

# Reaction-diffusion, propagation, modelling

Paris, november 20-23, 2017

Institut Henri Poincaré

Amphithéâtre Hermite, 11 Rue Pierre et Marie Curie, 75005 Paris

This conference is the closing event of the ERC project ReaDi, driven by Henri Berestycki on reaction-diffusion systems. Such systems arise in a wide variety of contexts: physics, chemistry, life sciences, ecology, and in social sciences. Models in these areas often lead to challenging mathematical questions requiring new developments in nonlinear partial differential equations. The conference aims at presenting the most recent developments and questions in applications and in the theory of nonlinear PDEs for reaction-diffusion systems.

Amandine Aftalion (CNRS, EHESS)  
Juliette Bouhours (Ecole Polytechnique)  
Xavier Cabré (ICREA, UPC, Barcelona)  
Luis A. Caffarelli (Austin)  
Laurent Desvillettes (Paris Diderot)  
Marie Doumic (INRIA Rocquencourt)  
Jian Fang (Harbin)  
Grégory Faye (Toulouse)  
François Hamel (Aix-Marseille)  
Alexander Kiselev (Duke)  
Mark Lewis (Edmonton)

Hiroshi Matano (Tokyo)  
Sylvie Méléard (Ecole Polytechnique)  
Masayasu Mimura (Musashino, Meiji)  
Sepideh Mirrahimi (Toulouse)  
Jean-Pierre Nadal (CNRS, EHESS)  
Alexei Novikov (Penn State)  
Benoît Perthame (Sorbonne)  
Jose Scheinkman (Columbia)  
Beniada Shabani (EHESS)  
Andrea Tellini (Madrid)  
Alessandro Zilio (Paris Diderot)

Organizers: Henri Berestycki (EHESS), Jean-Michel Roquejoffre (Toulouse), Luca Rossi (CNRS, EHESS), Lenya Ryzhik (Stanford)

Participation and funding: participation is free. If you wish to attend, please send the message "Your-Name wishes to attend" to [contact.reaction.diffusion@gmail.com](mailto:contact.reaction.diffusion@gmail.com)

Conference website: <https://reactiondiffusion.weebly.com/>

