



Mathematisches  
Forschungsinstitut  
Oberwolfach

Member of



# Oberwolfach Seminar

## Taxis-Type Evolution Systems: Modeling and Analysis

Organizers: Johannes Lankeit, Hannover  
Christina Surulescu, Kaiserslautern  
Michael Winkler, Paderborn  
Anna Zhigun, Belfast

Date (ID): 5 – 11 June 2022 (2223a)

Deadline: 3 April 2022

How do taxis mechanisms influence the behavior of populations? Describing cross-diffusive motion by means of macroscopic evolutionary PDEs goes along with substantial challenges not only with regard to modeling, but especially also at the level of rigorous analysis.

The aim of this seminar is to expose talented doctoral students and postdoctoral researchers to current developments in this thriving research area, attempting to showcase the lively interplay between application-oriented considerations on the one hand, and scrutinies focused on mathematical aspects on the other.

Please see the more detailed description on the website of the seminar: [www.mfo.de/occasion/2223a](http://www.mfo.de/occasion/2223a)

The seminar takes place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

**Applications including title, ID and date** of the intended seminar, together with **one pdf-file attached** containing

- full name and address, incl. e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest

should be **sent by e-mail** via [seminars@mfo.de](mailto:seminars@mfo.de) until 3 April 2022 to:

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