Hybrid zone workshop 4. -7. 9. 2017

Mohelno 134, 675 75

Where: field station Mohelský mill



http://www.ivb.cz/research-facilities-field-station-mohelno.html

The workshop is a forum for discussion of hybrid zones, an ideal environment for research across many topics: speciation, host-parasite interactions etc. Hybrid zones (HZ) are natural laboratories, where we can, for example, use new sequencing methods and whole-genome sequencing to closely observe evolution-genetic processes in the natural environment.

Workshop is for Ph.D students, Postdocs and Researchers at all levels interested in different aspects of HZs.

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Workshop is supported by The Czech Academy of Science



The Czech Academy of Sciences

Hybrid zone workshop 4.-7.9.2017

Program:

Field station Mohelský mill and Research facility Studenec

<u>Monday 4. 9. 2017</u>: 16:00 - 17:00 Arrival of participants at the field station, welcome party

Tuesday 5. 9. 2017: chairman Z. Hiadlovská 7:30 - 9:00 Breakfast at the field station 9:00 - 10:00 Nick Barton: Making sense of sequence data 10:00 - 10:30 Derek Setter: Signatures of introgression 10:30 - 11:00 Coffee break 11.00 - 11:45 Stuart J. E. Baird: Matryoshka hybrid zones of mice and their fellow-travellers 12:00 - 14:00 Lunch at the restaurant in Mohelno 14:00 - 16:00 Optional excursion to the The Mohelenská Serpentine Steppe

National Nature Reserve 17:00 - 17:30 Christelle Fraisse: Fine-grained genetic structure in an

admixed population of Southern-Hemisphere mussels

17:30 -18:00 Discussion

18:30 Dinner at the restaurant in Mohelno

Wednesday 6. 9. 2017: chairman S. J. E. Baird

7:30 - 9:00 Breakfast at the field station

9:00 - 9:30 **Zuzana Hiadlovská**: X and Y linked CNV genes across European house mouse hybrid zone

9:30 - 10:00 **Iva Martincová**: European house mouse hybrid zone: transects comparison from phenotypical point of view

10:00 - 10:30 Coffee break

10:30 - 11:00 **Jitka Polechová**: A sharp limit to a species' range arises due to eco-evolutionary dynamics

11:00 - 11:30 **Reka Kelemen**: The genomic characterization of the *t*-haplotype, a mouse meiotic driver, highlights its complex history and specialized biology

12:00 - 14:00 Lunch at the restaurant in Mohelno

- after the lunch transport to the Research facility Studenec

14:30 - 15:00 Excursion to the new mice breeding facility (by **I. Martincová**) 15:00 - 15:30 *Coffee break*

15:30 - 16:00 **Danila Kostin**: Divergent and reticulate processes along remarkable altitudinal gradient in tropics

16:00 - 16:30 **Josef Bryja:** Genetic structure of Multimammate mice in Africa - new model for hybrid zone studies?

17:00 - 20:00 Discussion and banquet at Maruska pub

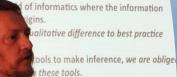
<u>Thursday 7. 9. 2017</u>: departure day 7:30 - 9:00 *Breakfast at field station* 9:00 - 10:00 **Christian Lexer**: Genomic architecture of trait differences in hybrid zones 10:00 - 10:30 Discussion 11:00 Departure from the field station 12:00 *Lunch at the restaurant in Mohelno*











publications using the tool NCA (& NC

t fails continue to be used?

