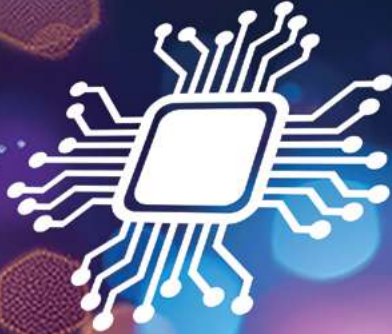


:: csem



4th **Next-gen
organ-on-chips
& organoids**

Exhibition & sponsorship opportunities

Haus der Wirtschaft • Pratteln, Basel
13-14 Feb, 2025

Welcome to the Haus der Wirtschaft !



Dear participants,

We are excited to welcome you to the 3rd edition of the Next Gen Organ-on-Chip & Organoids Workshop. Taking place this year in another biotech hot spot of Switzerland – Zürich, we have concentrated all the learnings from the last year to offer you an even more exciting program in 2023!

Since last year, important milestones have been achieved. First and foremost, new medicines need not be tested in animals to receive U.S. Food and Drug Administration (FDA) approval, according to legislation signed by President Joe Biden in late December 2022. This new legislation opens new avenues and accelerates the adoption of 3D cell culture models throughout the drug development process. This potential has been clearly recognized by all large pharma companies. Among them, our Diamond Sponsor Roche took a leading role through the creation of the new Institute of Human Biology dedicated to research in organoids, human model systems and translational bioengineering.

The bioconvergence revolution is here! By combining digital and material science with biotechnology, this exciting field allows humanity to unlock the full potential of data & digital for a better future of healthcare. The Next Gen Organ-on-Chip & Organoids aims at being the place with the thought leaders, innovators and suppliers from various disciplines meet to imagine the future, network, create new business relationships and finally accelerate the translation of emerging technologies into industrial applications.

We would like to thank our Scientific Committee to have put together such a rich program. Take advantage of the break to visit the exhibition spaces and learn more about the latest innovations. We look forward to fruitful and inspiring exchanges in the next two days!

Sincerely yours,

CSEM Organization Team

Scientific Committee

- Adrian Roth, Roche
- Erika Györvary, CSEM
- Olivier Frey, InSphero
- Samantha Paoletti, CSEM
- Massimo Mastrangeli, Technical University Delft
- Gilles Weder, CSEM
- Kasper Renggli, Philipp Morris International
- Vincent Revol, CSEM
- Rhiannon David, Astra Zeneca

Diamond sponsor



Institute of
Human Biology

Gold sponsors



Government of
the Netherlands



Exhibitors



Start-ups



Scientific program day 1

Thursday february 13, 2025

09:30 **Registration & coffee**

10:00 **Start of the event**

Bioconvergence to transform the future

Gilles Weder, Head R&BD Life Science Technologies, CSEM

Unveiling the Secrets of Life by empowering technology

Vincent Revol, VP MedTech, CSEM

10:15 **KEYNOTE SPEAKER**

Bringing Immune Engineering for Children to Global Health

Stephen Wilson, Botnar Institute of Immune Engineering

10:35 **KEYNOTE SPEAKER**

Uniting Clinical Expertise for Breakthrough Innovations

Kasendra Magdalena, Director of Research and Development, Center for Stem Cells and Organoid Medicine (CuSTOM), Cincinnati Children's Hospital Medical Center

10:55 **KEYNOTE SPEAKER**

Cerebral organoids: Moelling human brain development and disease in stem-cell derived 3D culture

Jürgen Knoblich, Deputy Scientific Director, Institute of Molecular Biotechnology of the Austrian Academy of Sciences

ORGANOID ENGINEERING SESSION SPONSORED BY INSPHERO

11:25 **Session opening**

Felix Kurt, Group Leader Biosystems Engineering, CSEM

11:30 **AirLiwell: an Air-Liquid interface technology for reproducible, scalable, & standardized spheroid & organoid models**

Sanae El Harane, Harantech

11:40 **TBC**

Sylke Hoehnel, Doppl

11:50 **TBC**

Burcak Yesildag, Insphero

12:00 **TBC**

Raphael Roettgen, Prometheus

12:10 **Exhibition opening**

Stéphanie Boder-Pasche, Group Leader Cell Microtechnologies, CSEM

12:25 **Community picture**

12:30 **Lunch & exhibition**

ORGANOID HANDLING SESSION SPONSORED BY 3BRAIN

13:45 **Session opening**

Tom Valentin, Group Leader Automated Sample Handling, CSEM

13:50 Lucia Bruzzone / Epifania Bono, TECAN / ZHAW

Lucie Jandet & Jonas Goldowski, Visienco

Christopher Jacklin, Lucero Bio

Raphael Roettgen, Prometheus

Schweizerische Akademie der Technischen Wissenschaften SATW

Die SATW ist das bedeutendste Netzwerk von Expert:innen für Technikwissenschaften in der Schweiz und informiert Politik, Gesellschaft und Industrie über relevante technologische Entwicklungen. Sie fördert auch das Technikinteresse und -verständnis bei Jugendlichen und ist politisch unabhängig und nicht kommerziell. Als verlässliche Informationsquelle für Entscheidungsträger:innen und die Öffentlichkeit ist die SATW einzigartig.



We are pleased to announce our new strategic collaboration between Health~Holland, the Netherlands Enterprise Agency (RVO), the Netherlands Embassy in Switzerland, and the life sciences & health industry. Together, we are developing a strategic internationalization roadmap to strengthen the collaboration between the Netherlands and Switzerland and jointly become leaders in the field of Organ-on-Chip.

Curious to learn more about the vibrant Life Sciences ecosystem in the Netherlands or our upcoming activities? Visit our booth or join us during the Apéro. We look forward to meeting you, exploring new collaborations, and further strengthening the ties between our countries.



Scientific program day 1

MPS SESSION SPONSORED BY NETHERLANDS EMBASSY

- 14:20 **Session opening**
Massimo Mastrangeli
-
- 14:25 **TBC**
Kyu Baek, Qureator
-
- 14:35 **Integrating immunological competence into a multi-organ MPS platform**
Ilka Maschmeyer, Tissuse
-
- 14:45 **TBC**
Pierre Gaudriault, Cherry
-
- 14:55 **TBC**
Marieke Aarts, Biond
-
- 15:05 **TBC**
Gian Nutal Schädli, Compagos
-
- 15:15 **TBC**
Roberts Rimsa, Cellbox Labs
-
- 15:25 **A Microphysiological System For Chronic Cardiotoxicity Assessment: Insights from HESI Working Groups**
Bettina Lickiss, Innovitro
-
- 15:35 **TBC**
Tessa de Korte, Sync Biosystems
-
- 15:45 **TBC**
Claudia Gaertner, Microfluidics ChipShop

15:55 **Coffee break & exhibition**

FIRE CHAT WOMEN HEALTH

- 16:25 **Session opening**
Erika Györvary, Lead of EU Affairs, CSEM
- 16:35 **Women health**
Samantha Paoletti with Antonella Amd

SCIENCE SLAM SPONSORED BY ROCHE INSTITUTE OF HUMAN BIOLOGY

- 16:50 **Science Slam Opening**
Gilles Weder
-
- 17:00 **PhD students pitches**
ETHZ, EPFL, UNIBE, HESGE, FHNW, UU
-
- 17:30 **Award ceremony**
-
- 17:40 **Apero riche co-sponsored by Netherlands Embassy & exhibition**
-
- 19:00 **End of first day**

Scientific program day 2

Friday february 14, 2025

08:30 **Registration & coffee**

09:00 **Welcome**

Michael Altorfer, Swiss Biotech

ORGANOID MATURATION & ANALYSIS SESSION SPONSORED BY MICROFLUIDICS CHIPSHOP

09:15 **Session opening**

Olivier Guenat

09:20 **TBC**

Lisa Morisseau, Cellaven

09:30 **TBC**

Charlotte Fonta, CSEM

09:40 **Transforming Advanced Breast Cancer Care with Personalized Functional Ex Vivo Drug Screening"**

Mohamed Bentires-Alj, Unibasel

09:50 **TBC**

Ellen Fritsche, Scaht

10:00 **TBC**

Jannis Meents, Head of Advanced Technologies, Harvard Bioscience & Multi Channel Systems

10:10 **Advancements in Tissue Chips & Organoid Systems for Space Research: The European Space Agency's Strategies for LEO and Beyond**

Ian Johnson, ESA

10:20 **TBC**

Fabrice Navarro, Leti

10:30 **TBC**

Andy Tonazzi, Konplan

10:40 **Phenotypic disease modeling for immune oncology**

Henriëtte Lanz, Mimetas

10:50 **Coffee break & exhibition**

AI SESSION SPONSORED BY NOVARTIS

11:20 **Session opening**

Carine Poussin, CSEM

11:25 **TBC**

TBC

11:35 **TBC**

Murat Cirit, Javelin Biotech

FIRE CHAT HUMAN BIOLOGY

11:45 **Opening**

Samantha Paoletti with Adrien Roth, CSEM

Scientific program day 2

12:00 Lunch & exhibition

PHARMA SESSION SESSION SPONSORED BY KONPLAN

13:15 **Session opening**
Alain Hirschy, CSEM

13:20 **TBC**
Sylvain Lengacher, Gliapharm

13:30 **TBC**
Lauriane Cabon, Roche

13:40 **TBC**
Kelly Evans, Senior Scientist, Astrazeneca

13:50 **Disruption of serotonin homeostasis in intestinal organoids provides insights into drug-induced gastrointestinal toxicity**
Katie Kubek, Novartis

13:55 **Keynote session opening**
Madhu Nag, CSEM

14:00 **KEYNOTE SPEAKER**

Patient derived organoids as decision-making tool in precision oncology

Fanny Jaulin

14:35 **Closing**

14:45 **End of the event**

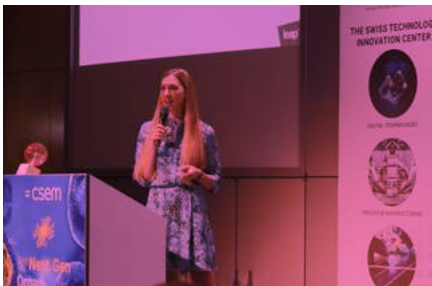
Venue

This event will take place on February 13-14, 2025, at the Haus der Wirtschaft, Hardstrasse 1, 4133 Pratteln ([access map](#))

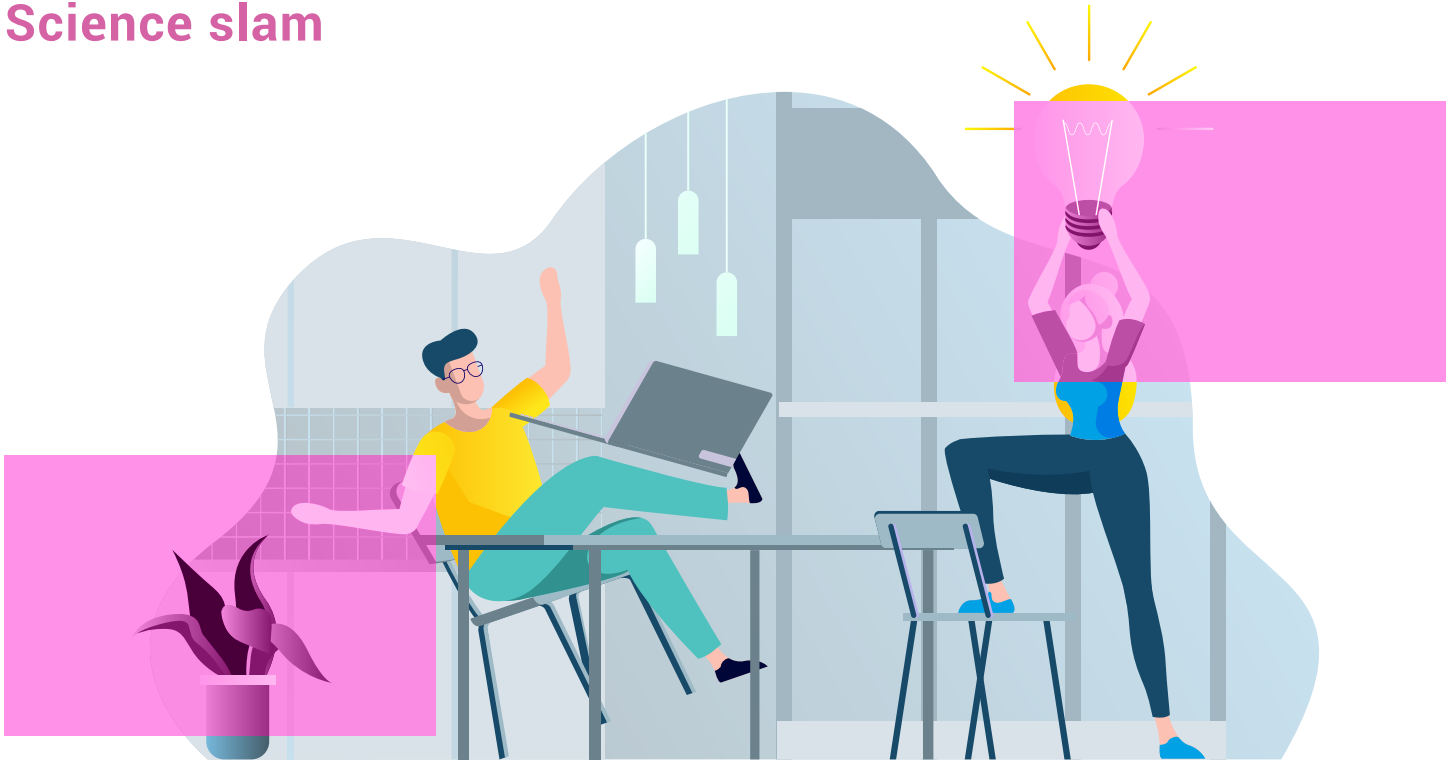
www.csem.ch/events



Memorable moments from 2023



Science slam



What is a Science Slam?

Imagine a stage where 8-10 PhD students captivate the audience with their research, presented in a short and entertaining way. This is your chance to learn about the latest breakthroughs across various domains in a fun and informative atmosphere, all while supporting young researchers.

- At the end of the Science Slam, the audience will vote to crown the Science Slam Winner!
- The winner will be invited as a speaker at the next edition.

As a Diamond sponsor, you have a unique opportunity to show your support for young researchers and gain visibility in front of the entire audience during your introductory pitch.

