

The Japan-France International Laboratory (LIA-197) ReaDiLab  
 Mathematical Understanding of Complex Systems arising in Biology and Medicine

10/27

	Time schedule	Speaker	Title	Chair Person
1	9:30-10:00	Benoit Perthame	Waves and fronts for the Nonlocal Fisher Equation	Mimura
2	10:00-10:30	Mitsugu Matsushita	Statistical Aspects of Complex Systems	
<b>Break time</b>				
3	11:00-11:30	Lionel Roques	Reaction-diffusion for population dynamics in heterogeneous environments	
4	11:30-12:00	Shin-Ichiro Ei	The motion of a transition layer for a bistable reaction diffusion equation in one dimensional space with heterogeneous environment	
<b>Lunch</b>				
				<b>Chair Person</b>
5	14:00-14:30	Hiroshi Seno	Population Size Control with Harvesting/Thinning in Discrete Population Dynamics	Mochizuki
6	14:30-15:00	Michel Langlais	Analytical and numerical insights on the solutions to a predator-prey system posed on non coincident spatial domains	
7	15:00-15:30	Tatsuya Akutsu : Joint work with Morihiro Hayashida, Takeyuki Tamura and Wai-Ki Ching	On Distribution and Enumeration of Attractors in Probabilistic Boolean Networks	
<b>Break time</b>				
				<b>Chair Person</b>
8	16:00-16:30	Yasuhiro Takeuchi	Some mathematical topics related with avian flu	Langlais
9	16:30-17:00	Guillemette Chapuisat	Existence of depolarization waves in the human brain	
10	17:00-17:30	Joe Yuichiro Wakano	Chaotic coexistence of cooperators and defectors in spatial public goods games	

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11	9:30-10:00	Hiroshi Matano	Front propagation under spatially ergodic perturbations	Perthame
12	10:00-10:30	Francois Hamel	Spreading speeds in diffusive excitable media	
<b>Break time</b>				
13	11:00-11:30	Ryo Kobayashi	A Mathematical Model of Amoeboid Locomotion	
14	11:30-12:00	Jong-Shenq Guo	Traveling wavefront for a two component lattice dynamical system arising in competition models	Matano
<b>Lunch</b>				
15	14:00-14:30	Jean-Pierre Francoise	Bifurcation theory and propagation of waves in excitable media	
16	14:30-15:00	Ken-Ichi Nakamura	Asymptotic stability of traveling waves in heterogeneous media	
17	15:00-15:30	Adrien Blanchet	Travelling fronts in stochastic Stokes' drifts	Hamel
<b>Break time</b>				
18	16:00-16:30	Hirokazu Ninomiya	Entire solutions of Allen-Cahn equations	
19	16:30-17:00	Arnaud Ducrot	Travelling wave solutions for some model in phytopathology	
20	17:00-17:30	Daishin Ueyama	A simulation study of pattern transition in a precipitation system	
	18:00-20:00	<b>banquet</b>		

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	Time schedule	Speaker	Title	Chair Person
21	9:30-10:00	Yvon Maday	Title: Mathematical optimization for the design of multisite pacemakers	Demongeot
22	10:00-10:30	Kei Tokita, Tobias Galla and Masanori Sugiura	Phase transition in replicator-mutator dynamics of biological and social systems	
<b>Break time</b>				
23	11:00-11:30	Matthieu Alfaro	Optimal convergence of the Allen-Cahn equation to generalized motion by mean curvature	
24	11:30-12:00	Yasumasa Nishiura	A role of network of unstable patterns in dissipative systems	
<b>Lunch</b>				
				<b>Chair Person</b>
25	14:00-14:30	Eiji Yanagida	Minimization of the principal eigenvalue and its applications to population dynamics	Nishiura
26	14:30-15:00	Danielle Hilhorst	Large time behavior of solutions of a diblock copolymer problem	
27	15:00-15:30	Gilles Wainrib	A mathematical analysis of mean-field coupled noisy oscillators	
<b>Break time</b>				
				<b>Chair Person</b>
28	16:00-16:30	Atsushi Mochizuki	Self-organizing Mechanism for Development of Space-filling Neuronal Dendrites	Hilhorst
29	16:30-17:00	Hiroto Shoji	Mode analysis of one-dimensional Turing pattern under Spatiotemporal Forcing	
30	17:00-17:30	Jacques Demongeot	Modelling of the morphogenesis of feathers (in chicken) and vibrissae (in mice). Dynamical behavior of the null-mean curvature front wave	