

36th Annual Swiss Trypanosomatid Meeting

<http://wp.unil.ch/trypmeeting/>

January 09-11, 2019, Leysin

Location:

Mercure Classic Hôtel
www.classic-hotel.ch
1854 Leysin

Organizers:

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The organizers wish to thank the following sponsor:

Swiss National Science Foundation

36th Annual Swiss Trypanosomatid Meeting, Programme

Wednesday, 09. January

15.00 WELCOME RECEPTION

16.00 OPENING

Session 1: Chairperson Caroline Dewer

16.05 Keith R. Matthews, University of Edinburgh, Scotland
The developmental biology of trypanosomes in their mammalian host

17.05 Sebastian Knüsel
Driving developmental progression and collective behaviour in *Trypanosoma brucei*

17.25 Sebastian Shaw o
Flagellar cAMP signaling controls trypanosome progression through host tissues

17.45 Shubha Bevkal Subramanyaswamy o
Are there stage-specific functions for Alba-domain proteins in *Trypanosoma brucei*?

18.05 Alexander C. Haindrich o
Characterization of proline transporters in *Trypanosoma brucei*

18.30 DINNER

Session 2: Chairperson Francesca Florini

20.00 Alena P. Zikova, University of South Bohemia, Czech Republic
Mitochondrial metabolic remodeling during *Trypanosoma brucei* developmental differentiation

21.00 H el ene Baudouin o
Biochemical approaches to identify Tripartite Attachment Complex proteins in *Trypanosoma brucei*

21.20 Simona Amodeo o
Characterization of novel mitochondrial genome maintenance and segregation factors in *Trypanosoma brucei*

21.40 Shikha Shikha o
CCA adding enzyme in the mitochondrion of *Trypanosoma brucei*

Thursday, 10. January

Session 3: Chairperson Andrew Cowton

- 08.30 Kai Zhang, Texas Tech University, TX**
Understanding the roles of sterol synthesis in Leishmania stress response
- 09.30 Maria Martinez**
New topical treatment for cutaneous Leishmaniasis
- 09.50 Sonja Bernhard**
Fexinidazole - a new oral treatment for sleeping sickness
- 10.10 Anna Fesser o**
From growth curve to time-to-kill: exploring new *in vitro* assays for Chagas' disease
- 10.30 COFFEE BREAK**

Session 4: Chairperson Natalie Wiedemar

- 11.00 Samuel Rout**
Characterization of novel mitochondrial primary protein import receptors in *Trypanosoma brucei*
- 11.20 Christoph Wenger o**
Elucidating the protein translocation pore in the mitochondrial inner membrane of *Trypanosoma brucei*
- 11.40 Alessio Loffreda o**
A cardiolipin-dependent protein affecting mitochondrial function and phospholipid synthesis in *Trypanosoma brucei*
- 12.00 Caroline Dewar**
Deciphering mitochondrial quality control in *Trypanosoma brucei*
- 12.30 LUNCH**

Session 5: Chairperson Maria Martinez

- 16.30** **Norma W. Andrews, University of Maryland, MD**
A surprising journey: From cell invasion by *Trypanosoma cruzi* to the mechanism of plasma membrane repair
- 17.30** **Francesca Florini** **o**
Unexpected diversity in eukaryotic transcription revealed by the retrotransposon hotspot family of *Trypanosoma brucei*
- 17.50** **Christine Clayton**
RNA translation, degradation and the MKT complex
- 18.30** **DINNER**

20.30 – 22.00 **POSTER SESSION**

Friday, 11. January

Session 6: Chairperson Isabel Roditi

- 09.00** **Jayne Raper, Hunter College, NY**
The arms race between host and parasite: Serum resistance in zoonotic trypanosomes
- 10.00** **Dorien Mabile** **o**
Using RNAi to explore the mode-of-action of novel antitrypanosomal nucleoside analogs
- 10.20** **Natalie Wiedemar**
Expression of a specific variant surface glycoprotein has a major impact on suramin sensitivity and endocytosis in *Trypanosoma brucei*
- 10.40** **Nathalie Isorce**
From the patient to the bench - comparison of two *L. infantum* strains
- 11.00** **COFFEE BREAK**
- 11.20** **PRIZES AND CLOSURE**

Train departure from Leysin-Versmont at 11:59

POSTERS

1. **Sarah Hoenner**
Tools to identify candidate genes involved in social motility
2. **Aurelio Jenni**
Elucidating the interactome of *T. brucei* Rft1
3. **Corinne von Känel**
Elucidating the motor for mitochondrial protein import in *Trypanosoma brucei*
4. **Tatiana Küster**
The role of ACAD in the TIM complex of *Trypanosoma brucei*
5. **Advaita Iyer**
Characterization of the ER membrane protein complex (EMC) in *T. brucei*
6. **Andrew Cowton**
Investigating phospholipid scramblase activity in *T. brucei* detergent extracts
7. **Irina Bregy**
Functional analysis of a kDNA maintenance factor in *T. brucei*
8. **Salome Aeschlimann**
Better stay inTACt!