



SGM·SSM

SAVE THE DATE

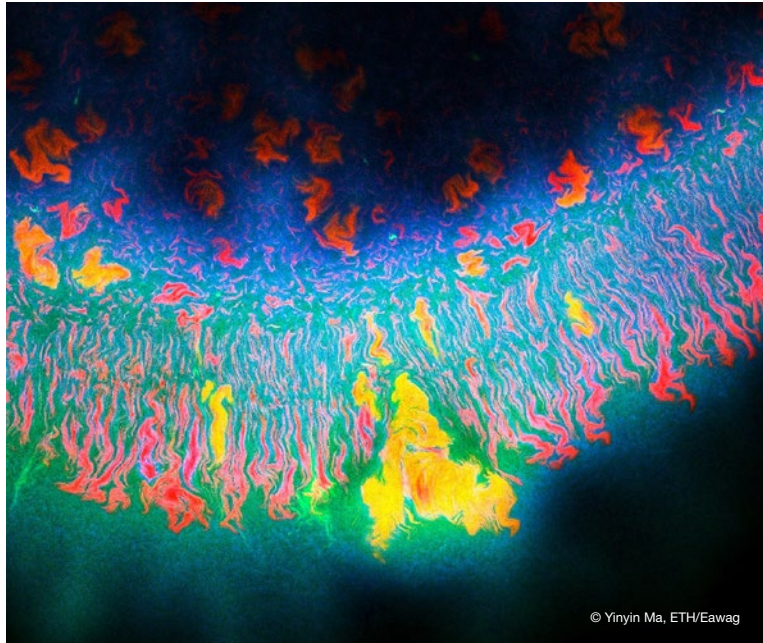
Swiss Society for Microbiology SSM

ANNUAL CONGRESS 2021

September 2-3, 2021

Full virtual event

Preliminary program



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Online registration on www.meeting-com.ch/
Conferences & Meetings

Venue

full virtual event. A link will be sent to the participants in due time.

Registration

online on www.meeting-com.ch/Conferences & Meetings

Congress office management

Meeting.com Sàrl Congress Organisation
Rue des Pâquis 1 • PO box 100
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info@meeting-com.ch



Submission of abstracts

online on www.ssm2021.exordo.com
handled by the Congress Office Management. All information or requirements at the above-mentioned address

Registration fee

Early fee

(before July 18, 2021)

Late fee & onsite

(as of July 19, 2021))

Member*	CHF 150.00	CHF 270.00
Non-Member	CHF 180.00	CHF 300.00
PhD Student**	CHF 60.00	CHF 80.00

* In order to benefit from the Member fee, the annual membership 2021 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.

Included in registration fee

Access to the conferences of the virtual meeting, organizational and technical equipment, webplatform set up, technical staff, certificate of attendance sent after the event.

Payment/confirmation

After your registration/payment you will receive our invoice/confirmation by e-mail to the address given by the registration.

Dear colleagues,

On behalf of the scientific committee, it is my great pleasure to welcome you to the annual congress of the Swiss Society for Microbiology on September 2nd and 3rd, 2021. We all live in very interesting times right now, and one consequence is that the conference will occur completely virtually. While at first glance this may appear as a negative, we strongly believe there are also positives. For example, rather than the scientific committee consisting of individuals primarily from the host location, our scientific committee is composed of individuals from research institutions and universities located throughout all of Switzerland (Geneva, Lausanne, Neuchatel, Basel, Zürich, and Dübendorf). We therefore hope to offer a unified "Swiss" experience.

I am happy to announce an exciting scientific program comprising three keynote lectures from leaders in their fields and a total of 21 parallel sessions covering all aspects of microbiology (Clinical Microbiology, Environmental Microbiology, Molecular Microbiology, Mycology, and Virology). The program includes national and international invited speakers along with a number of contributed oral presentations selected from the submitted abstracts. The program also includes an exciting virtual poster session with ample time for stimulating discussions.

I am looking forward to an exciting meeting and I hope that many of you will join us!

Best regards and stay safe,

David R. Johnson
President of the SSM annual congress 2021

11.45-12.00 Introduction
David Johnson, Dübendorf; Pilar Junier, Neuchâtel

12.00-12.30 SPONSORED SYMPOSIUM

12.30-12.45 Short break

12.45-13.45

KEYNOTE 1

12.45-12.50 Introduction
12.50-13.45 Volker Thiel, University of Bern

13.45-14.00 Short break

14.00-15.15

SESSION 1 **AUTOMATION IN CLINICAL MICROBIOLOGY** **CM 1**

14.00-14.30 Jacques Schrenzel, Geneva
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 2 **ENVIRONMENTAL MICROBIOLOGY** **EM 1**

14.00-14.30 Exudate-microbiome interactions on Maize roots
Klaus Schlaeppi, Basel
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 3 **SIGNAL TRANSDUCTION** **MM 1**

14.00-14.30 The complexity of acid stress response : from receptors and translational regulation to phenotypic heterogeneity
Kirsten Jung, LMU München (DE)
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

14.00-15.15

SESSION 4 **MEDICAL MYCOLOGY** **MY 1**

14.00-14.30 Invasive fungal superinfections in patients with severe COVID19
Arnaud Fekkar, Sorbonne University (FR)
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 5 **VIRUSES AND VIRULENCE FACTORS** **VI 1**

14.00-14.30 Genome stability vs variability in herpesviruses and implications for virulence
Klaue Osterreider, City University of Hong Kong (HKG)
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

15.15-15.45 Coffee break – E-posters viewing

15.45-17.00

SESSION 6 **DIGITALISATION** **CM 2**

15.45-16.15 Karsten Borgwardt, ETH Zürich
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 7 **STRUCTURE / FUNCTION** **EM 2**

15.45-16.10 Stefanie Widder, University of Vienna (AT)
16.10-16.30 Relating productivity and diversity in microbial communities: a theoretical and empirical approach
Rudolf Rohr, University of Fribourg
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 8 **EVOLUTION OF PATHOGENS** **MM 2**

15.45-16.15 Evolution of microbe-host interactions in protists
Matthias Horn, University of Vienna (AT)
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

15.45-17.00

SESSION 9 **ENVIRONMENTAL MYCOLOGY** MY 2

- 15.45-16.15** Hidden fairy rings and males: insights into the ecology and lifecycle of the Burgundy truffle
Martina Peter, WSL, Birmensdorf
- 16.15-16.30** 1 contributed talk
- 16.30-16.45** 1 contributed talk
- 16.45-17.00** 1 contributed talk

SESSION 10 **HOST RESPONSE TO VIRAL INFECTIONS** VI 2

- 15.45-16.15** Infection and immune control of human oncogenic gamma-herpesviruses in vivo
Christian Münz, University of Zürich
- 16.15-16.30** 1 contributed talk
- 16.30-16.45** 1 contributed talk
- 16.45-17.00** 1 contributed talk

17.00-17.15 Short break

17.15-18.15

KEYNOTE 2

- 17.15-17.20** Introduction
- 17.20-18.15** CRISPR interference-based synthetic circuits for precise control of gene expression
Yolanda Schaeferli, University of Lausanne

18.15 **END OF DAY 1**

08.15-08.30 **Short introduction**
David Johnson, Dübendorf; Pilar Junier, Neuchâtel

08.30-09.30 **GENERAL ASSEMBLY** **OPEN TO MEMBERS ONLY**
Chair: Pilar Junier, Neuchâtel

09.30-09.45 Short break

09.45-11.45

	E-POSTER SESSIONS	CHATROOMS
09.45-11.45	CLINICAL MICROBIOLOGY (CM)	
09.45-11.45	ENVIRONMENTAL MICROBIOLOGY (EM)	
09.45-11.45	MOLECULAR MICROBIOLOGY (MM)	
09.45-11.45	MYCOLOGY (MY)	
09.45-11.45	VIROLOGY (VI)	
09.45-11.45	LAY COMMUNICATION	

11.45-12.00 Short break

12.00-12.30 SPONSORED SYMPOSIUM

12.30-12.45 Short break

12.45-13.45

KEYNOTE 3
Chairs tbd

- 12.45-12.50** Introduction
- 12.50-13.45** Azoles here, azoles there, are azoles used everywhere?
From agriculture to zoo
Michaela Lackner, University of Innsbruck (AT)

13.45-14.00 Short break

14.00-15.15

SESSION 11 **MYCOBACTERIA** CM 3

- 14.00-14.30** **Bettina Schulthess, University of Zürich**
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 12 **ENG & CONTROL** EM 3

- 14.00-14.30** Synthetic communities for high-throughput screening
Sven Panke, ETH Zürich
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 13 **CELLULAR MICROBIOLOGY** MM 3

- 14.00-14.20** The ability of *Yersinia* to persist in gut-associated lymphatic tissues
Petra Dersch, University of Münster (DE)
14.20-14.45 Chlamydia - Host cell interactions at the crossroad of metabolism and immune defence
Thomas Rudel, University of Würzburg (DE)
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 14 **FUNDAMENTAL MYCOLOGY** MY 3

- 14.00-14.30** Incompatibility in *Podospora* and transkingdom conservation of regulated cell death pathways
Sven Saupe, University of Bordeaux (FR)
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 15 **HIV AND HEPATITIS** VI 3

- 14.00-14.20** Towards the HIV cure: delivering Crispr-Cas into the CD32+ T cell reservoir
Ben Berkhout, University of Amsterdam (NL)
14.20-14.45 Single cells facing HIV
Angela Ciuffi, University of Lausanne
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

SESSION 16 **LAY COMMUNICATION**

- 14.00-14.15** 1 contributed talk
14.15-14.30 1 contributed talk
14.30-14.45 1 contributed talk
14.45-15.00 1 contributed talk
15.00-15.15 1 contributed talk

15.15-15.45 Coffee break – E-posters viewing

15.45-17.00

SESSION 17 **NEXT GENERATION SEQUENCING** CM 4

- 15.45-16.15** **Helena Seth-Smith, University Hospital Basel**
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 18 **BIOFLMS** EM 4

- 15.45-16.15** Regulation of biofilm formation by flow and substrate mechanics
Alex Persat, EPFL
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 19 **SECRETION SYSTEMS** MM 4

- 15.45-16.15** Dynamic of the *Pseudomonas aeruginosa* type VI secretion system (T6SS) and multimodal delivery of antibacterial toxins
Alain Filloux, Imperial College London (GB)
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 20 **ANTIFUNGAL RESISTANCE** MY 4

- 15.45-16.10** Emerging treatment failure in dermatophytosis: genotyping and resistance testing in *T. mentagrophytes*
Philipp Bosshard, University of Zürich
16.10-16.30 The threat of parallel emergence of fungicide resistance in agriculture
Daniel Croll, University of Neuchâtel
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

SESSION 21 **INFLUENZA AND RESPIRATORY VIRUSES** VI 4

- 15.45-16.15** Entry of influenza A viruses
Silke Stertz, University of Zürich
16.15-16.30 1 contributed talk
16.30-16.45 1 contributed talk
16.45-17.00 1 contributed talk

17.00-17.15 Short break

17.15-17.45 POSTER AWARDS, NEXT SSM MEETING AWARDS, NEXT SSM MEETING