TopoClub, Paris 20-21 of February 2025.

Ecole Normale Supérieure, Amphi Dussane, 35 rue d'Ulm

February 20th

2.00 – 3.30 pm	**Session 1: Chromatin and DNA Topology**
2.00 – 2.20 pm	Olivier Espéli: *Nucleoid disruption by a bacteriophage Protein*
2.20 – 2.40 pm	Stephanie Bury-Moné: *Dynamics of Streptomyces genome architecture and genomic island expression*
2.40 – 3.00 pm	Michella KHOURY DAMAA: *Nuclear dynamics during multiciliated cell differentiation*
3.00 – 3.20 pm	Joanna Timmins: *HU plays a key role in nucleoid organization and compaction in the radiation-resistant bacterium Deinococcus radiodurans*

3.20 – 4 pm Coffee Break

4 – 5.00 pm	**Session 2: Chromosome Topology in Transcriptional Regulation**
4.00 – 4.20 pm	Ivan Junier: *Quantitative insights into topoisomerase activity during gene transcription*
4.20 – 4-40 pm	Virginia Lioy: *Bacterial chromatin remodeling associated with transcription-induced domains at pathogenicity Islands.*
4.40 – 5.00 pm	Céline Borde: *DNA topoisomerase I C-terminal domain is crucial for the pathogeny and stress response of adherent Invasive E. coli*

8 pm Social diner at " *L'escarmouche",* 40 Rue de la Montagne Ste Geneviève, 75005 Paris

February 21st

9.30 – 10.30 am	**Session 3: Molecular mechanisms of topological simplification**
9.30 - 9.50 am	Marlène Vayssières: *Structural basis of DNA crossover capture by Escherichia coli DNA gyrase*
9.50 – 10.10 am	Iris Veyrier: *Replicon dynamics during the cell cycle in Escherichia coli*
10.10 – 10.30 am	James Provan: *The first structural observations of an XerCD-dif DNA recombinase complex*

10.30 – 11.00 am Coffee Break

11.00 – 12.00 am	**Session 4: Topoisomerases Structure and Mechanism of Activity**
11.00 – 11.20 am	Claudine Mayer: *Specificities of mycobacterial DNA gyrases using orthology approaches*
11.20 – 11.40 am	Yaelle Wormser: *Validation of Corynebacterium glutamicum as a surrogate for the discovery of new anti-mycobacterial compounds through the study of a well-established antibacterial target: DNA gyrase*
11.40 – 12.00 am	Patrick Forterre: *La reverse gyrase était-elle présente chez LUCA et/ou chez le dernier ancêtre commun des Asgard*