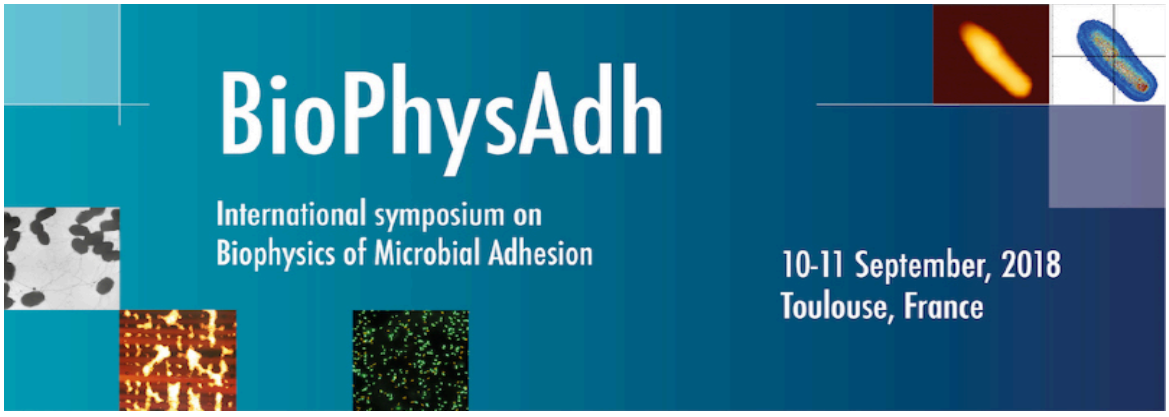


SCIENTIFIC PROGRAM

Monday, September 10th

9h00-9h30: Welcome reception and registration

9h30-10h00: Presentation of the 2 days, speech by Fermat federation representative, and Norwegian homologs.

10h00 - 12h00: Session 1, Adhesion factors

Keywords: Adhesins, surface proteins, extracellular matrix

10h00-10h30: **Invited speaker Prof. Dirk LINKE** - Trimeric Autotransporter Adhesins - Understanding adhesive function and screening for inhibitors

10h30-11h00: **Invited speaker Prof. Ole Andreas Økstad** - One messenger, different messages, different effects of c-di-GMP signaling in regulating life on surfaces among pathogenic and non-pathogenic *Bacillus* species

11h00-11h20: Coffee break

11h20- 11h50: **Keynote lecture Prof. Piet de Groot** - Proteomic studies of hyperadhesive Candida strains identify novel cell wall adhesins involved in biofilm formation

11h50-12h10: Mennat El Ghalid - Characterization of *Candida albicans* GPI-anchored proteins involved in biofilm formation.

12h10-12h30: Prof. Sletmoen Marit - Glycan-based molecular interactions and their role in bacterial surface

12h30-13h30: Lunch break

13h30-15h00: Poster Session 1

15h00 - 17h40: Session 2, Single-molecule techniques to probe adhesion

Keywords: Force spectroscopy, high-resolution and fluorescence microscopy

15h00-15h30: Dr. Frédéric Eghiaian - Quantitative, multi-scale measurements of adhesion forces using Atomic Force Microscopy and Optical Trapping.

15h30-16h00: **Invited speaker Dr. Paula Pareira** - Unraveling bacterial adhesion profile: is force spectroscopy the key to more efficient medicine?

16h00-16h20: Ibrahima Dramé - Role of *Lactococcus lactis* pili in homotypic interactions using single-molecule force spectroscopy

16h20-16h50: Coffee break

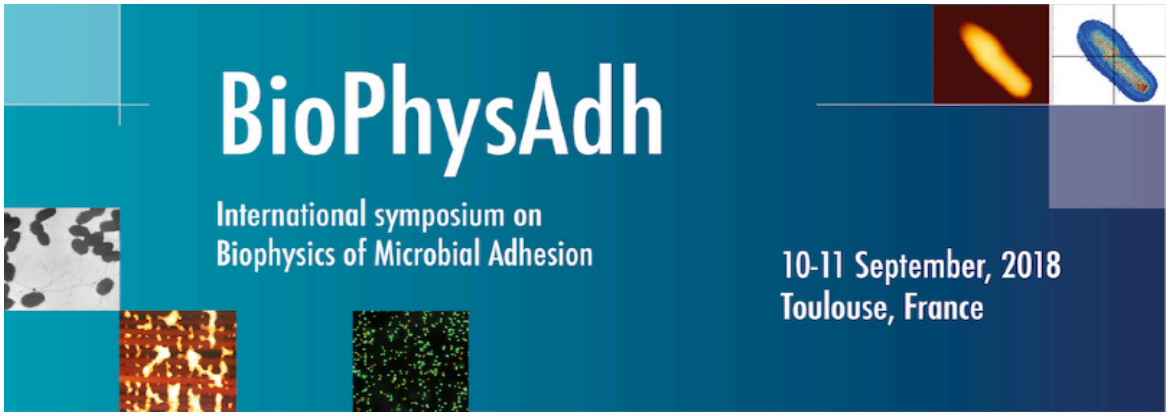
16h50-17h20: **KeyNote lecture Prof. Magnus Anderson** - Single moelcule, bacteria pili and Optical tweezers

17h20-17h40: Sergio Proa Coronado - Automatic nanomechanical analysis on cell populations by Atomic Force Microscopy

---

19h00 – 23h00: Gala Diner at Muséum d'Histoire Naturelle

35 Allées Jules Guesdes (Métro B Palais de Justice)



Tuesday September 11th

9h00 – 11h30: Session 3, From planktonic to biofilm lifestyle

Keywords: Health, Food, biofilms, industry, process

9h00-9h30: **Invited speaker Prof. Romain Briandet** - Biofilm- the third dimension that makes the difference

9h30-9h50: Khatrawi Elham - Understanding the function of the Pga15 family in Candida albicans pathobiology

9h50-10h20: Coffee break

10h20- 10h50: **Keynote lecture Prof. Ingrid Bakke** - Micromucus: Germfree Atlantic salmon fry as model system for studying microbial adhesion to an intact natural mucosal surface

10h50-11h10: Elena Yunda - Effect of the nutritive medium choice on the formation of *Lactobacillus rhamnosus* GG biofilms on an abiotic surface

11h10-11h30: Prof. Tanya Dahms - Rosemary inhibits *Candida albic*ans biofilm production through the proposed EFG1-HWP1 pathway, leading to vacuolar disintegration and cell cycle arrest

---

11h30-13h00: Poster session 2

13h00-14h00: Lunch break

14h00 – 16h30: Session 4, Smart materials and safe process

Keywords: clean-in-place, hygiene, pro-anti-fouling, positive biofilms, conditioning film, chemical engineering,

14h00-14h30: **Invited speaker Prof. Jean-François Giglhione** - From living in the 'plastisphere' to plastic biodegradation: a big step for marine biofilms

14h30-14h50: Marvine Soumbo - Adhesion of *Candida albicans* on the surface of tailored by AgNPs thin silica layers: evaluation at low shear stresses

14h50-15h20: Coffee break

15h20-15h50: **Keynote Lecture Dr. Martina Baum** - Surface & material modifications to influence biofouling - From lab-scale to technical applications

15h50-16h10: Zibin Nan - Antifouling coatings for the protection of surfaces exposed to continental superficial waters

16h10-16h30: Kremena Makasheva - The spectro-inside concept based on using AgNPs nanocomposites for biosensing the adsorption of proteins on solid surfaces

---

16h30 - 17h00: Closing ceremony, best poster award, Concluding remarks from the organizers