7 NOV
PITCHES

FROM 7.00 AM
REGISTRATION & ON-SITE TESTING
Radialsystem, Holzmarktstraße 33, 10243 Berlin

FALLING WALLS ENGAGE	FALLING WALLS VENTURE	FALLING WALLS LAB
Grand Hall	**Studio A**	**Lecture Hall**
SÄÄLCHEN *Ground Fl.*	**RADIALSYS.** *5. Fl.*	**RADIALSYS.** *Ground Fl.*
	9.00 AM **Welcome**	9.00 AM **Welcome**
9.30 AM **Welcome**	9.30 AM **Sustainability**	9.30 AM **Pitches 1–25**
10.00 AM **Multimedia & CoCreation**		
11.00 AM **COFFEE BREAK & BRAINDATES** *Meet & Eat. Radialsystem & Braindate Lounge*		
11.30 AM **Future Engagement in Education**	11.30 AM **Health Solutions**	11.30 AM **Pitches 26–50**
1.00 PM **LUNCH BREAK & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*		
2.00 PM **Community Responses for Health & Wellbeing**	2.00 PM **Engineering of the Future**	2.00 PM **Pitches 51–75**
4.00 PM **HAPPY HOUR & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*		
5.30 PM **JOINT AWARDS CEREMONY** *Lecture Hall. Radialsystem, Ground Fl.*		
6.00 PM **Evening Reception SPRIND & Innovation Market** *Lecture Hall & Meet & Eat Radialsystem, Ground Fl.*		

8 NOV
CIRCLE

FROM 7.00 AM
REGISTRATION AND ON-SITE TESTING
Radialsystem, Holzmarktstraße 33, 10243 Berlin

WE HERAEUS SYMPOSIUM PHYSICAL SCIENCES	CHARITÉ SYMPOSIUM LIFE SCIENCES	VOLKSWAGEN FOUNDATION SYMPOSIUM SOCIAL SCIENCES	FALLING WALLS PLENARY TABLES	FALLING WALLS ROUND TABLES	FALLING WALLS BACKGR. TABLES
Studio A	**Studio C**	**Glassfr. Tent**	**Lecture Hall**	**Ship**	**Kubus**
RADIALSYS. *5. Fl.*	**RADIALSYS.** *4. Fl.*	**RADIALSYS.** *Garden*	**RADIALSYS.** *Ground Fl.*	**RADIALSYS.** *Riverbank*	**RADIALSYS.** *2. Fl.*
8.30 AM **Welcome**	8.30 AM *Please go to Plenary Table, Radialsystem, Ground Fl.*	8.30 AM **Welcome**	8.30 AM **Welcome**		
9.00 AM **Earth's Climate, High-Intensity Laser, Transmission through Aerosols**	10.00 AM **Replicating SARS-CoV-2 Polymerase**	9.00 AM **Creativity & Originality**	9.00 AM **Medical Application**		
		10.00 AM **Methods & Resources**	10.00 AM **Green New Deal**		
11.00 AM **Quantum Processors, Quantum Computing**	11.00 AM **Information-Rich Diagnostics**	11.00 AM **Networking & Communication**	11.00 AM **Data for Health**	11.00 AM **New Batteries**	11.00 AM **Sciencepreneurship** *by invitation*
	12.00 PM **Retinal Degeneration**	12.00 PM **Fish Bowl: Innovative Research**	12.00 PM **Gender Equality**	12.00 PM **Confidence in Research**	
1.00 PM **LUNCH BREAK & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*					
2.00 PM *Pl. go to Plenary Table, Radialsystem, Ground Fl.*	2.00 PM **Treating Diabetes, Protein Analytics, Camelid Nanobodies, Symbiont-Based Transmission, Multispectral Microscopy**	2.00 PM **Workshops**	2.00 PM **Transatlantic Partnerships**	2.00 PM **Entrepreneurship Circ. Future**	2.00 PM **Trust in 5G/6G** *by invitation*
		3.00 PM **LESSONS LEARNED**	3.00 PM **Future of Work**	3.00 PM **Quantum Computing**	
3.00 PM **Stern-Gerlach Experiment, Battery Function and Failure, The 18th Particle?, Light-Emitting Silicon**		4.00 PM *Pl. go to Plenary Table, Radialsys., Ground Fl.*	4.00 PM **Hydrogen Economy**	4.00 PM **d4agrotech**	
	5.00 PM **Synthesis**	5.00 PM **Career Trajectories**	5.00 PM **NETWORKING & BRAINDATES** *Meet & Eat.*	5.00 PM **Science Engagement**	
6.00 PM **Evening Recption** *Grand Hall. Säalchen, Ground Fl.* **Evening Recption Bayer** *by invitation* **Evening Reception BMW Foundation** *by invitation*					

9 NOV
BREAKTHROUGHS

FROM 7.00 AM
REGISTRATION & ON-SITE TESTING
Radialsystem, Holzmarktstraße 33, 10243 Berlin

FALLING WALLS SCIENCE BREAKTHROUGHS OF THE YEAR
Lecture Hall
RADIALSYSTEM *Ground Fl.*
9.00 AM **Welcome**
9.30 AM **SESSION 1** **mRNA Vaccines** Türeci, **Retinal Degenration** Sahel, **Science Start-Ups**, **Medical Robots** Sitti
10.30 AM **COFFEE BREAK & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*
11.30 AM **SESSION 2** **High-Intensity Laser** Strickland, **Light-Emitting Silicon** Bakkers & Fadaly, **Science Engagement**, **Next-Generation Batteries** Grey, **Measuring Climate Change** Arndt & Rex
1.00 PM **LUNCH BREAK & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*
2.00 PM **SESSION 3** **Efficient Drug Discovery** Schneider, **AI-Powered Personalized Learning** Cowell, **Algorithm Based Society** Stark, **Praracolonial Paradigm** Menon, **Computational Expressivity in Music Performance** Widmer
3.30 PM **COFFEE BREAK & BRAINDATES** *Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden*
4.30 PM **SESSION 4** **2 Nanometer Chip** Bu, **Emerging Talents**, **Biohybrid Synapses** Santoro, **Planetary Exploration**, Hasinger
6.00 PM **SCIENCE REUNITES US** **FESTIVE EVENING** *Meet & Eat Room & Lecture Hall. Radialsystem, Ground Fl.*

Please use the QR-Code for more information about our programme.

7 NOV PITCHES

FROM 7.00 AM **REGISTRATION, ON-SITE TESTING & BREAKFAST**
Radialsystem, Holzmarktstraße 33

FALLING WALLS ENGAGE

Grand Hall

SÄÄLCHEN.
Ground Floor

9.30 AM
Welcome and Introductory Remarks

10.00 AM
SESSION 1 – Engagement on The Edge: Multimedia & Co-Creation
Participatory Water Mgmt. J. Goldin, *ZA*
Data Literacy, Video Games M. Kasumovic, *AU*
Inclusive Participation L. Keith, *UK*
Science & Film in Africa S. Kenmoe, *CM/DE*
Animal & Human Culture with Music S. Niksic, *HR*
STEAM Education, Music Videos A. Thomas, *US*

11.30 AM
SESSION 2 – Future Engagement in Education
STEM Education, Women & Girls S. Anigbogu, *NG*
Astronomy for Vuln. Communities F. Bonyadi, *IR*
Science in Rural Communities O. Contreras-Villarroel, *CL*
Children & the Scientific Community in Mexico G. de la Torre García, *MX*
STEM Education for Children & Young People in Pakistan L. Rukh Fazal-Ur-Rahman, *PK*
Science and Ethnic Minority Youth J. Moscoso, *UK*
Youth Empowerment M. Zaid, *LY*

2.00 PM
SESSION 3 – Community Responses for Health & Wellbeing
Childhood Vaccination Y. Asefa, *ET*
Mental Health Stigma J. Baariu, *KE*
Hearing Impaired K. Boateng, *GH*
Marginalized Communities and Science M. Feliú-Mójer, *US/PR*
Biomedical & the Social among Youth A. Koch, *ZA*
Science & Culture J. Phalkey, *IN*
Science & Video Games A. Szantner, *CH*

FALLING WALLS VENTURE

Studio A

RADIALSYSTEM.
5. Floor

9.00 AM **Welcome and Introductory Remarks**

9.30 AM
SESSION 1 – Sustainability
Algae's Potential Algal Bio, *JP*
Next-Generation Batteries AZUL Energy, *JP*
Upcycling CO_2 Emission Graviky Labs, *US*
Plastic Waste Poliloop, *HU*
Fuel Cell Catalysts ReCatalyst, *SI*
Sun's Cooling Force SolCold, *IL*
Unsustainable Food The Live Green Co, *CL*
Plastic Alternatives traceless materials, *DE*

11.30 AM
SESSION 2 – Health Solutions
Digital Testing in Pandemics Biomensio, *FI*
Risky Gene Therapy Carmine Therapeutics, *SG*
Replicating Human Tissue Cellbricks, *DE*
Protein Sequencing Glyphic Biotechnologies, *US*
AI Without Empathy Hume AI, *US*
Detecting Deep Vein Thrombosis ThinkSono, *UK*
Swallowing Disorders True Angle, *CA*

2.00 PM
SESSION 3 – Engineering of the Future
Global Internet Connectivity Aircision, *NL*
Quantum Errors Alice&Bob, *FR*
Smart Machine Elements core sensing, *DE*
Novel Energy Storage Hypnetic, *DE*
Microchip Manufacturing LIDROTEC, *DE*
Inefficient Organic Electronics n-Ink, *SE*
Inefficient Microdisplays Poro Technologies, *UK*
Inaccessible Quantum Computing Quantum Brilliance, *AU*
Costly Additive Manufacturing CASTOR, *IL*
Invisibility Village Data Analytics, *DE*

FALLING WALLS LAB

Lecture Hall

RADIALSYSTEM.
Ground Floor

9.00 AM **Welcome and Introductory Remarks**

9.30 AM **SESSION 1 – Pitches 1–25**
Breath Diagnostics T. Issitt, *GB*
Water Treatment for Rural Areas D. Pousty, *IL*
Stem Cell Therapies J. J. Li, *AU*
Massive Use of Pesticides J. Breinbauer, *CL*
Cerebellar Neuroscience G. Rocco, *FR*
Na-Battery Design Y. Li, *CN*
Greenhouse Gas Emissions C. Scharun, *DE*
Milk Science and Immunology S. Uchino, *JP*
Specially Abled Literacy & Education C. Naik, *IN*
Access to Safe Drinking Water A. P. L. Ngom, *SN*
Lost Items on Campus M. Chang, *KR*
Water Leakages A. Mphaphuli, *ZA*
Prostate Cancer Treatm. Resist. C. Liyanage, *AU*
Fuel Pollution A. V. Edi, *CI*
Battery Recycling A. Vanderbruggen, *DE*
Document Verification A. Taha, *DE / EG*
Plant Growth Under Drought F. Xie, *TH*
Transformation Barriers M. Badin, *SK*
Plastic Pollution C. Karera, *RW*
Radio Freq. Energy Harvesting A.C.C. Choo, *MY*
Ineffect. Cancer Therapies A. Montalban-Arques, *CH*
Gut Sampling M. Rehan, *NZ*
Hearing Loss V. Kolesnikova, *BY*
Alien Fish Invasion L. Norazmi, *AU*
Rare Earth Element Scarcity A. Mostoufi, *CA*

11.00 AM **COFFEE BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge. Radialsystem, Garden

11.30 AM **SESSION 2 – Pitches 26–50**
Plastic Pollution S. Bernard, *FR*
Bacterial Resistance M. Kokot, *SI*
Misdiagnosis in Neglected Diseases G. Khouri, *BR*
Breast Cancer B. Mafogang, *CM*
Sustainable Hydrogen from Waste F. Angikath, *SA*
Wastewater Treatment O. Boruk, *UA*
Nitrate Water Pollution S. El Sadi, *PS*
Period Poverty R. Cenzato, *IT*
Inadequate Early Childhood Educ. N. Ravel, *MG*
Undiagn. Diabet. Complic. J. Flores-G., *MX/NL*
Indoor Air Pollution O. Munkhbat, *MN*
Old School, Non-Dig. Trade Diplomacy V. Sezgin, *TR*
Global Water Shortage D. Inführ, *AT*
Manual Crypto Trading D. Abgaryan, *AM*
Chronic Blood Bag Short. A. Hounou-Adossi, *TG*
Insect Conservation C. P. Mamani Medina, *BO*
Internal Combustion Engines J. Yunusov, *IT*
Terrestrial Seismicity J. van Heijningen, *BE*
Ecospiel in Afric. Classrooms W. A. Kola-Aderoju, *NG*
Breast Cancer Detection H. B. Amir, *DE*
Cementing in Spine K.-W. Yang, *TW*
Poor Harvest in Drought Seas. T. Ambartsumov, *RU*
Darkness E. Chiyindiko, *ZA*
Sanitation to Re-Invent the Toilet K. Tjatjara, *NA*
Regenerative Timber Sourcing S. Vogler, *AT*

1.00 PM **LUNCH BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge. Radialsystem, Garden

2.00 PM **SESSION 3 – Pitches 51–75**
Tissue Donation T. Geukens, *BE*
Pest Birds Attacks on Cereal Farms B. T. Kwao, *GH*
Costly Desalination F. Al Maqbali, *OM*
Human Vision A. Bhattacharya, *FR*
Microbiome with Amalthea A. Tsapadikou, *GR*
Access to Justice R. Githinji, *KE*
Photodynamic Therapy A. Zak, *PL*
Unsustainable Agriculture M. V. Nagel, *AR*
Blood Sample Preparation Equipment M. Musa, *SD*
Nerve Reconstruction M. Vojníková, *CZ*
Space Research on Earth C. Lotz, *DE*
Unsustainable Building Technologies J. Issoop, *TR*
Medicine-Like Foods for Diabetes A. S. Khayyira, *ID*
Microfluidics Automation A. Albagdady, *JO*
Small Farmers Weak Access to AgriTech T. N. Kouyate, *ML*
Education D. Garavito, *CO*
Viral Zoonoses in Animal Farming M. Stark, *ZA*
The Nature of Gravity P. Zarrouk, *FR*
Inaccessible Period Products U. Masood, *PK*
Unaffordable Wastewater Treatm. P. Eromosele, *SA*
Puddle Water A. Makarov, *RU*
Logistics Chall. Facing the Ind. S. Ben Lkima, *TN*
Sustain. Antimicrobial Clothing J. J. Richardson, *JP*
Universal Science Communication C. Ow, *SG*
Coral Reef Protection from Space M. Kempers, *NL*

4.00 PM **HAPPY HOUR & BRAINDATES**
Meet & Eat Room. Radialsystem, Ground Fl. & Braindate Lounge. Radialsystem, Garden

5.30 PM **JOINT AWARDS CEREMONY**
Lecture Hall & Meet & Eat. Radialsystem, Ground Fl.

6.00 – 8.00 PM **EVENING RECEPTION SPRIND**
Lecture Hall and Meet & Eat Room. Radialsystem, Ground Fl.

8 NOV CIRCLE – SYMPOSIA & DEBATES

FROM 7.00 AM
REGISTRATION, ON-SITE TESTING & BREAKFAST
Radialsystem, Holzmarktstraße 33, 10243 Berlin

WE HERAEUS SYMPOSIUM PHYSICAL SCIENCES

Studio A
RADIALSYSTEM. *5. Floor*

8.30 AM
Welcome

9.00 AM **SESSION 1**
The Significance of a Polar Opposite for Understanding Earht's Climate
J. P. Klages, AWI, *DE*
From Nonlinear Optics to High-Intensity Laser
D. Strickland, Univ. Waterloo, *CA*
Understanding Covid-19 Transmission through Aerosols
Y. Cheng, MPI Chemistry, *DE*

11.00 AM **SESSION 2**
Integrated Ion-Trap Quantum Processors
C. Ospelkaus, LUH, *DE*
Progress in Quantum Computing C.-Y. Lu, USTC, *CN*
Analog Quantum Simulation: From Physics to Chemistry
J. I. Cirac, MPI Quantum Optics, *DE*
Discussion J. Stachel, Univ. Heidelberg, *DE*; K. Kohse-Höinghaus, Univ. Bielefeld, *DE*

2.00 PM
Please go to the Plenary Table at Lecture Hall. Radialsystem, Gr. Fl.

3.00 PM **SESSION 3**
Proving that the Stern-Gerlach Splitting is a Coherent Quantum Process R. Folman, BGU, *IL*
Novel Operando Methods for Following Battery Function and Failure
C. Grey, Univ. Cambridge, *UK*
The 18th Particle?
C. Polly, Fermilab, *US*
Light Emission from Hexagonal Silicon Germanium
E. Bakkers, Eindhoven TU, *NL*
Discussion & Networking
J. Stachel, Univ. Heidelberg, *DE;* K. Kohse-Höinghaus, Univ. Bielefeld, *DE*

CHARITÉ SYMPOSIUM LIFE SCIENCES

Studio C
RADIALSYSTEM. *4. Floor*

8.30 AM
Please go to the Plenary Table at Lecture Hall. Radialsystem, Gr. Fl.

10.00 AM
Replicating SARS-CoV-2 Polymerase
P. Cramer, MPI for Biophysical Chemistry, *DE*

11.00 AM
Information-Rich Diagnostics
C. Sharma, Julius-Maximllians-Univ. Würzburg, *DE*
Networking

12.00 PM
Restoring Vision for Retinal Degeneration
J.-A. Sahel, Institut de la Vision, *FR*

2.00 PM
Regenerative Approaches to Treating Diabetes
H. Lickert, Helmholtz Zentrum München, *DE*
Protein Analytics
V. Cappelletti, ETH Zurich, *CH*
Treating Covid-19 Through Camelid Nanobodies
F. I. Schmidt, Univ. Bonn, *DE*
Networking

4.00 PM **Symbiont-Based Transmission Blocking Malaria**
J. Herren, icipe, *KE*
Mapping Cancer Using Multi-spectral Microscopy J. Taube & A. Szalay, J. Hopkins Univ. & Hosp., *US*

5.00 PM
Synthesis

VOLKSWAGEN FOUNDATION SYMPOSIUM SOCIAL SCIENCES

Glassfront Tent
RADIALSYSTEM. *Garden*

8.30 AM
Welcome

9.00 AM
Creativity and Originality
S. Leonelli, Univ. Exeter, *UK*
C. Bail, Duke Univ., *US*
K. Caliskan, New School, *US*

10.00 AM
Methods, Resources and Research Formats
S. Beckert, Harvard Univ., *US*
E. Esposito, Univ. Bologna, *IT*,
D. Menon, Univ. Witwatersrand, *ZA*

11.00 AM
Networking & Communication
M. Lamont, Harvard Univ., *US*
D. Gritsenko, Univ. Helsinki, *FI*

12.00 PM
Fish Bowl: New Perspectives on Innovative Research

2.00 PM
Global Trends in Academia
Workshop A
Research in a Pandemic
Workshop B

3.00 PM
Please go to the Plenary Table at Lecture Hall. Radialsystem, Gr. Fl.

4.00 PM
Networking
Lessons Learned: Inspiration and Open Questions

5.00 PM
Networking: Innovative Research and Career Trajectories
J. Allmendinger, WZB, *DE*
D. Menon, Univ. Witwatersrand, *ZA*

FALLING WALLS PLENARY TABLES

Lecture Hall
RADIALSYSTEM. *Ground Fl.*

8.30 AM
Welcome

9.00 AM **Translating Science into Medical Application** E. Charpentier, MPI; C. Huber, Univ. Mainz; M. Leptin, ERC; O. Reif, Sartorius; U. Sahin, BioNTech; M. DiChristina, Boston Univ.
supported by Sartorius

10.00 AM
Green New Deal K. Bayazit, Elsevier; M. Ferguson, EIC; M. Heinig, SAP; A. Noske, BMBF; D. Wegener, Siemens; Ed Gerstner, Nature
supported. by Elsevier, SAP, Siemens

11.00 AM
Data for Health
E. Böttinger, HPI; J. Kehren, Bayer; J. Dachis, One Drop; M. Kalliola, Sitra; G. Ludewig, BMG; Z. Abbany, DW
supported by Bayer, HPI

12.00 PM
Promoting Gender Equality for Innovation T. König, Körber-Stiftung; M. Lessl, Bayer Foundation; S. Menne, AmCham Ger.; L. Schiebinger, Stanford Univ.; K. Bayazit, Elsevier

2.00 PM **Big Science for the Future – Rekindling Transatlantic Partnerships**
E. Isaacs, Carnegie; C. Lindberg Warakaulle, CERN; O. Leyser, UKRI; G. Schütte, Volkswagen Found.
supported by DESY

3.00 PM
The Future of Work and Urban Planning J. Allmendinger, WZB; D. Kleilein, Jovis Verlag; K. Loenhart, TU Graz; C. Murray, Core Cities Group
supported by BBAW, Leopoldina

4.00 PM
Unlocking Pathways to a Sustainable Hydrogen Economy M. Brand, Sasol; B. Rech, HZB; P. Green, AU Ambassy; P. Tanguy, Polyt. Montreal; J. Chan, Wildetype M. *supported by HZB*

5.00 PM
Networking & Braindates
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden

FALLING WALLS ROUND TABLES

Ship
RADIALSYSTEM. *Riverbank*

Please use the QR-Code for all details and updates.

11.00 AM
New Batteries for Europe's Green New Deal
C. Grey, Univ. Cambridge; T. König, Körber-Stiftung
hosted by Körber-Stiftung

12.00 PM
Confidence in Research – Scientific Credibility in a Post-Pandemic World
S. Kleinert, Lancet; M. Smallman, UCL
hosted by Elsevier & WiD

2.00 PM
Science & Entrepreneurship for a Circular Future
S. v. Holtzbrinck, HPG; A. Lamp, traceless materials; H. Aguip, BMW Found.
hosted by BMW Foundation

3.00 PM
The Future of Quantum Computing
O. Ambacher, IAF; R. Blatt, Univ. Innsbruck; P. Schmidt, PTB; C. Silberhorn, Univ. Paderborn; F. Wilhelm-Mauch, FZ Jülich *hosted by FZ-Jülich*

4.00 PM **d4agrotech** P. Aspermaier, AIT; J. Danninger, Gov. Lower Austria; B. Diehl, SPRIND; O. Doblhoff-Dier, Univ.Vienna; A. Sessitsch, AIT; S. Vogler, BeetleForTech; K. Wolter, FU Berlin; K. Koren, Prov. Lower AT *hosted by AIT*

5.00 PM
Shaping the Future of Science Engagem.
N. Perkins, ISC; W. Roessig, FW Found; T. Stengele, RBS; R. A. Tapia, CTCI; M. Smallman, UCL
hosted by FW & Robert Bosch Found.

FALLING WALLS BACKGR. TABLES

Kubus
RADIALSYS. *2. Fl.*

11.00 AM
Sciencepreneurship: Eine Agenda für die nächste Bundesregierung
by invitation

2.00 PM
Trust in 5G/6G
by invitation

1.00 PM **LUNCH BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden

6.00 PM
EVENING RECEPTION *Grand Hall. Säälchen, Ground Fl.*
EVENING RECEPTION BAYER *by invitation*
EVENING RECEPTION BMW FOUNDATION *by invitation*

9 NOV BREAKTHROUGHS

FROM 7.00 AM
REGISTRATION & ON-SITE TESTING
Radialsystem, Holzmarktstraße 33, 10243 Berlin

FALLING WALLS SCIENCE BREAKTHROUGHS OF THE YEAR

Lecture Hall
RADIALSYSTEM. *Ground Floor*

Please use the QR-Code for all details and updates.

9.00 AM
Welcome Anja Karliczek, Federal Minister for Education and Research, *DE*

9.30 AM **SESSION 1**
LIFE SCIENCES mRNA Vaccines Ö. Türeci, BioNTech, *DE*
LIFE SCIENCES 2021 Restoring Vision for Retinal Degeneration J.-A. Sahel, Institut de la Vision, *FR*
SCIENCE START-UPS 2021 Falling Walls Venture
ENGINEERING & TECHNOLOGY 2020 Wireless Medical Robots inside our Body M. Sitti, MPI-IS, *DE*

10.30 AM **COFFEE BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge. *Radialsystem, Garden*

11.30 AM **SESSION 2**
PHYSICAL SCIENCES High-intensity Laser Radiation D. Strickland, University Waterloo, *CA*
PHYSICAL SCIENCES 2021 Light-Emitting Silicon E. Bakkers & E. Fadaly, Eindhoven University, *NL*
SCIENCE ENGAGEMENT 2021 Falling Walls Engage
PHYSICAL SCIENCES Next-Generation Batteries C. Grey, Cambridge University, *UK*
PHYSICAL SCIENCES Measuring Climate Change S. Arndt & M. Rex, Alfred-Wegener-Institut, *DE*

1.00 PM **LUNCH BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden

2.00 PM **SESSION 3**
SOCIAL SCIENCES & HUMANITIES Universal Dignity M. Lamont, Harvard University, *US*
SCIENCE & INNOV. MANAGEM. 2021 Slow and Inefficient Drug Discovery G. Schneider, ETH Zurich, *CH*
FUTURE LEARNING 2021 AI-powered Personalised Learning for All G. Cowell, Rising Acad. Netw., *UK*
ART & SCIENCE 2021 Algorithm-Based Society D. Stark, Columbia University, *US*
SOCIAL SCIENCES & HUMANITIES 2021 A Paracolonial Paradigm D. Menon, Univ. of Witwatersrand, *ZA*
ART & SCIENCE 2021 Computational Expressivity in Music G. Widmer, Johannes Kepler Univ. Linz, *AT*

3.30 PM **COFFEE BREAK & BRAINDATES**
Meet & Eat. Radialsystem, Ground Fl. & Braindate Lounge, Garden

4.30 PM **SESSION 4**
ENGINEERING & TECHNOLOGY A 2 Nanometer Chip Generation H. Bu, IBM Research, *US*
EMERGING TALENTS 2021 Falling Walls Lab
ENGINEERING & TECHNOLOGY 2021 Biohybrid Synapses F. Santoro, Istituto Italiano di Tecnologia, *IT*
PHYSICAL SCIENCES Planetary Exploration G. Hasinger, European Space Agency, *ES*
Closing Remarks J. Mlynek, Chairman of the Board; I. Rajamani, Managing Director; S. Turner, Founder, Falling Walls Foundation, *DE*

6.00 PM **SCIENCE REUNITES US**
FESTIVE EVENING
Meet & Eat & Lecture Hall. Radialsystem, Ground Fl.



Meet the Falling Walls Science Breakthroughs & many more fascinating people.

FALLING WALLS BREAKTHROUGH CONVERSATIONS

Outstanding scientists, emerging innovators and science entrepreneurs will reunite during the Falling Walls Science Summit from 7–9 November. Surely, not everyone who would like to participate can attend in person – though, the pandemic has taught us to put more emphasis on dialogue with society. We therefore have designed an additional online programme for digital participants on 8 and 9 November, which allows to talk to high-level speakers in an exclusive and safe space: Falling Walls Breakthrough Conversations.

For Premium Interactive ticket holders, we offer an exclusive livestream with the opportunity to attend interviews with breakthrough thinkers, and to engage in discussions with them online. Falling Walls Breakthrough Conversations provide an intense personal atmosphere, in which high level guests, speakers and panelists will focus on their individual research, career paths and experiences. Falling Walls Breakthrough Conversations take place parallelly to the main programme of the Science Summit. They will be recorded and made available to a broader public after the Science Summit. Falling Walls Breakthrough Conversations are supported by Klaus Tschira Stiftung.

Learn more about Falling Walls Breakthrough Conversations and how to purchase a Premium Interactive Ticket for digital use by scanning the QR code.