



# SWISS SOCIETY FOR MICROBIOLOGY



## **Annual congress 2018**

CHUV – Lausanne

**August 28-30, 2018**

**Tuesday, August 28, 2018**

SSM\_SCNAT Sponsored Satellite Symposia

sc|nat<sup>▪</sup>

Swiss Academy of Sciences  
Akademie der Naturwissenschaften  
Accademia di scienze naturali  
Académie des sciences naturelles

**2018 SSM annual meeting will take place in Lausanne from Tuesday 28th till Thursday 30th of August.**

Attend lectures by experts in:

- clinical microbiology
- clinical bioinformatics
- antibiotic resistance
- cell microbiology
- prokaryotic biology
- environmental microbiology
- virology
- mycology
- parasites
- evolution
- lay communication



**program**

## Congress organization

**Prof. Gilbert Greub, Institut de Microbiologie, Lausanne**

President SSM-SGM 2016-2018

**Prof. Stefan Kunz, Institut de Microbiologie, Lausanne**

Co-president of the Scientific Committee

**Sébastien Aeby, Institut de Microbiologie, Lausanne**

Organizing committee

## Scientific committee

**Prokaryotic Biology**

Mélanie Blokesch + Patrick Viollier

**Environmental Microbiology**

Pilar Junier + Jan Van der Meer

**Mycology**

Alix Coste + Sophie Martin

**Virology**

Stefan Kunz + Volker Thiel

**Clinical Microbiology**

Jacques Schrenzel + Gilbert Greub

**Lay communication**

Karl Perron + Gilbert Greub

Dear Colleagues,

The Swiss Society for Microbiology will organize its annual meeting in Lausanne from 28th to 30th August 2018. During 3 days, you will enjoy interesting invited lectures given by experts in the field on a variety of topics related to microbiology, including clinical microbiology, clinical bioinformatics, antibiotic resistance, cell microbiology, prokaryotic biology, environmental microbiology, virology, mycology, parasites, evolution and lay communication.

In addition, specific LS2 NRP72 and 3R sessions have been organized... Thus, whatever your field and your background, for sure you will find the science you are looking for in Lausanne during these 3 days.

Moreover, you will have the opportunity to visit the olympic museum before the gala dinner that will take place there with a beautiful lake view.

I hope to see all of you at the 2018 SSM Opening session.



Prof. Gilbert Greub  
President of the Swiss Society for Microbiology

## Venue

University Hospital of Lausanne, CHUV – Auditoires  
Rue du Bugnon 46, CH-1011 Lausanne

## Registration

online on [www.meeting-com.ch](http://www.meeting-com.ch) / Conferences & Meetings / 2018  
or to the Congress Office Management as below

## Congress office management

Meeting.com Sàrl Congress Organisation  
Rue des Pâquis 1 • PO box 100  
CH-1033 Cheseaux-sur-Lausanne  
T +41 (0)21 312 92 61 • F +41 (0)21 312 92 63  
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## Submissions of abstracts

online on [www.ssm2018.exordo.com](http://www.ssm2018.exordo.com)  
handled by the Congress Office Management. All information or requirements  
on the above-mentioned address

## Contest “Engage your Audience!”

The contest “Engage your Audience!” allows young researchers to present their research in front of their peers, using a simple and plain register. To do so, they will have only three minutes available! In order to participate to the contest applicants should be pursuing their research as PhD student



BD is one of the largest global medical technology companies in the world and is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. The company supports the heroes on the frontlines of health care by developing innovative technology, services and solutions that help advance both clinical therapy for patients and clinical process for health care providers. BD and its 65 000 employees have a passion and commitment to help improve patient outcomes, improve the safety and efficiency of clinicians' care delivery process, enable laboratory scientists to better diagnose disease and advance researchers' capabilities to develop the next generation of diagnostics and therapeutics. BD has a presence in virtually every country and partners with organizations around the world to address some of the most challenging global health issues. By working in close collaboration with customers, BD can help enhance outcomes, lower costs, increase efficiencies, improve safety and expand access to health care. In 2017, BD welcomed C. R. Bard and its products into the BD family. For more information on BD, please visit [bd.com](http://bd.com).

## Tuesday, August 28, 2018

### SSM\_SCNAT Sponsored Satellite Symposia



**10.00-11.30**

- Room I** CM 1 – Clinical metagenomics  
Jacques Schrenzel, Geneva (CH)
- Room II** EM 1 – Water safety – Tamar Kohn, Lausanne (CH)
- Room III** PB 1 – Cell microbiology – Marc Bramkamp, Munich (DE)
- Room IV** MY 1 – Clinical mycology – Anne Puel, Paris (FR)
- Room V** VI 1 – Virus-host interaction – Daniel Pinschewer, Basel (CH)

**11.45-12.45**

### Exclusive Symposium on automation



Lab Automation: Project and change management  
Antony Croxatto, PhD, FAMH specialist in medical microbiology, CHUV Lausanne (CH)  
New trends in laboratory automation  
John T Page, Sr Director, Lab Automation & Software Engineering BD US

**13.00-14.30**

- Room I** CM 2 – Image analysis in modern clinical microbiology  
Raphaël Marcelpoil, Grenoble (F)
- Room II** EM 2 – Metagenomics – Rizlan Bernier-Latmani, Lausanne (CH)
- Room III** PB 2 – Chromosome architecture in prokaryotes  
Stephan Gruber, Lausanne (CH)
- Room IV** MY 2 – Environmental mycology  
Katja Gindro - Sylvain Schnee, Nyon (CH)
- Room V** VI 2 – Emerging viruses – Sylvain Baize, Lyon (FR)

**14.30-15.00**

### Coffee break

**15.00-16.30**

- Room I** CM 3 – Molecular diagnosis  
Adriaan Van Brule, Den Bosch (NL)
- Room II** EM 3 – Ecology & evolution – Daniel Croll, Neuchâtel (CH)
- Room III** PB 3 – Bacterial pathogenesis – Patrick Linder, Geneva (CH)
- Room IV** MY 3 – Basic mycology – Markus Künzler, Zurich (CH)
- Room V** VI 3 – Viral tropism and virulence  
Caroline Tapparel-Vu, Geneva (CH)

- CM Clinical Microbiology  
EM Environmental Microbiology  
PB Prokaryotic Microbiology  
MY Mycology  
VI Virology

# Program

Tuesday, August 28, 2018

SSM Opening Sessions

**17.00-18.00 General assembly**

**18.00-19.00 Contest “Engage your Audience!”**

The contest “Engage your Audience!” allows young researchers to present their research in front of their peers, using a simple and plain register. To do so, they will have only three minutes available! In order to participate to the contest applicants should be pursuing their research as PhD student

**19.00-19.30 Aperitif, Lausanne**

# Program

Wednesday, August 29, 2018

**09.00-09.30**

**Keynote 1** Plant Microbiome – Julia Vorholt, Zurich (CH)

**09.30-10.00**

**Keynote 2** Mycobacteria – Abigail Bouwman, Zurich (CH)

**10.00-10.30**

**Coffee break**

**10.30-12.00**

**Session 1** Microfluidics and microbiology – Claire Stanley, Lausanne (CH)

**Session 2** Innate immunity, Pathogen detection and signaling

Artur Summerfield, Bern (CH)

**Session 3**

Phages – Yves Mattenberger, Geneva (CH)

**Session 4**

Microbial pathogenesis – Christoph Dehio, Basel (CH)

**Session 5**

Vector-borne diseases – Alexander Mathis, Zürich (CH)

**12.00-14.00**

**Lunch break & Posters SSM**

**12.45-13.45**

**Exclusive Symposium: MALDI-TOF**

**14.00-15.30**

**Session 6** Mass spectrometry – Jean-Luc Wolfender, Geneva (CH)

**Session 7**

Innate immunity, Interferon response

Peter Staehli, Freiburg (DE)

**Session 8**

Novel microbes, Giant viruses

Matthias Fischer, Heidelberg (DE)

**Session 9**

Host pathogen interaction, Invasion – Silke Sterz, Zurich (CH)

**Session 10**

Bacterial genomics – Carmen Buchreiser, Paris (FR)

**Session NRP72**

Combating Antibiotic Resistance

Jörn Piel, Zurich (CH)

Co-chair: Julia Vorholt - Christoph Dehio, Basel (CH)

**15.30-16.00**

**Coffee break**

**16.00-17.30**

**Session 11** Nanosensors – Giovanni Dietler, Lausanne (CH)

**Session 12**

Lay communication: Importance of communication

Victor Cid, Madrid (ES)

**Session 13**

Microbial evolution – Steven Ball, Lille (FR)

**Session 14**

Bacterial toxins – Daniel Lopez, Madrid (ES)

**Session 15**

Viral hepatitis – Markus Heim, Basel (CH)

**Session NRP72**

Combating Antibiotic Resistance

Sebastian Hiller Odermatt, Basel (CH)

Co-chair: Julia Vorholt - Christoph Dehio, Basel (CH)

**18.00-night**

**Olympic Museum: visit – apero – gala dinner**

# Program

Thursday, August 30, 2018

**09.00-09.30**

**Keynote 3**

Metagenomics : intestinal microbiota  
High-throughput sequencing meets cultivation for novel insights  
into mammalian gut bacteria – Thomas Clavel, Freising (DE)

**09.30-10.00**

**Keynote 4**

Antibiotic resistance in the environment  
Pilar Junier, Neuchâtel (CH)

**10.00-10.30**

**Coffee break**

**10.30-12.00**

**Session 16**

Microbial pathology  
Maja Ruetten, Tagelswangen (CH)

**Session 17**

Adaptive immunity – Salomé Leibundgut, Zurich (CH)

**Session 18**

Cell surface structures in prokaryotes  
Sonja-Verena Albers, Freiburg (DE)

**Session 19**

Cell microbiology : insight in the biology of toxoplasma  
Dominique Soldati-Favre, Genève (CH)

**Session 20**

Zoonotic pathogen : Tick Borne Encephalitis  
Stephen Leib, Bern (CH)

**12.00-14.00**

**Lunch break & Posters SSM**

**12.45-13.45**

**Exclusive Symposium:**

**AsT – Bacteriology in routine – Camera  
and image analysis of Automatization**  
Theo Liebrechts - Oliver Nolte - Giovanni Turra



**14.00-15.30**

**Session 21**

Metagenomics – Laurence Genton, Geneva (CH)

**Session 22**

Autophagy (LS2 session) – Thierry Soldati, Geneva (CH)

**Session 23**

Innovative non mammalian models (3R session)  
Lloyd Vaughan, Zurich (CH)

**Session 24**

Cell microbiology : Formation of a pathogen vacuole accord-  
ing to Legionella – Hubert Hilbi, Zurich (CH)

**Session 25**

Parasites – Fabienne Tacchini-Cottier, Lausanne (CH)

**15.30-16.00**

**Coffee break**

**16.00-16.30**

**SSM Poster Awards and  
“SSM career encouragement award”**

**16.30-17.00**

**Keynote 5**

Leishmania – Nicolas Fasel, Lausanne (CH)

**17.00**

**End of meeting**

# Sponsors

Kind thanks to our sponsors



## SSM – Annual congress 2018

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[info@meeting-com.ch](mailto:info@meeting-com.ch)



### Online registration on

[www.meeting-com.ch](http://www.meeting-com.ch)/Conferences & Meetings

Title  Prof  Dr  Mr  Mrs  Ms

Institution \_\_\_\_\_

First name \_\_\_\_\_

Family name \_\_\_\_\_

Address \_\_\_\_\_

Postal code/City/Country \_\_\_\_\_

E-mail \_\_\_\_\_

### Registration fee

MEMBER\*  
 NON-Member  
 PhD Student\*\*

### Early fee

(before June 17, 2018)

CHF 270.00  
 CHF 300.00  
 CHF 180.00

### Late fee & onsite

(as of June 18, 2018)

CHF 390.00  
 CHF 420.00  
 CHF 200.00

**Gala Dinner on Wed August 29, 2018**  CHF 120.00 (limited places)

### Please, indicate the session-s of the pre-symposia (28.08.2018) you would like to attend to

Clinical Microbiology (CM)  Environmental Microbiology (EM)  
 Prokaryotic Biology (PB)  Mycology (MY)  Virology (VI)

### Please, indicate if you would like to attend to

National Research Program NRP72  on Wed, August 29, 2018

**Daily participation at 50% of the indicated rate. Please contact the congress management.**

\* In order to benefit from the Member fee, the annual membership 2018 has to be duly paid to the SSM.

\*\* In order to benefit from the reduced fee, PhD students are required to send a document confirming their status to the Congress Management by fax or scanned within 7 days from the date of registration.