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International Symposium on Human Genomics

September 20-22, 2023

CNRS Headquarters, 3 rue Michel Ange, Paris, France

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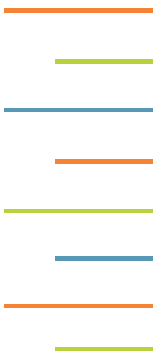
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Wednesday September 20th, Marie Curie Auditorium

- 12:30 - 14:00** Welcoming participants, *main hall*
- 14:00 - 14:15** Introductory speech, *Marie Curie Auditorium*
Pascal Barbry, *France Génomique, IPMC, CNRS, Nice, France*
Jean-François Deleuze, *France Génomique, CNRGH, CEA, France*
Emmanuelle Génin, *ITMO GGB, Inserm, University of Brest, France*
Christian Muchardt, *ITMO GGB, INSB, CNRS, France*
- Ancient DNA, Paleogenomics (chair: Jean-François Deleuze)**
- 14:15 - 15:00** 7000 years of settlement in France seen through the prism of paleogenomics : diffusion, migration and past societies, **Mélanie Pruvost**, *University of Bordeaux, CNRS, France*
- 15:00 - 15:20** Paleogenomics of the peopling of western Europe, **Eva-Maria Geigl**, *Institut Jacques Monod, France*
- 15:20 - 15:40** G-quadruplexes in ancient genomes, **Jean-Louis Mergny**, *Laboratoire d'Optique et Biosciences, France*
- From molecular to integrative approaches 1/2 (chair: Pascal Barbry)**
- 15:40 - 16:25** Single-cell analyses of the human airways in health and respiratory diseases, **Laure-Emmanuelle Zaragosi**, *University of Côte d'Azur, CNRS, France*
- 16:25 - 17:00** Coffee Break, main Gallery
- 17:00 - 17:20** Maturation exploration of kidney organoids from single-cell RNA-seq data analysis, **Solène Brohard**, *Centre National de Recherche en Génomique Humaine, CEA, France*
- 17:20 - 18:05** Tracking B cell immune responses through integrative single-cell sequencing of transcriptome and antibody genes, **Pierre Milpied**, *Centre d'Immunologie de Marseille-Luminy*
- 18:05 - 18:25** The "dog" model for human genetic diseases: resources, tools and strategies applied to the genetic of longevity, **Thomas Derrien**, *Institut de Génétique et Développement de Rennes, France*



Thursday September 21st, Marie Curie Auditorium

- 08:30 - 09:00** Welcoming participants, *main hall*
- Bioinformatics, Statistics, Gene Network 1/2** (chair: Emmanuelle Génin)
- 09:00 - 09:45** Exploring the non-additive component of multifactorial traits through autozygosity in large Biobanks, **Anne-Louise Leutenegger**, *INSERM NeuroDiderot, France*
- 09:45 - 10:05** Transcriptome-wide analysis to better understand the molecular mechanism of pathogenesis in giant cell arteritis, **Michal Zulcinski**, *School of Medicine, University of Leeds, United Kingdom*
- 10:05 - 10:25** Current methods in statistical imputation: going beyond missing genotypes, **Anthony Herzig**, *University of Brest, INSERM, France*
- 10:25 - 11:30** Coffee Break/Poster session (odd numbers), main Gallery
- Translational Genetics 1/2** (chair: Jean-François Deleuze)
- 11:30 - 12:15** Whole genome sequencing in cardiovascular diseases, **Jean-Jacques Schott**, *University of Nantes, INSERM, Thorax Institute, France*
- 12:15 - 12:35** Unravelling the interplay between type 2 diabetes, genetics and metabolite levels in the UK Biobank cohort, **Ozvan Bocher**, *Institute of Translational Genomics, Germany*
- 12:35 - 14:15** Lunch (Joliot and Perrin Rooms)
- From molecular to integrative approaches 2/2** (chair: Pascal Barbry)
- 14:15 - 15:00** Tridimensional analysis of human head development, **Alain Chédotal**, *Sorbonne University, INSERM, CNRS, Vision Institute, France*
- Genome 3D, Epigenetics** (chair: Christian Muchardt)
- 15:00 - 15:45** 3D genome organization and epigenetic regulation in cell differentiation, development and cancer, **Giacomo Cavalli**, *Institute of Human Genetics, CNRS, University of Montpellier, France*
- 15:45 - 16:30** Mechanisms of cell plasticity in breast cancer at single cell resolution, **Céline Vallot**, *Curie Institute-Paris, France*
- 16:30 - 17:40** Coffee Break/Poster Session (even numbers), main Gallery
- Translational Genetics 2/2** (chair: Emmanuelle Génin)
- 17:40 - 18:00** Transcriptomic consequences of U4atac mutations, a snRNA component of the minor spliceosome, **Sylvie Mazoyer**, *Neurosciences Center of Lyon, France*
- 18:00 - 18:45** Genomics of vascular brain disease across the lifespan and across ancestries, **Stéphanie Debette**, *University of de Bordeaux, Centre Bordeaux Population Health Research, Bordeaux, France*
- Until 20:00** **Cocktail Party** (Joliot and Perrin Rooms)

Friday September 22nd, Marie Curie Auditorium

08:30 - 09:00 Welcoming participants, *main hall*

Evolutionary Genomics (chair: Emmanuelle Génin)

09:00 - 09:45 Adaptation to diet: human and microbial perspective, **Laure Segurel**, *LBBE, University of Lyon 1, France*

09:45 - 10:30 The genetic legacy of past epidemics, **Etienne Patin**, *Pasteur-Paris Institute, France*

10:30 - 11:15 Coffee Break/Poster session, main Gallery

Genome instability, Splicing 1/2 (chair: Christian Muchardt)

11:15 - 12:00 Compositional biases establish a link between spatial organization and expression regulation of genes and their products, **Didier Auboeuf**, *ENS Lyon, France*

12:00 - 12:45 Interplay between environmental exposure, genetic predisposition and somatic genomic alterations in liver oncogenesis, **Jessica Zucman-Rossi**, *Centre des Cordeliers, Sorbonne University, INSERM, France*

12:45 - 14:00 Lunch (Joliot and Perrin Rooms)

Genome instability, Splicing 2/2 (chair: Christian Muchardt)

14:00 - 14:45 Bacteria mediated histone modifications in health and disease, **Mélanie Hamon**, *Pasteur-Paris Institute, France*

Bioinformatics, Statistics, Gene Network 2/2 (chair: Pascal Barbry)

14:45 - 15:30 Large language models in genomics, **Jean-Philippe Vert**, *Owkin, Mines Paris, France*

15:30 - 15:50 Leveraging genetic variant pleiotropy to improve fine mapping in human complex traits, **Martin Tournaire**, *Paris Cité University, Paris, France*

15:50 - 16:00 Conclusions

Pascal Barbry, *France Génomique, UPMC, Nice, France*

Jean François Deleuze, *France Génomique, CNRGH, CEA, France*

Emmanuelle Genin *ITMO GGB, Inserm, University of Brest, France*

Christian Muchardt *ITMO GGB, INSB, CNRS, France*

