

Ecole Polytechnique - CNRS - Institut Polytechnique de Paris

BIOC 50TH ANNIVERSARY

24 June 2025 - Amphi Faurre - Ecole Polytechnique



PROGRAM

9h-9h50 : Welcome coffee

9h50-12h Session 1 (in French)

9h50: Mot d'accueil

Kees Van Der Beek, Directeur de la Recherche de l'Ecole polytechnique

10h00: **Sylvain Blanquet** (Haut collège de l'Ecole polytechnique): "Historique du laboratoire"

10h30: **Emmanuelle Schmitt**: "BIOC aujourd'hui"

10h45: **Jean-François Mayaux** (Consultant en biotechnologies): "Des aminoacyl- tRNA synthétases d'E.coli au développement des biothérapeutiques: 1977- 2014"

11h00: **Frédéric Dardel** (Université Paris-Cité, CiTCoM, Paris): "Une histoire de quelques virus attrapés sur le plateau : virus de la biologie moléculaire, virus bioinformatique, virus des ARN et virus de l'enseignement"

11h15: **Françoise Levêque** (Inspectrice de l'armement, DGA): "Une carrière entre recherche et expertise"

11h30: **Laura Fioni** (Directrice de l'Enseignement de l'Ecole polytechnique): "Les détours d'une carrière pas toute tracée : accompagner et révéler les talents"

11h45: **Thierry Meinzel** (Directeur de Recherche, Université Paris-Saclay, Gif): "Du laboratoire aux institutions : tracer des ponts pour explorer le vivant"

12h-13h55 : Lunch "Salon d'honneur" with the participation of Laura Chaubard (Directrice Générale de l'Ecole polytechnique). Photo souvenir

13h55-17h35 Session 2 (in English)

Chair **Yves Mechulam**

14h00: **Dominique Fourmy** (CNRS, LBPA, Paris-Saclay): "Translational accuracy and outcomes"

14h12: **Laure Yattime** (INSERM, LPHI, Montpellier): "Decoding the mechanisms of pathological inflammation using integrative structural immunology"

14h24: **Carmela Giglione** (CNRS, I2BC, Gif): "All Starts at the Beginning: A Journey from G-Proteins to N-Termini"

Chair **Valérie de Crécy-Lagard**

14h40: **Nono Takeuchi-Tomita** (University of Tokyo): "From formylation to reconstitution: A mitochondrial translation journey enriched in Palaiseau"

14h52: **Damien Thompson** (University of Limerick): "Ex(I'X) - how BIOC fostered a lucky scientist"

Chair **Pierre Plateau**

15h08: **Carine Tisné** (CNRS, IBPC, Paris): "In tRNA we trust"

15h20: **Julie Soutourina** (CEA, I2BC Gif): "Gene expression: from the European programme at the Ecole Polytechnique to I2BC"

Chair **Thomas Simonson**

15h36: **Anne Lopes** (Université Paris-Saclay, I2BC, Gif): "Emergence of microproteins and de novo genes from noncoding DNA"

15h48: **Vaitea Opuu** (CNRS, ESPCI, Paris): "Bridging machine learning and biophysics to expand RNA functional diversity"

16h00-16h20: Break

Musical interlude - **Artem Fokin**

Chair **Alexis Gautreau**

16h30: **Nicolas Molinié** (Team / Project Leader in vitro Biology at Servier): "Academic foundations to industry innovations : my journey in Target Discovery"

16h42: **Gleb Simanov** (Postdoc in Oncology R&D at Sanofi): "Working in academia-industry collaborations: lessons learned"

Chair **Marc Graille**

17h00: **Clément Charenton** (CNRS, IGBMC, Strasbourg): "Cutting mRNAs"

17h12: **Zaineb Fourati-Kammoun** (Université Paris-Cité, CiTCoM, Paris): "From structure to drug: integrating structural biology with pharmacology"

17h30-19h: Visit of the lab, poster session in Salon d'honneur.

19h15 : Barbecue by the lake

Organization committee

Yves Mechulam

Gabrielle Bourgeois
Julia Gaboriaud
Tom Garnier
Charlotte Francheteau
Christine Lazennec-Schurdevin
Lydia Léglise
Clément Madru
Emmanuelle Schmitt
Nathalie Ulryck

with the help of
Maud Herry,
Pôle communication scientifique

Scientific committee

Sébastien Ferreira-Cerca
Alexis Gautreau
Marc Graille
Yves Mechulam
Emmanuelle Schmitt
Benoît Schneider