

9th course on Computational Systems Biology of Cancer - Generative artificial intelligence and network modelling for cancer diagnosis and treatment.

September 21st - September 25th, 2026 **hours are in CEST zone**

Institut Curie Advanced International Course (All lectures are in Amphi BDD*)

Monday, September 21st

Chairs: TBD

09:00 09:15	Loredana MARTIGNETTI & Denis THIEFFRY Institut Curie, Paris, FR	Welcome and opening remarks by the organisers
09:15 10:00	Joshua WATERFALL Institut Curie, Paris, FR	Generative AI for cancer immunity
10:00 11:00	Fatima AL-SHAHROUR KEYNOTE CNIO, Madrid, ES	TBD
11:00 11:30	Coffee break / Meet the speaker (Hall BDD)	
11:30 12:15	Chloé AZENCOTT CBIO Mines ParisTech, Paris, FR	Machine learning for genomics
12:15 14:00	Lunch (Hall BDD)	

Monday, September 21st

Chairs: TBD

14:00 15:00	Valentina BOEVA ETH, Zurich, CH	Transformer-based foundation models for molecular cancer research
15:00 15:30	Coffee break / Meet the speaker (Hall BDD)	
15:30 16:30	Carl HERRMANN Univ. Heidelberg, DE	Computational approaches to single-cell perturbation prediction
17:00 20:00	Welcome cocktail	

Tuesday, September 22nd

Chair: TBD

09:00 10:00	Fabian COSCIA MDC, Berlin, DE	Multiscale spatial proteomics: Integrating imaging and exploratory MS based approaches to decode diseases
10:00 11:00	Laurent GATTO UCLouvain, Louvain, BE	TBD
11:00 11:30	Coffee break / Meet the speaker (Hall BDD)	
11:30 12:00	Flash Presentations by PhD students	
12:00 14:00	Lunch (Hall BDD)	

Tuesday, September 22nd

Chair: TBD

14:00 15:00	Florence CAVALLI Institut Curie, Paris, FR	Characterizing intra-tumoral and temporal heterogeneity from single-cell multiomic data of IDH-mutant gliomas tumors
15:00 16:00	Short talks	10 minutes/presentation
16:00 16:30	Coffee break / Meet the speaker (Hall BDD)	
16:30 17:30	Quentin BLAMPAY Cure51, Paris, FR	Deep learning and computational methods for spatial data analysis
17:30 18:00	Flash Presentations by PhD students	
18:00 19:00	Poster session 1 (Poster area BDD)	

* Entrance through 11 rue Pierre et Marie Curie - 75005 PARIS

Wednesday, September 23rd

Chair: TBD

09:00 10:00	Livia PERFETTO Univ. La Sapienza, ROMA, IT	PatientProfiler: Signalling-Based Biomarkers through Multi-Omic Integration in Cancer
10:00 11:00	Asmund FLOBAK Norwegian University of Science and Technology, Trondheim, NO	Integrating mechanism-based modelling and patient-derived tumouroids to enable clinical decision-making
11:00 11:30	Coffee break / Meet the speaker speaker (Hall BDD)	
11:30 12:15	Short talks	10 minutes/presentation
12:15 14:00	Lunch (Hall BDD)	

Wednesday, September 23rd

Chair: TBD

14:00 15:00	Short talks	10 minutes/presentation
15:00 16:00	Annabelle BALLESTA Institut Curie, Paris, FR	Systems pharmacology and machine learning for optimizing treatments of brain tumors
16:00 16:30	Coffee break / Meet the speaker (Hall BDD)	
16:30 17:30	Arnau MONTAGUD CSIC, Valencia, ES	Advancing the Path to Digital Twins with Multiscale Modelling
17:30 18:00	Flash Presentations by PhD students	5 minutes/presentation
18:00 19:00	Poster session 2 (Poster area BDD) and Master's journal club (Amphi BDD)	

Thursday, September 24th

Chair: TBD

09:00 10:00	Aurélien DUGOURD EMBL-EBI, Hinxton, UK	TBD
10:00 11:00	Frédérique LISACEK SIB Swiss Institute of Bioinformatics, University of Geneva, CH	Did you know that most FDA-approved therapeutic proteins are GLYCOproteins?
11:00 11:30	Coffee break / Meet the speaker (Hall BDD)	
11:30 12:30	Julien VIBERT DKFZ, Heidelberg, DE	Digital twins for cancer research and treatment
12:30 14:00	Lunch (Hall BDD)	

Thursday, September 24th

Chair: TBD

14:00 15:00	Master's journal club (Amphi BDD)	
15:00 15:30	Coffee break / Meet the speaker (Hall BDD)	
15:30 16:30	Maud VAN LIER Sorbonne Université, Paris, FR	Working with GenAI in research: Protecting agency through trust and transparency.
16:30 18:30	Social Event (Outside Curie)	

Friday, September 25th

Chair: TBD

09:00 10:00	Charlotte BUNNE EPFL, Lausanne, CH	TBD
10:00 11:00	Thomas WALTER Mines ParisTech, Paris, FR	Computer Vision for Histopathology and Spatial Transcriptomics
11:00 11:30	Coffee break / Meet the speaker (Hall BDD)	
11:30 12:00	Short talks	10 minutes/presentation
12:00 14:00	Lunch (Hall BDD)	

Friday, September 25th

Chair: TBD

14:00 16:30	Curie Museum Vist (Curie Campus) Career development workshop (Amphi BDD) Master's journal club (IBENS)	
16:30 17:00	Coffee break / Meet the speaker (Hall BDD)	
17:00 17:30	Closing remarks, prizes for journal club, presentations and posters (Amphi BDD)	
17:30 19:00	Farewell cocktail	