

Reaction-Diffusion Equations in Montpellier

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Organizers: M. Alfaro, A. Ducrot, N. Forcadel, C. Imbert

University Montpellier 2, Building 9, Conference room 1st floor

Wednesday October 1st

- 14.30–15.15: Danielle Hilhorst (Univ. Paris Sud)
On the large time behaviour of the solutions of a nonlocal ODE
- 15.15–15.45: Coffee break
- 15.45–16.30: Michel Pierre (ENS Rennes)
Some singular limits in reaction-diffusion systems
- 16.30–17.15: Quentin Griette (Univ. Montpellier 2)
Travelling waves in a spatial evolutionary epidemiological model

Thursday October 2nd, Morning

- 09.45–10.30: François Hamel (Univ. Aix-Marseille)
Transition fronts for the Fisher-KPP equation
- 10.30–11.00: Coffee break
- 11.00–11.45: Grégoire Nadin (Univ. Paris 6)
Propagation in heterogeneous Fisher-KPP equations
- 11.45–12.30: Cyril Imbert (Univ. Paris-Est Créteil)
Hamilton-Jacobi equations on networks

Thursday October 2nd, Afternoon

- 14.30–15.15: Vincent Millot (Univ. Paris 7)
Fractional Allen-Cahn vs. nonlocal minimal surfaces
- 15.15–15.45: Coffee break
- 15.45–16.30: Thomas Giletti (Univ. de Lorraine)
Reaction-diffusion systems and prey-predator invasions

Friday October 3rd

- 09.15–10.00: Jean-Michel Roquejoffre (Univ. Paul Sabatier Toulouse)
The time delay in Fisher-KPP type equations
- 10.00–10.30: Coffee break
- 10.30–11.15: Lionel Roques (INRA Avignon)
The spatio-temporal dynamics of neutral genetic diversity
- 11.15–12.00: Vitaly Volpert (Univ. Lyon 1)
Pulses and waves for nonlocal reaction-diffusion equations