

# 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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ÚSTAV BIOLOGIE  
OBRATLOVCŮ  
AKADEMIE VĚD ČR



The Czech Academy  
of Sciences

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### Program:

#### Monday 4. 9. 2017:

16:00 - 17:00 Arrival of participants  
At the field station  
17:00 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 Martinová**: European house mouse hybrid zone: transects comparison from phenotypical point of view  
10:00 - 10:30 *Coffee break*  
10:30 - 11:00 **Christian Lexer**: Genomic architecture of trait differences in hybrid zones  
11:00 - 11:30 **David Field**: Selection on flower colour in a snapdragon hybrid zone  
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 **J. Piálek**)  
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 - 18:00 Discussion at Maruska pub - *little snack*  
18:30 - 22:00 *Dinner in brewery Dalešice (after party at the field station)*

#### Thursday 7. 9. 2017: departure day

7:30 - 9:00 *Breakfast at field station*  
11:00 Departure from the field station  
11:30 - 13:00 Optional *Lunch at the restaurant in Mohelno*

Field station Mohelský mill and Research facility Studenec

