

Provisional Programme – topics and speakers*

5th Conference on Microbial Stress
Rome, Italy, 16 – 18 November, 2020

(* all listed speakers are confirmed speakers)

Monday, November 16th 2020

11.00 - 12.30	Registration
14.00	Organizers and welcome address
14.10 - 15.00	Opening Lecture James Bardwell - University of Michigan, Howard Hughes Medical Institute, Ann Arbor, USA “Chaperone mediated folding by the stress induced chaperone Spy “
Session I - Stress at the Systems and Structural Level Chairs: To be announced	
15.00 - 15.30	To be announced
15.30 - 16.00	<i>Coffee break</i>
16.00 - 16.35	Jan Pané-Farré - Philipps-University Marburg, Germany “Structure and function of the Stressosome signalling hub”
16.35 - 17.30	To be announced
17.30 - 19.00	Welcome cocktail & poster session

Tuesday, November 17th 2020

Session II - Signaling, intracellular and population responses under stress Chairs: To be announced	
09.00 - 09.35	Invited Lecture Jörg Stülke - Georg-August-Universität Göttingen, Germany “Recent advances and current trends in nucleotide second messenger signalling in bacteria”
09.35 - 10.30	To be announced
10.30 - 11.00	<i>Coffee break</i>
11.00 - 11.35	Nicola Stanley-Wall - University of Dundee, UK “Understanding the mechanisms of biofilm formation by <i>Bacillus subtilis</i> .”
11.35 - 12.30	To be announced
12.30 - 14.00	Lunch
Session III - Antibiotic stress and persistence Chairs: To be announced	
14.00 - 14.35	Invited Lecture Oscar Kuipers - University of Groningen, Netherlands “Preadaptation of <i>Bacillus subtilis</i> to mild osmostress contributes to increased antibiotic resistance”
14.35 - 15.30	To be announced
15.30 - 16.00	<i>Coffee break</i>
16.00 - 16.35	Invited Lecture Bram Van den Bergh – KU Leuven, Belgium “Internal pH homeostasis and its involvement in evolution towards high antibiotic persistence”
16.35 - 17.30	To be announced
17.30 - 19.00	Poster Session 2

Wednesday, November 18th 2020

Session IV - Biotic and abiotic stress as evolutionary drivers Chairs: To be announced	
09.00 - 09.35	Invited Lecture Verena Siewers – Chalmers University of Technology, Sweden “Stress-induced expression is enriched for evolutionarily young genes in diverse budding yeasts”
09.35 - 10.30	To be announced
10.30 - 11.00	<i>Coffee break</i>
11.00 - 11.35	Invited Lecture (To be announced)
11.35 - 12.30	To be announced
12.30 - 14.00	Lunch
EFB-COST ACTION CA18113 “EuroMicroPH” co-organized Session V - Industrial applications of low pH stress on microbial bio-based production Chairs: To be announced	
14.00 - 14.35	Invited Lecture Paola Branduardi – University of Milano Bicocca, Italy “Yeasts coping with organic acids: lessons and potential solutions”
14.35 - 15.30	Jana Sedlakova – Kadukova- Pavol Jozef Safarik University in Kosice, Slovakia “Perspectives and limitations in e-waste bioleaching” Merve Atasoy, KTH, Sweden “Mixed culture fermentation for volatile fatty acids production from waste-streams under acidogenic conditions” Mustafa Turker – Pakmaya, Turkey “Low pH in Food and Industrial Biotechnology: Opportunities and Potential Applications” Adam Cenian – Polish Academy of Science, Poland “to be announced”
15.30 - 16.00	<i>Coffee break</i>
16.00 - 17.30	Lucian Staicu – University of Warsaw, Poland “Metal stress - biomineral remedy” + General Discussion (and survey) on how to enhance the cooperation between academia and industry in the field
17.30 – 18:30	EMBO Keynote Closing lecture Regine Hengge - Hermann von Helmholtz University, Berlin, Germany “Linking bacterial growth, survival and multicellularity with second messengers as triggers and drivers”
18:30 – 19:00	Closing remarks
20.00 - 22.00	Conference Dinner + Poster prize awards