

FALLING WALLS LAB HEIDELBERG

23 June 2022
Heidelberg University
Marsilius-Kolleg
Im Neuenheimer Feld 130.1

HOSTED BY

Wissensfabrik 
Mehr Wissen. Mehr Können. Mehr Zukunft.



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

SUPPORTED BY


Karlsruher Institut für Technologie

HEiKA
Heidelberg Karlsruhe
Strategic Partnership

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

17:00 pm	Welcome and introductory remarks
17:15 pm	Pitches (1-9)
18:30 pm	Networking break / Jury session
19:00 pm	Awards ceremony
19:15 pm	Networking

You can vote for your favorite pitch to get an Audience Award after 18:30

JURY

Christian Greger, Jury Chair

Head of the legal department
TRUMPF SE + Co. KG

Christian is head of the legal department at TRUMPF, a leading manufacturer of machine tools and lasers. He started his career in an international law firm but decided to join his favorite client, TRUMPF, many years ago. Via TRUMPF he became a member of the board at Wissensfabrik and enjoys every minute of it.

Prof. Dr. rer. nat. Markus Alber

Co-Founder ScientificRT
Director of research in medical physics at the Department of Radiation
Oncology and the Heidelberg Ion-Beam Therapy Center
Ruprecht Karl University of Heidelberg

A Theoretical Physicist at heart, he drifted into Medical Physics and finally software development for Radiation Oncology. His first clinical product optimizes the treatments of millions of patients per year. The second product is about to revolutionize treatment quality assurance. The Theoretical Physicist in him tries his hand at modelling radiobiology.

Thomas Brodbeck

Founder and CEO
tob impulsakademie

Thomas Brodbeck is founder and CEO of tob impulsakademie - a europeanwide start-up consulting and training company. He has over 25 years experience in management positions in large corporations as well as medium-sized companies.

Over the last 10 years he is successfully running his own companies, consulting start-ups and entrepreneurs as well as carrying out trainings in the fields of professional customer communication and negotiation skills.

Thomas has founded over 8 own companies in his business career, the last one 2 weeks ago.

Mathias Haase

Chairman of the board
Wissensfabrik e.V.

Mathias is the chairman of the board of Wissensfabrik – a non-profit organization supporting both start-ups and STEM education in Germany. Before joining Wissensfabrik in May this year, he has spent 14 years with BASF – the world's leading chemical company – in Ludwigshafen, Shanghai, and Singapore. After positions in government relations, sales, and marketing, he most recently oversaw BASF's procurement for basic chemicals.

Martina Klug

CHRO
EnBW Perspektiven GmbH

Martina Klug studied Business Administration at the University of Regensburg in Germany and the University of Gothenburg in Sweden. After working for a bank in London she joined EnBW Energie Baden-Württemberg AG in Karlsruhe and developed a career in human resources.

Today she is Chief Human Resources Officer of EnBW Perspektiven GmbH and is responsible for coaching and developing employees seeking new perspectives in their professional life.

She is passionate about nurturing talent and promoting especially young people to shape and build their own career.

Prof. Dr. rer. nat. Ute Sophia Schepers

Co-Founder vasQlab
Group leader at the Institute of Toxicology and Genetics
KIT – The Karlsruhe Institute of Technology

Ute is a dedicated professor and group leader at KIT since over 10 years with the focus on bioprocess engineering and biosystems, and chemical biology.

She co-founded vasQlab to revolutionize tissue engineering for animal-free drug testing. With the artificial organ sheets, they achieve more precision and accuracy than drug testing on animals.

PRESENTERS

1 Ryan Alicea

Powered Orthotics

Breaking the Wall of Lifelong Disability

We have developed a wearable aid to restore hand function to these people. Using a light, powered glove we open and close the fingers to allow these people to interact with their world once again.

2 Alexya Azhakesan

Medical Faculty of Mannheim

Breaking the Wall of Animal-free Cancer Models

There is an immediate need to develop a platform recapitulating the tumor and its microenvironment, meanwhile, without compromising the chemical and biochemical cues seen in the native tumor niche.

3 Marlene Böhm

SAP SE

Breaking the Wall of our World's Information Flooding

Building the leading platform for storing, sharing and creating knowledge in a smart way. It allows us AI-based connecting, sorting and sharing of information. This leads to more rational decisions.

4 Dr. Céline Calvino

University of Freiburg

Breaking the Wall of Plastic Circular Economy With Light

This research proposes an alternative to the current linear economy model of non-recyclable commodity plastics via the preparation of a new class of adaptive materials that can be recycled through photo-stimulation.

5 Lilith Diringer

Technical University of Dresden
Breaking the Wall of Sustainable Travel

ChargeHolidays is an App, shaping the tourism flows of the future in a sustainable way by using a sustainability management assessment matrix to transparently allow customers to make informed decision.

6 Florian Klein

Technical University of Munich
Breaking the Wall of Oncolytic Adenoviruses' Limitations

The discovery and clinical translation of Immune Checkpoint Inhibition (ICI, Nobel Prize 2018) has been a game changer for cancer therapy. However, low response rates often limit its clinical benefit.

7 Athoy Nilima

Max Planck Institute for Physics
Breaking the Wall of Reluctance for Ambitious Science

An innovative and free online series for young enthusiastic people from developing countries: to spread proper mentoring, encouragement, and positive insights for ambitious science among them.

8 Dr. Katrin Schmelz

Konstanz University and Santa Fe Institute
Breaking the Wall of Resistance to Climate Policies

Drawing on psychology, economics and my COVID research, I study citizen responses to climate policies for better design of measures, building public trust and responsibility to increase compliance.

9 Camila Suliani Raota

KIT – The Karlsruhe Institute of Technology
Breaking the Wall of Purifying Water Using Sunlight

Microfiltration membranes coated with photosensitizers degrade steroid hormones by harvesting energy from solar light. The process produces water according to the safety recommendations of WHO.

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FEEDBACK

What was your overall impression of Falling Walls Lab Heidelberg?

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

Feel free to contact us and share your feedback:

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