

MONDAY	TUESDAY	WEDNESDAY	THURSDAY
<p><u>Chair</u> Solenn Stoeckel</p> <p>09:00 Maria ORIVE Adaptation to environmental change under partial clonality: the effect of environmental variation</p> <p>09:45 Loren COQUILLE Crossing a fitness valley as a metastable transition in a stochastic population model</p> <p>10:30 Coffee Break</p> <p>11:00 Nathalie KRELL Non-parametric estimation of the spiking rate in systems of interacting neurons</p> <p>11:30 Patrick HOSCHEIT Lambda-coalescents as priors in phylodynamical analysis</p> <p>12:30 Lunch</p> <p>14:00 Nicolas BACAER Quelques modèles stochastiques de population dans un environnement périodique ou aléatoire</p> <p>14:45 Héléne GUERIN Interacting Zigzag processes to model collaborative bacteria</p> <p>15:30 Coffee Break</p> <p>16:00 Philippe CARMONA Pathogen emergence in seasonal environments</p> <p>16:30 Nik CUNNIFFE Co-infections by non-interacting pathogens are not independent and require new tests of interaction</p> <p>17:00 Brady BOWEN Density dependence in vector influences coinfection in plant pathogens</p> <p>17:30 Discussion (Chair: Solenn Stoeckel)</p> <p>18:30 End of the conference day</p> <p>19:30 Gala diner in Rennes city center</p>	<p><u>Chair</u> Fred Hamelin</p> <p>09:00 Linda ALLEN Stochastic Epidemic Models of Zoonotic Spillover</p> <p>09:45 Aline MARGUET Inheritance and variability of kinetic gene expression parameters in microbial cells</p> <p>10:30 Coffee Break</p> <p>11:00 Gaël BEAUNEE Inference for a metapopulation model via a composite-likelihood approximation</p> <p>11:30 Driss KIOUACH Dynamics of modified SIRS model with stochastic influences: stationary distribution, persistence in the mean and extinction</p> <p>12:00 Héléne CECILIA Predicting the risk of Rift valley fever outbreaks in West African Sahel</p> <p>Autonomous lunch and afternoon: enjoying Rennes or visiting Saint-Malo</p>	<p><u>Chair</u> Jürgen Angst</p> <p>09:00 Florent MALRIEU On the ergodicity of Piecewise Deterministic Markov Processes in Biology</p> <p>09:45 Charline SMAADI Multidimensional Lambda-Wright-Fisher processes with general frequency-dependent selection</p> <p>10:30 Coffee Break</p> <p>11:00 Yann LE CUNFF Modelling oscillatory behavior in asymmetric division of <i>C.elegans</i> embryo</p> <p>11:30 Vincent QUEDEVILLE Insights into age-structured biological population models</p> <p>12:00 Anjela DAVIDOVIC Calibration of stochastic biochemical models using single-cell video-microscopy experiments</p> <p>12:30 Lunch</p> <p>14:00 Vrushali BOKIL Stochastic models for competing species in the presence of disease with applications to bacterial competition and killing</p> <p>14:45 Romain YVINEC Stochastic population dynamics applied to ovarian follicles development</p> <p>15:30 Coffee Break</p> <p>16:00 Floor BIEMANS A stochastic model of the within-herd transmission of paratuberculosis in an Irish dairy herd</p> <p>16:30 Sébastien PICAULT A mechanistic model for comparing detection methods and control measures in Bovine Respiratory Disease</p> <p>17:00 Discussion (Chairs: Gaël Beaunée & Fred Hamelin)</p> <p>18:00 End of the conference</p>	<p><u>Chair</u> Solenn Stoeckel</p> <p>13:40 Solenn STOECKEL Welcome introduction and practical information</p> <p>14:00 Vincent BANSAYE Stochastic functional responses and some multi-scale models in population dynamics</p> <p>14:45 Camille CORON Inferring marmosets neuroscience parameters using vocalization time datasets</p> <p>15:30 Coffee Break</p> <p>16:00 Aurélien VELLERET Quasi-Stationary Distribution and related notions to describe the adaption of populations to a changing environment</p> <p>16:30 Raphaël FORIEN The stepping stone model in a random environment - the effect of spatial heterogeneities on isolation by distance patterns</p> <p>17:00 Discussion (Chair: Solenn Stoeckel)</p> <p>18:30 End of the conference day</p>