

## FilaVisu Program Paris, 27-29 September 2021

### Monday 27th: Polymorphism of protein oligomers

10:00 - 10:30		Welcoming Coffee
10:30 - 10:45		Introduction
10:45 - 11:45	Edward Egelman	<b>Keynote Helical Polymers: Conservation, Plasticity and Chaos</b>
11:45 - 12:20	Tamás Beke-Somfai	<b>Spontaneous and induced assemblies of antimicrobial peptidic compounds</b>
12:20 - 14:00		Lunch Break
14:00 - 14:15	Chantal Prevost	<b>Practical sessions introduction</b>
14:15 - 15:35		Practical Session 1
15:35 - 16:00		Coffee Break
16:00 - 17:20		Practical Session 2
17:30 - 18:05	Wen Ma	<b>Atomistic simulations of nucleic acid-processing motors</b>

### Tuesday 28th: Recombination filaments: plasticity and function

09:00 - 09:15		Conference room opens
09:15 - 09:50	Steve Kowalczykowski	<b>Showing how to make RAD51 filaments</b>
09:50 - 10:25	Mara Prentiss	<b>Boundaries Play Crucial Roles in RecA Mediated Homologous Recombination</b>
10:25 - 10:45		Coffee Break
10:45 - 11:20	Hiroshi Iwasaki	<b>FRET-based real-time analysis provides new insights into Rad51-driven DNA strand exchange reaction</b>
11:20 - 11:55	Satomi Inabae	<b>Structural changes of RecA protein/DNA complex filament promoted by ATP/ Mg<sup>2+</sup> analyzed using small-angle X-ray scattering and compared with its models</b>
11:55 - 12:30	Chantal Prevost	<b>In silico exploration of RecA filament deformations by sampling RecA/RecA binding geometries</b>
12:30 - 14:00		Lunch Break
14:00 - 14:35	Pauline Dupaigne	<b>RAD52 integrates within RAD51 presynaptic filaments and stimulates homology search mechanism in humans</b>
14:40 - 16:00		Practical Session 3
16:00 - 16:20		Coffee Break
16:20 - 17:40		Practical Session 4
19:30		<b>Gala Dinner</b>

### Wednesday 29th: Dynamics of oligomeric filaments

09:30 - 09:40		Conference room opens
09:40 - 10:15	Michael Nilges	<b>Deciphering the conformational dynamics of a type IV pilus</b>
10:15 - 10:45		Coffee Break
10:45 - 11:10	Noël Fructuoso Bonet	<b>Ftsz monomer interactions and their importance to explain filament properties</b>
11:10 - 11:35	Céline Cattelin	<b>Conformational dynamics of nuclear-encoded PPR proteins regulating gene expression in organelles</b>
11:35 - 12:00		<b>TBA</b>
12:00 - 13:30		Lunch Break
13:30 - 14:30		<b>Round Table</b>