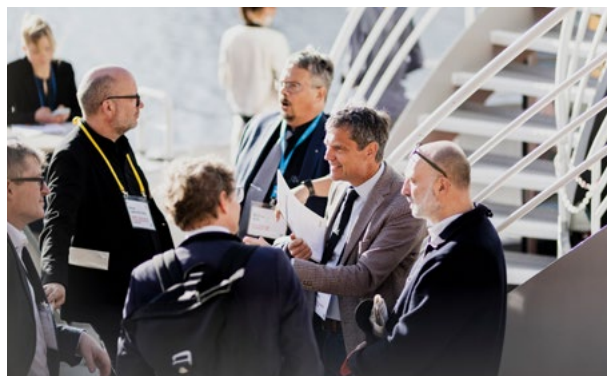
Marte Kessler *Moderation*, Director Transfer, Innovation and Cooperation, Stifterverband, *DE*

8 NOV FALLING WALLS CIRCLE

MEET-UPS – OUR NEW FORMAT TO CONNECT

Invitation-based, closed networking events bringing together global science leaders, rising stars and early-career professionals. All participants are actively involved by sharing their ideas and expertise.

NEW
2022



CIRCLE HIGH LEVEL MEET-UP

Network with handpicked global science leaders from all sectors

PARTICIPANTS INCLUDING:

David Gann, University of Oxford, *UK*
Wolfgang Ischinger, Munich Security Conference, *DE*
Arun Majumdar, Stanford Doerr School of Sustainability, *US*
Ian Walmsley, Imperial College London, *UK*



ENGAGE FOR GLOBAL ACTION

Build an international Science Engagement platform for Planetary Health

PARTICIPANTS INCLUDING:

Theo Anagnostopoulos, SciCo, *GR*
Brett Hooton, McGill University, *CA*
Alison Meston, International Science Council, *AU*
Kari Mugo, Mawazo Institute, *KE*

GORDON AND BETTY
MOORE
FOUNDATION



FEMALE SCIENCE TALENTS

Connect with female leaders and female leading scientists of tomorrow

PARTICIPANTS INCLUDING:

Susan-Stefanie Breitkopf, CTO, ZEISS, *DE*
Ruth Morgan, Director UCL Center for Forensic Sciences, *GB*
Lilia Moritz Schwarcz, Prof. in Anthropology, USP, *BR*
 and many more

ZEISS

FALLING WALLS FEMALE SCIENCE TALENTS

MEET THE FEMALE LEADERS OF TOMORROW



International Fall Gathering Berlin: Jane Achan, Andrea Guzmán Mesa, Paola Carrillo-Bustamante



Abir Haddad, Institute for Legal Transformation, DE



“INTENSIVE TRACK WILL CERTAINLY BE REMEMBERED AS ONE OF THE TURNING POINTS IN MY CAREER JOURNEY. YOUR SUPPORT IS AND WILL BE MEMORABLE!”

DR. EZGI KAYHAN WAGNER University of Potsdam, DE

126

APPLICATIONS

40

COUNTRIES

94

ORGANIZATIONS

45

DISCIPLINES

- 28 IN LIFE SCIENCES & NATURAL SCIENCES
- 9 IN ENGINEERING & TECHNOLOGY
- 3 IN HUMANITIES
- 5 IN SOCIAL SCIENCES

20

ANNUAL CHAMPIONS IN THE INTENSIVE TRACK

700+

WORKSHOP PARTICIPANTS IN A GROWING COMMUNITY

The programme empowers visionary women with a strong research background to take up a leadership role in science, business, or society. Falling Walls promotes responsible leadership, diversity of talent and encourages participants to become part of an international network of outstanding female science talents.

OUR ACTIVITIES:

- Leadership Skill Webinar Series
- International Spring Gathering in Berlin – Workshops and Talks
- International Fall Gathering in Berlin – Workshops and Talks

- Talent Meet-Up on the Falling Walls Science Summit
- Mentoring

SUPPORT THE ACTIVITIES & MEET THE FALLING WALLS FEMALE SCIENCE TALENTS
falling-walls.com/female-science-talents/

8 NOV FALLING WALLS CIRCLE – SYMPOSIA

VOLKSWAGEN FOUNDATION SYMPOSIUM ON SOCIAL SCIENCES & HUMANITIES



Early Career Researcher Pitches

WORKING THROUGH THE DIS- CONTENT OF THE PRESENT

Racha Kirakosian Breaking the Wall to Neuromedievalism, Albert-Ludwigs-Universität Freiburg, Professor, *DE*

Ulrike Felt Breaking the Wall to a Different Understanding of Innovation in Societies, University of Vienna, Professor, *AT*

PROBING OUR ASSUMPTIONS ABOUT CLIMATE CHANGE

Victoria Reyes-García Breaking the Wall of Knowledge Systems to Understand Local Climate Change Impacts, ICREA - Universitat Autònoma de Barcelona, Research Professor, *ES*

Nikita Sud Breaking the Wall to the Making of Land, University of Oxford, Professor, *UK*

Sunil Amrith Breaking the Wall to Reimagining Environmental Justice in Historical Perspective, Yale University, Renu and Anand Dhawan Professor of History, *US*

SKETCHING NEW PREMISES FOR SOCIAL ETHICS

Sheila Jasanoff Breaking the Wall to a Global Observatory on the Ethics of Human Genome Editing, Harvard Kennedy School, Professor, *US*

Serena Parekh Breaking the Wall to Understand the Depth of the Global Refugee Crisis, Northeastern University, Prof., *US*

Eeva Luhtakallio Breaking the Wall to Recognising Visual Politicisation, University of Helsinki, Scholar, *FI*

EARLY CAREER RESEARCHER PITCHES: DIGITAL TECHNO- LOGY AND EMERGING SUBJECTIVITIES

Mengchen Dong Max Planck Institute for Human Development, Postdoctoral Fellow, *DE*

Danilo Mandic University of Westminster, PhD Student, *UK*

Maxwell Mutanda University College London, Lecturer, *UK*

Other formats:

PANEL DISCUSSION
NETWORKING
WORLD CAFÉ

Further active participants:


Anne Dünger Friedrich-Schiller-Univers. Jena, Sciencemanager, *DE*

Sebastian Matthes Volkswagen Foundation, Program Director, *DE*

Gregor Hofmann WZB - Berlin Social Science Centre, Head of the Presidential Department *DE*

WZB

Social Science Research Center
Berlin

 VolkswagenStiftung

8 NOV FALLING WALLS CIRCLE – SYMPOSIA

SYMPOSIUM ON LIFE SCIENCES



Jennifer Taylor-Cousar, National Jewish Health, US

CELL THERAPY

Benjamin Rosental Breaking the Wall to Stem Cell Transplantation for Corals Cell-Therapy, Ben-Gurion University of the Negev, Assistant Professor, *IL*

Matching Talk:

Maria Ester Bernardo From Hematopoietic Stem Cell Transplantation (HSCT) to Hematopoietic Stem Cell Therapy (HSC-GT), Università Vita-Salute San Raffaele, Associate Professor, *IT*

GENES, GENOMES AND DISEASE

Evan Eichler Breaking the Wall to the Complete Sequence of a Human Genome, University of Washington, Research Professor, *US*

Matching Talk:

Manuel Kaulich Breaking the Wall to Map Genetic Interactions in Human Cells, Goethe University Frankfurt, Professor, *DE*

INFORMATION PROCESSING

Iain Couzin Breaking the Wall to Understand Individual and Collective Decision-making, Max Planck Institute of Animal Behavior, Director of Biodiversity and Collective Behavior, *DE*

Matching Talk:

Tobias Moser Breaking the Wall of Hearing Restoration, University Medical Center Göttingen, Professor, *DE*

CYSTIC FIBROSIS

Marcus Mall Breaking the Wall to Cystic Fibrosis Treatment, Charité - Universitätsmedizin Berlin, Director of Pediatric Respiratory Medicine, Immunology and Critical Care Medicine, *DE*

Matching Talk:

Jennifer Taylor-Cousar Breaking the Wall to Pregnancy and Parenthood in Cystic Fibrosis, National Jewish Health, Medical Director, *US*

GUT MICROBIOME

Randall Platt, Breaking the Wall to Measuring Gut Health Using Sentinel Cells, *ETH* Zurich, Professor, *CH*

Matching Talk:

Sofia Kirke Forslund Distinguishing Disease from Drug Signatures in High-Throughput Host-Microbiome Data, Max Delbrück Center, Group Leader, *DE*

LARGE DATASETS AND RELATED TECHNOLOGICAL INNOVATION - IMPACT ON RESEARCH IN LIFE SCIENCES

Marco Schmidt, Biotx.ai, *CSO, DE*

*Other formats:***MATCHING TALK NETWORKING***Further active participants:***Christiane Löll** Editor-in-Chief Science Department, GEO/P.M. *DE*

8 NOV FALLING WALLS CIRCLE – DAY FOR DEBATES & SYMPOSIA

WILHELM AND ELSE HERAEUS FOUNDATION SYMPOSIUM ON PHYSICAL SCIENCES



Peter Baum, University of Konstanz, DE

BREAKING THE WALL TO PRECISION MEASUREMENT

Nathalie Piqué Max Planck
Institute of Quantum Optics,
Group Leader, *DE*

BREAKING THE WALL TO TOPOLOGICAL TRANSPORT OF LIGHT

Sebastian Klemmt University
of Würzburg, Assistant
Professor, *DE*

BREAKING THE WALL TO VISU- ALIZE MATERIAL TRANSFOR- MATIONS ON ATOMIC DIMENSI- ONS IN SPACE AND TIME

Peter Baum University of
Konstanz, Professor, *DE*

BREAKING THE WALL TO RE- NEWABLE ENERGY DEVICES THAT DON'T COST THE EARTH

Anthony Kucernak Imperial
College London, Professor, *UK*

BREAKING THE WALL TO SELF-HEATING PLASMAS

Alex Zylstra Lawrence Liver-
more National Laboratory,
Experimental Physicist, *US*

BREAKING THE WALL TO MATTER-ANTIMATTER COMPARISONS

Stefan Ulmer RIKEN - Institute
for Physical and Chemical Scien-
ces, Senior Scientist, *JP/CH*

BREAKING THE WALL TO THE QUANTUM WORLD OF ULTRA- COLD MOLECULAR GASES

Silke Ospelkaus Leibniz Uni-
versity Hannover, Professor, *DE*

BREAKING THE WALL TO THE FIRST IMAGES OF BLACK HOLES

Luciano Rezzolla Goethe Uni-
versity Frankfurt, Professor, *US*

BREAKING THE WALL TO THE EARLY UNIVERSE

Jeyhan Kartaltepe Rochester
Institute of Technology, Asso-
ciate Professor, *US*

EARLY CAREER RESEARCHER PITCHES

Manuel Ettengruber Max Planck Institute for Physics, PhD Student, *DE*

Tamara Milicic Max Planck Institute for Dynamics of Complex Technical Systems, PhD Student, *DE*

Viviane Schmidt Max Planck Institute for Nuclear Physics, PhD Student, *DE*

Dominika Lyzwa Max Planck Institute for Dynamics and Self-Organization, Postdoctoral Researcher, *DE*

Farah Atour Max Planck Institute for Plasma Physics, PhD Student, *DE*

Amelia Estrý École Polytechnique Fédérale de Lausanne, PhD Student, *CH*

Other formats:

**SPEAKER CORNERS
NETWORKING**

Further active participants:

Thomas Elsässer Max Born Institute, Director emeritus, *DE*

Oliver Benson Humboldt University Berlin, Professor, *DE*

Stefan Jorda Wilhelm and Else Heraeus Foundation, Managing Director, *DE*

Bernd Rech Helmholtz-Zentrum Berlin, Scientific Director, *DE*

WILHELM UND ELSE
HERAEUS-STIFTUNG



8 NOV FALLING WALLS CIRCLE – SYMPOSIA

SPRIND SCIENCEPRENEURSHIP SYMPOSIUM



Amir Banifatemi, X-Prize Foundation, US & Dominic Falcão, Deep Science Ventures, GB

STARTUP ECOSYSTEMS

Pranav Arya Startup Genome, Senior Consultant, *IN*

NETWORKS

Nicole Büttner Merantix Momentum, Founder & CEO, *DE*

CREATIVITY

Helen van Baal IKEA, Global Venture Lead, *SE*

TECH TRANSFER

Scott Inwood University of Waterloo, Director of Commercialization, *CA*

MINDSET

Amir Banifatemi X-Prize Foundation, Chief Innovation Officer, *US*

FUNDING

Jason D. Whitmire BlueYard Capital, Founder & General Partner, *US*

TALENT

Dominic Falcão Deep Science Ventures, Founding Director, *GB*

A SCIENCEPRENEUR'S JOURNEY

Ulrike Pfreundt rrrreefs, Co-founder & Head of Science, *CH*

Panel:

THE ENTREPRENEURIAL STATE

Mario Brandenburg Federal Ministry of Education and Research, Parliamentary State Secretary, *DE*

Rafael Laguna de la Vera Federal Agency for Disruptive Innovation (SPRIND), Managing Director, *DE*

Jui Lim SGInnovate, CEO, *SG*

Kadi Silde NATO, Chief of Staff at DIANA, *BE*

Martina Siwek Office of Naval Research Global, Science Director, *CZ*

Other formats:

SPRIND LOUNGE
SPEAKER CORNER

Further active participants:

Sebastian Turner Falling Walls Foundation, Founder, *DE*

Zulfikar Abbany Moderator Deutsche Welle, Senior Science Editor, *DE*

SPRIND

9

NOVEMBER

BREAK-THROUGHS

FALLING WALLS SCIENCE SUMMIT

42





Breakthrough Science & Innovation Management, Rachel Kropa, FootPrint Coalition, US



Winner Special Award for Inclusive Science Engagement, Carrie Boyce, Science is a Drag, CA



Breakthrough Social Sciences & Humanities, Sunil Amrith, Yale University, US



Breaks: Time to Network and Reflect

“WE GET THE REVENUE OF THIS MAYBE NOT IN 2 YEARS, BUT IN 5 TO 10 YEARS AND THEN IT WAS DEFINITELY WORTH IT – OR MAYBE ONLY 20 YEARS, IT’S STILL GONNA BE WORTH IT.”

Peter Hommelhoff Friedrich-Alexander-Universität Erlangen-Nürnberg



Creative Support on Stage



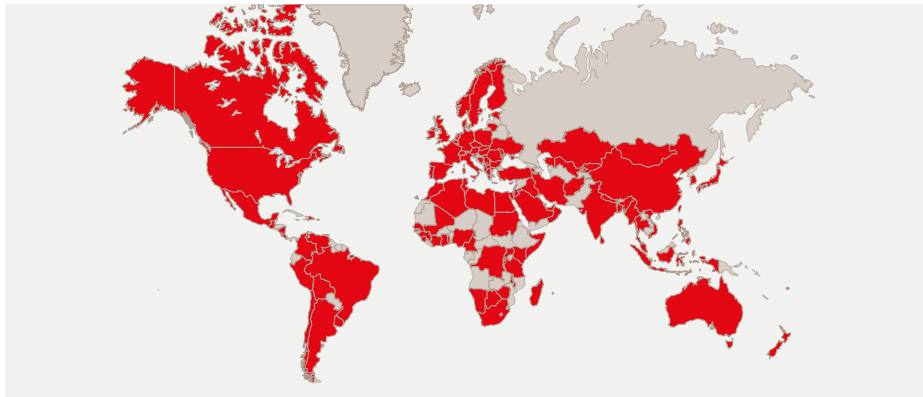
Replica of the James Webb Space Telescope



Sheila Jasanoff, Harvard University, US

FALLING WALLS SCIENCE BREAKTHROUGHS OF THE YEAR

RECOGNIZING AND HONORING BREAKTHROUGH RESEARCH



GLOBAL CALL



Leading academics as well as universities, research organizations, companies, foundations and research institutes are called to nominate breakthrough projects in ten categories. The renowned juries, chaired by Helga Nowotny, President Emeritus of the European Research Council, are identifying the best admissions.



THE GRAND FINAL

FALLING WALLS BREAKTHROUGHS OF THE YEAR



On 9 Nov, the anniversary of the historic fall of the Berlin Wall, the Breakthrough Day provides a stage for “the brightest minds on the planet” (BBC) in Berlin. Outstanding research is showcased in 15-minute presentations focusing on the question, “What are the next walls to fall in science and society?”.

THE GLOBAL CALL FOR NOMINATIONS PROCESS

IDENTIFYING MOST OUTSTANDING BREAKTHROUGHS

GLOBAL CALL

to all research institutions worldwide

1300+ NOMINATIONS

from 104 countries and 350+ institutions

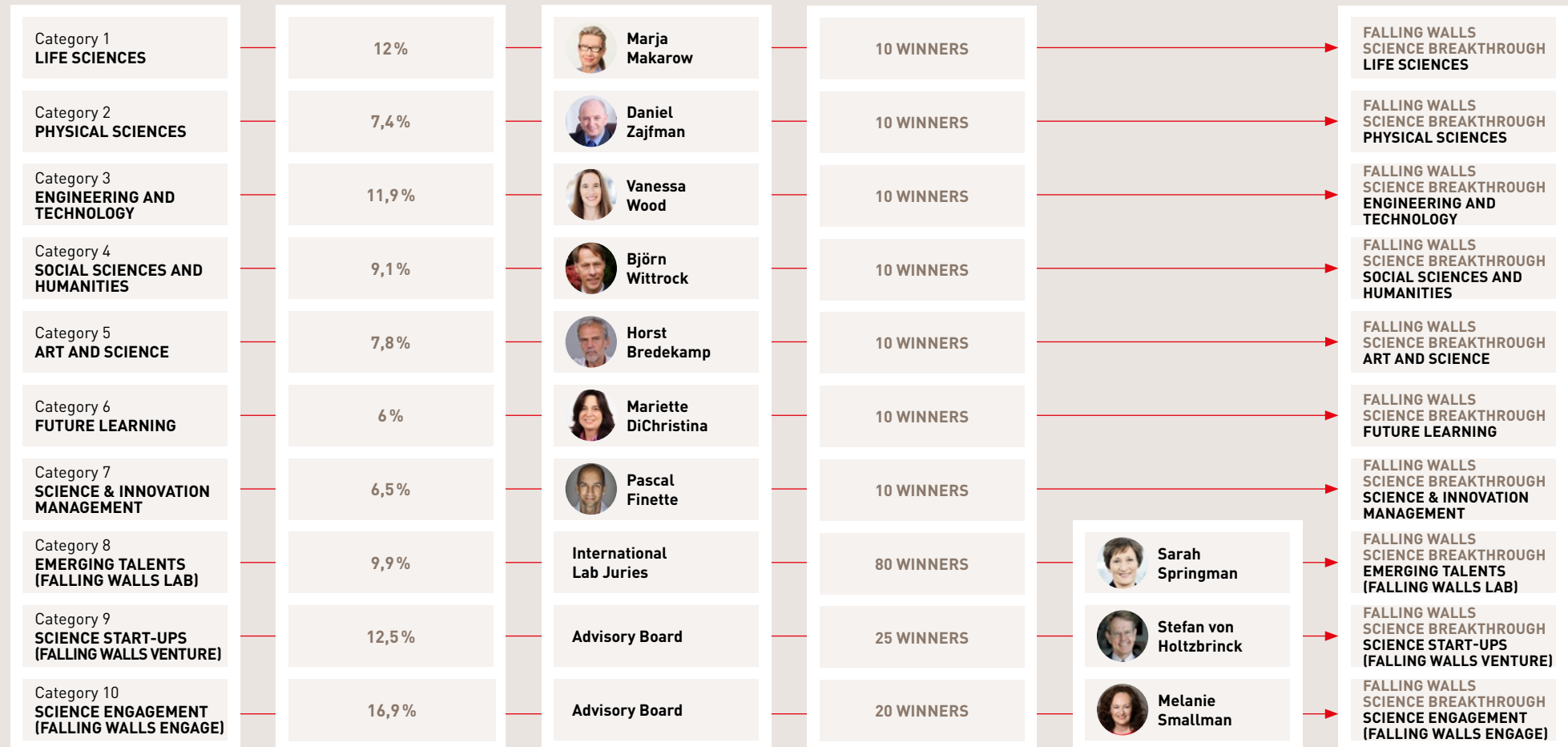
10 JURY CHAIRS

 **Helga Nowotny**
Chair of the Chairs

195 WINNERS

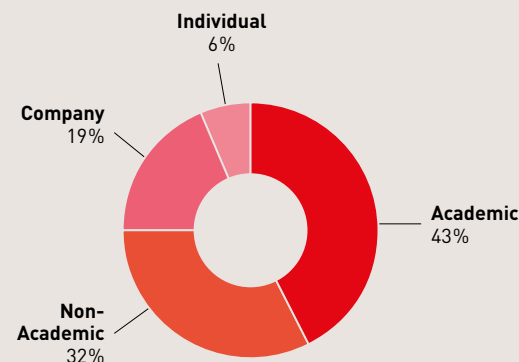
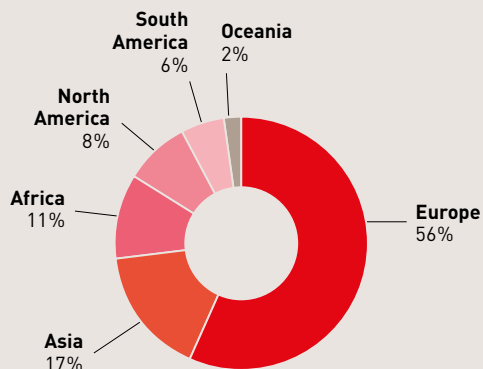
were shortlisted

10 SCIENCE BREAKTHROUGHS OF THE YEAR



SEARCHING FOR THE SCIENCE BREAKTHROUGHS OF THE YEAR

WORLD CLASS NOMINATING INSTITUTIONS



EUROPE

Aalto University, *FI*
 Cambridge Enterprise, *GB*
 European Organization for Nuclear Research (CERN), *CH*
 Centre National de la Recherche Scientifique (CNRS), *FR*
 DeepMind, *GB*
 European Commission, *FR*
 ETH Zurich, *CH*
 Frontiers, *GB*
 IBM Research, *CH*
 Imperial College London, *GB*
 National Institute of Chemistry, *SI*
 University of Copenhagen, *DK*
 University of Oxford, *GB*
 Technische Universität Wien, *AT*
 The Spanish National Research Council, *ES*
 Technical University Delft, *NL*

GERMANY

BMW Foundation, *DE*
 Boehringer Ingelheim International GmbH, *DE*
 Charité – Universitätsmedizin Berlin, *DE*
 Freie Universität Berlin, *DE*
 German Aerospace Center, *DE*
 Helmholtz-Gemeinschaft, *DE*
 House of Electronic Arts Basel, *CH*
 Humboldt University, *DE*
 RWTH Aachen University, *DE*
 Heidelberg University, *DE*
 Technische Universität Berlin, *DE*
 Technical University of Munich, *DE*

AFRICA

Africa Health Research Institute, *ZA*
 Icipe, *KE*
 Uganda National Council f. Science a. Tech., *UG*
 University of Cape Town, *ZA*
 University of South Africa, *ZA*

NORTH AMERICA

Canadian Institute for Advanced Research, *CA*
 Duke University, *US*
 Fermi National Accelerator Laboratory (Fermilab), *US*
 Google X, *US*
 Harvard University, *US*
 Massachusetts Institute of Technology, *US*
 National Research Council Canada, *CA*
 New York University, *US*
 Stanford University, *US*
 Univ. of California San Francisco (UCSF), *US*
 University of Toronto, *CA*
 Yale University, *US*

OCEANIA

Deakin University, *AU*
 Australian Academy of Science, *AU*
 University of Auckland, *NZ*

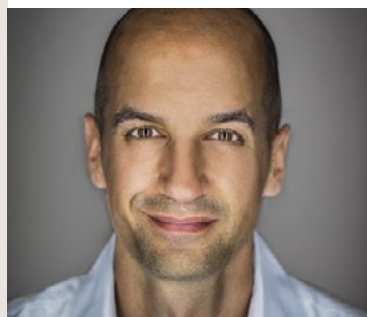
SOUTH AMERICA

National Scientific and Technical Research Council (CONICET), *AR*
 Pontifical Catholic University of Peru, *PE*
 Pontificia Universidad Católica de Chile, *CL*
 National University of Colombia, *CO*
 University of São Paulo, *BR*

ASIA

Chinese Academy of Sciences, *CN*
 Japan Science and Technology Agency, *JP*
 King Abdullah Univ. of Science a. Technology, *SA*
 Ministry of Higher Education, Research and Innovation, *OM*
 Nanyang Technological University, *SG*
 National University of Singapore, *SG*
 Shell E4, *IN*
 Tohoku University, *JP*
 The Chinese University of Hong Kong, *HK*
 World Scientific Publishing Company, *SG*

OUR DISTINGUISHED JURY 2022

EXPERTISE IN 10 CATEGORIES**CHAIR OF THE CHAIRS**
HELGA NOWOTNY
Former President
European Research Council, *AT***LIFE SCIENCES****MARJA MAKAROW**
European Academy / University of
Helsinki, *FI***PHYSICAL SCIENCES****DANIEL ZAJFMAN**
Weizmann Institute of Science, *IL***ENGINEERING &
TECHNOLOGY****VANESSA WOOD**
ETH Zurich, *CH***SOCIAL SCIENCES &
HUMANITIES****BJÖRN WITTRÖCK**
Swedish Collegium for Advanced
Study, *SE***ART & SCIENCE****HORST BREDEKAMP**
Humboldt University Berlin, *DE***FUTURE LEARNING****MARIETTE DICHRISTINA**
Boston University, *US***SCIENCE & INNOVATION
MANAGEMENT****PASCAL FINETTE**
be radical, *US***EMERGING TALENTS |
FALLING WALLS LAB****SARAH SPRINGMAN**
St Hilda's College,
University of Oxford, *GB***SCIENCE START-UPS |
FALLING WALLS VENTURE****STEFAN VON HOLTZBRINCK**
Holtzbrinck Publishing Group, *DE***SCIENCE ENGAGEMENT |
FALLING WALLS ENGAGE****MELANIE SMALLMAN**
University College London, *GB*

FALLING WALLS SCIENCE BREAKTHROUGHS OF THE YEAR 2022

MOST INNOVATIVE BREAKTHROUGHS WORLD-WIDE


LIFE SCIENCES



BREAKING THE WALLS TO TREATING RARE GENETIC DISEASES

MARCUS MALL
Head of the Department of Pediatric Respiratory Medicine, Charité – Universitätsmedizin Berlin, *DE*


PHYSICAL SCIENCES



BREAKING THE WALL TO PRECISION MEASUREMENT

NATHALIE PICQUÉ
Professor of Applied Physics Research Group Leader, Max Planck Institute of Quantum Optics, *DE*


ENGINEERING & TECHNOLOGY



BREAKING THE WALL OF PLASTIC WASTE

TING XU
Professor, University of California, Berkeley, *US*

SOCIAL SCIENCES & HUMANITIES



BREAKING THE WALL TO ENVIRONMENTAL JUSTICE

SUNIL AMRITH
Renu and Anand Dhawan Professor of History, Yale University, *US*


ART & SCIENCE



BREAKING THE WALL TO STORING DATA IN PLANTS

CYRUS CLARKE
Co-Founder & Strategy Lead
MONIKA SEYFRIED
Co-Founder & Operations Lead both Grow Your Own Cloud, *FR/GB & PL*

FUTURE LEARNING



BREAKING THE WALL TO INTEGRATION

ALINE SARA
Co-Founder and CEO, NaTakallam, *LB & US*


SCIENCE & INNOVATION MANAGEMENT



BREAKING THE WALL TO RAPID SCIENCE FUNDING

RACHEL KROPP
Founder, FootPrint Coalition, *US*


EMERGING TALENTS | FALLING WALLS LAB



BREAKING THE WALL OF ACID MINE DRAINAGE

TAMLIN SASHA NAIDU
Postdoctoral Research Fellow, University of the Witwatersrand & EE@Work, *ZA*

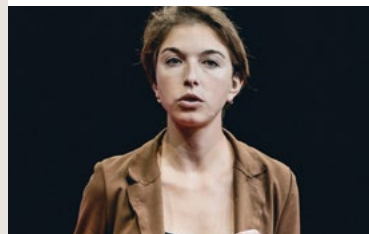
SCIENCE START-UPS | FALLING WALLS VENTURE



BREAKING THE WALL OF SCALABLE QUANTUM COMPUTING

SIMON GROEBLACHER
CEO, QphoX, *NL*

SCIENCE ENGAGEMENT | FALLING WALLS ENGAGE



BREAKING THE WALL TO CIVIC EVIDENCE OF ENVIRONMENTAL HARMS

ANNA BERTI SUMAN
Marie Skłodowska-Curie fellow, The European Commission Joint Research Centre, *IT*

9 NOV FALLING WALLS BREAKTHROUGH DAY

BE INSPIRED & NETWORK WITH HIGH-PROFILE SCIENTISTS**BREAKING THE WALL TO ULTRA FAST GENOME SEQUENCING**

SHANKAR BALASUBRAMANIAN
Herchel Smith,
Professor of Medicinal Chemistry,
University of Cambridge, *GB*

**KEYNOTE SPEECH**

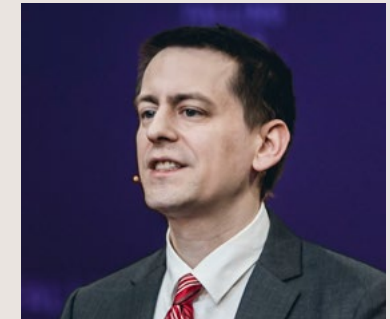
JENS BRANDENBURG
Parliamentary State Secretary,
Federal Ministry of Education and
Research, *DE*

**BREAKING THE WALL TO COLLECTIVE INTELLIGENCE**

EDWARD CHANG
Joan and Sanford Weill Chair of
Neurological Surgery, University of
California, San Francisco, *US*

**BREAKING THE WALL TO INCLUSIVE DELIBERATION**

SHEILA JASANOFF
Pforzheimer Professor of Science and
Technology Studies, Harvard Kennedy
School, *US*

**BREAKING THE WALL TO UNDERSTANDING LIFE**

JOHN JUMPER
Senior Staff Research Scientist,
DeepMind, *GB*

**BREAKING THE WALL TO THE EARLY UNIVERSE**

JEYHAN KARTALTEPE
Rochester Institute of Technology, *US*

**BREAKING THE WALL TO HOLISTIC SUSTAINABILITY**

ARUN MAJUMDAR
Dean of Doerr School, Stanford
University, *US*

**BREAKING THE WALL OF AUTHORITARIANISM**

LILIA MORITZ SCHWARCZ
Professor in Anthropology,
University of São Paulo, *BR*

**KEYNOTE SPEECH**

KATERYNA TERLETSKA
Head of the Laboratory of
Mathematical Science,
Junior Academy of Sciences of
Ukraine, *UA*

**BREAKING THE WALL OF UNSOLVED MATHEMATICS PROBLEMS**

MARYNA VIAZOVSKA
École Polytechnique Fédérale de
Lausanne (EPFL), *UA*

FALLING WALLS SCIENCE SUMMIT VIA LIVESTREAM 2022

LIVE WORLDWIDE: JOIN THE SUMMIT REMOTELY ONLINE!



**9 LIVESTREAMS
TO FOLLOW CUTTING
EDGE SCIENCE**

7 NOV PITCHES

- 1 ENGAGE**
- 2 LAB**
- 3 VENTURE**

8 NOV DEBATES & SYMPOSIA

- 4 PLENARY TABLES**
- 5 ROUND TABLES**
- 6 SCIENCEPRENEURS 2022 /
SPRIND SYMPOSIUM**
- 7 CONVERSATIONS**

9 NOV BREAKTHROUGHS

- 8 19 BREAKTHROUGHS
ON STAGE**
- 9 CONVERSATIONS**

FALLING WALLS BREAKTHROUGH CONVERSATIONS

MEET EXPERTS FROM THE SCIENCE WORLD AND ASK YOUR QUESTION

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FALLING WALLS
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SPEAKERS

Jane Achan

Senior Research Advisor
Malaria Consortium, *GB*

Sunil Amrith

Professor of History
Yale University, *US*

Shankar Balasubramanian

Herchel Smith Professor of
Medicinal Chemistry
University of Cambridge, *GB*

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DeepMind, *US*

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US

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Head of the Scientific Committee
National Council of Ukraine
on Science and Technology
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Rachel Kropa

Founder & Managing Director
of Nonprofit + Science
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CONTENT LIBRARY: THE PERMANENT STAGE 24/7

EASY ACCESS: ALL DIGITAL CONTENT AT A GLANCE

The world of science and research on one digital platform: All digital resources and sessions from the Falling Walls Science Summit 2022 are hosted in our exclusive content library. Due to easy access and meaningful cross-referencing this platform guarantees an inspiring experience about amazing breakthroughs in science.

Although the Science Summit 2022 is over, our extensive content library is a thrilling attraction for a global audience day by day. Since its launch in 2020, approximately 1000 videos of researchers presenting and discussing their scientific breakthroughs have made the library an ever-growing resource for finding and sharing knowledge and innovation.

Visit falling-walls.com/discover/

The screenshot displays the 'FALLING WALLS DISCOVER' website. At the top, it says 'FIND YOUR CONTENT' and 'Welcome to the world of science. What do you want to discover?'. A search bar is visible. On the left, there is a sidebar with filters for 'MEDIA TYPE' (Videos: 1,297, Articles: 48) and 'TOPIC' (Emerging Talents: 275, 2022: 229, Winner: 163, Life Sciences: 161, 2022 Winner: 154, Science Engagement: 184, Engineering & Technology: 145, Science Start-Ups: 124, Physical Sciences: 188, Social Sciences and Humanities: 83, Future Learning: 82, 2022 Winner | Emerging Talents: 78, Global Call Winner: 70, Science and Innovation Management: 191, Art and Science: 54). Below the sidebar, a grid of 15 video thumbnails is shown, each with a play button icon and a title. The titles include: 'LAUNCH OF THE FALLING WALLS ENGAGE HUB SOUTH AFRICA: "MY BRAIN HAS EXPANDED"', 'AFFORDABLE RENEWABLE ENERGY: BREAKING THE WALL OF SOLAR WIND HYBRID NURUDEEN ISSA', 'REDUCING THE CARBON FOOTPRINT OF ARTIFICIAL INTELLIGENCE: BREAKING THE WALL OF ANALOG AI TECHNOLOGY PRATIK KUMAR', 'USING SOLAR POWER FOR COMPUTER LABS: BREAKING THE WALL OF DIGITAL INEQUALITY CARMEN NDELIE ABLA EKLOU-ADEGNOH', 'ACCELERATING CARBON CAPTURE BY MARINE ECOSYSTEMS: BREAKING THE WALL OF OCEANIC CO2 REMOVAL LORENA NEIRA RAMÍREZ', 'FACILITATING THE SPACE SUSTAINABILITY: BREAKING THE WALL OF SPACE DEBRIS AT SCALE NIKLAS WENDEL', 'PYROLYSIS TO PRODUCE DIESEL FUEL: BREAKING THE WALL OF PLASTIC WASTE KOFFI ALAIN FABRICE KOUAMÉ', 'IMPROVING SOIL FERTILITY IN ARID LANDS: BREAKING THE WALL OF FOOD SECURITY BATOOL ALBAR', 'VR BASED WALK STIMULATION DEVICE: BREAKING THE WALL OF REMOTE REHABILITATION LILIT GUROGHLYAN', 'REDUCING CARBON FOOTPRINT OF ARCHITECTURAL PROJECTS: BREAKING THE WALL OF LOW-CO2 BUILDINGS TAÍS DE MORAES ALVES', 'BIODEGRADABLE SANITARY TOWELS: BREAKING THE WALL OF MENSTRUAL HEALTH BONFACE JIVERI', 'INVESTIGATING SCHIZOPHRENIA WITH BRAIN-ON-A-CHIP: BREAKING THE WALL OF SINGLE NEUROSCIENCE DR. ENRICO PATRONO', 'SUSTAINABLE PRODUCTION OF FOSSIL FUEL ALTERNATIVES: BREAKING THE WALL OF CLEAN HYDROGEN SARAH MARTELL', 'IMPROVING OSTEOPOROSIS TREATMENT WITH TICU ALLOY FIXATION SCREWS: BREAKING THE WALL OF OSTEOPOROTIC BREAK XIYUE ZHANG', and 'PREVENTING SECONDARY BLEEDING WITH SUPERHYDROPHOBIC HEMOSTATIC DEVICE: BREAKING THE WALL OF PRE-HOSPITAL TRAUMA DR. YISHNU SUNIL'.

RESULTS



THE FALLING WALLS WORLD MAP 2022

130 COUNTRIES – WORLDWIDE AUDIENCE



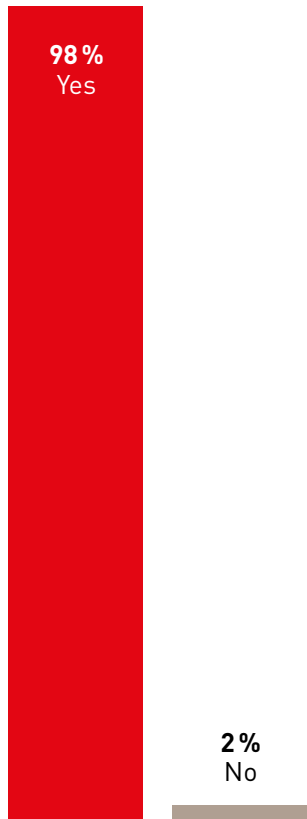
*Due to the Russian aggression in Ukraine
no official representatives of Russia were admitted.
The online stream was accessible and globally
not restricted.*

The global interest in science continues to grow. In 2022 the Falling Walls Science Summit connected again to most of the world and was able to consolidate its reach.

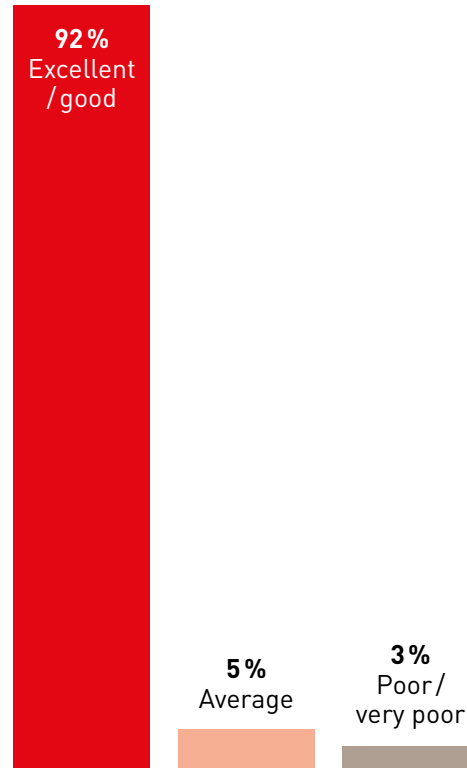
PARTICIPANTS SURVEY

SATISFACTION: VERY HIGH AGAIN

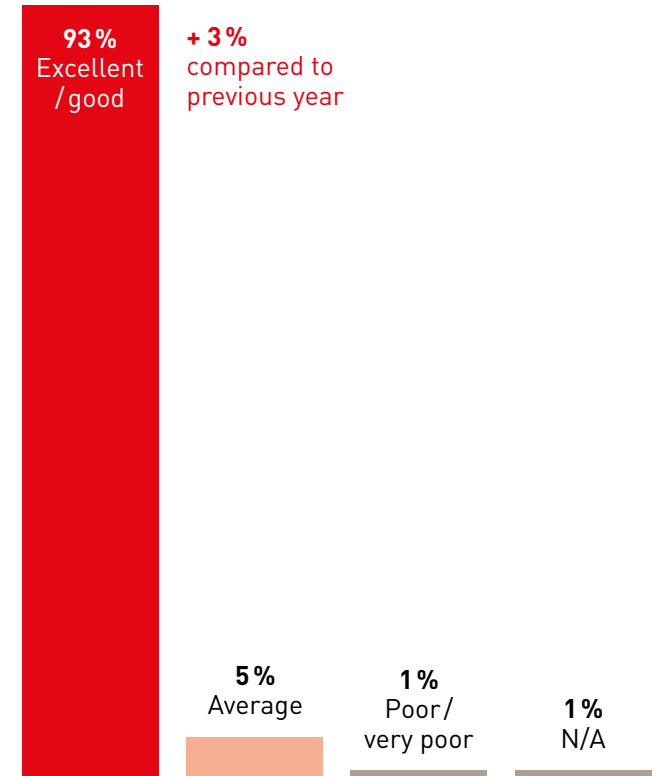
98% of the visitors would like to attend again.



92% rated the overall impression as good or excellent.








93% of the participants think that the Science Summit positively contributes to the reputation of Germany and Berlin as a hub for science and research












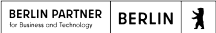








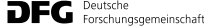



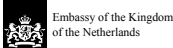
















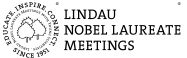






















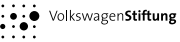






COVERAGE OF FALLING WALLS IN INTERNATIONAL MEDIA

MEDIA CONTACTS WORLDWIDE REACHED

alexandria	ARD 	ASIANSCIENTIST	Berliner  Morgenpost	Berliner  Zeitung
Bloomberg	Domani	GROWTH EXPONENTIAL	Frankfurter Allgemeine <small>ZEITUNG FÜR DEUTSCHLAND</small>	Forschung & Lehre <small>ALLES WAS DIE WISSENSCHAFT BEWEGT</small>
Handelsblatt	MIT Technology Review	rbb/24 ABENDSCHAU	rbb/24 INFORADIO	rnd RedaktionsNetzwerk Deutschland
SCIENCE BUSINESS®	SCIENCES ET AVENIR	Spektrum <small>der Wissenschaft</small>	SPRINGER NATURE	THE PAPER FOR THE PEOPLE Sunday Times
Süddeutsche Zeitung	TAGESSPIEGEL	taz 	TED	THE CONVERSATION
THE NEW YORKER	Wiley Analytical Science	WISSENSCHAFT aktuell	ZEIT  ONLINE	... and many more

OUR PARTNERS & SUPPORTERS
THANK YOU!

							
							
							
							
							
							
							
							
					... and many more		

FALLING WALLS SCIENCE SUMMIT IS A PART OF THE BERLIN SCIENCE WEEK

BERLIN SCIENCE WEEK – AN INTERNATIONAL SCIENCE FESTIVAL



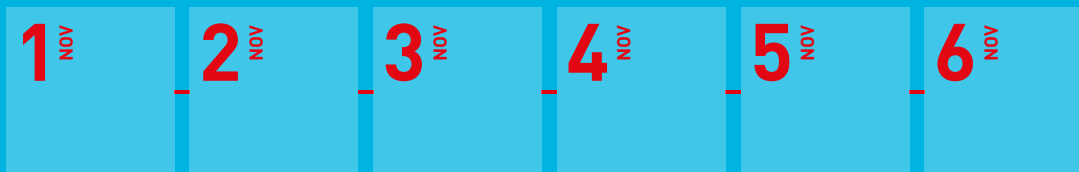
berlinscienceweek.com

Berlin Science Week is an annual 10-day international festival from 1 to 10 November that brings together innovative and distinguished scientific organisations from all over the world to present their work and to enable an open and interdisciplinary exchange of ideas and knowledge.

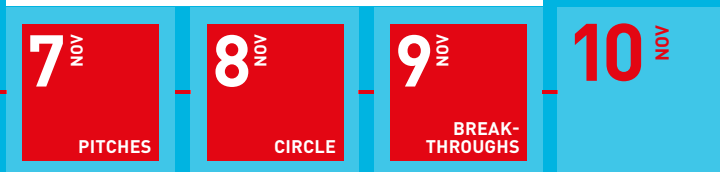
Berlin Science Week showcases scientific excellence, promotes discussions on the grand challenges of our time and fosters forward-thinking event formats in science communication.

For two days the iconic Museum für Naturkunde Berlin is transformed into the main festival hub – the Berlin Science Week Campus. With more than 30 hybrid events and fun, interactive exhibitions it is the place to be for science enthusiasts of all backgrounds!

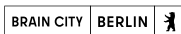
BERLIN SCIENCE WEEK CAMPUS



FALLING WALLS SCIENCE SUMMIT



Senate Department
for Higher Education and Research, Health,
Long-Term Care and Gender Equality



BE PRESENT IN THE FUTURE

WHICH ARE
THE NEXT
WALLS
TO FALL?

WELCOME BACK TO BERLIN IN NOV 2023

PLEASE CONTACT US



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