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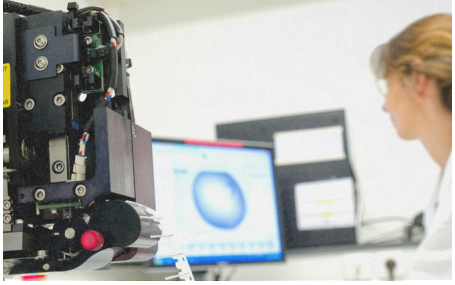

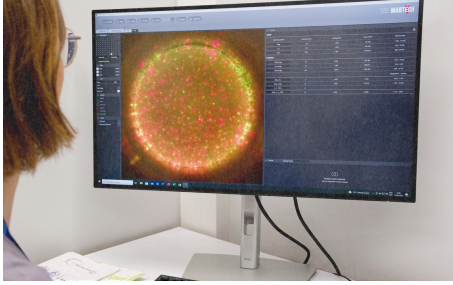

SFR Scientific Day 2024

Advanced data analysis for modern biology

7 June 2024

Amphitéatre Mérieux, ENS site Monod, Lyon

8:30-9:00: Welcome

9:00: Introduction to the SFR - Yann Leverrier, SFR Director

9:15: Keynote lecture: AI and Biomedicine - Pierre Sujobert (CIRI, HCL)

10:00: How to train interdisciplinary students - Anna-Sophie Fiston-Lavier (Université de Montpellier)

10:30: Coffe break

11:00: CAN presentation - O. Gandrillon (ENS, LBMC)

11:05: Parallel and AI-driven Image Analysis - David Cluet (LBMC)

11:25: Using Bayesian modeling approaches to disentangle transcriptional signals in RNAseq data - Mathilde Paris (IGFL)

11:45: Analysis of metagenomic background in public RNASeq data in sarcoidosis patients - Thomas El Jammal (LBTI)

12:05: Company Flash Talks

12:15: Lunch Break, coffee, poster and exhibition tables

14:00: 4 Flash Talks Technology Development SFR-funded projects

14:30: Keynote lecture: The use (and abuse) of artificial intelligence in biomedical image analysis- Damian Dalle Nogare (Human Technopole, National Facility for Data Handling and Analysis)

15:15: Coffee break

15:45: How to analyse polymorphic transposable elements in 1000 genomes?- Marie Verneret (IVPC)

16:05: Molecular Dynamics Simulations as Computational Microscopy -Jackson Crowley (MMSB)

16:25: Structure of the replication complex of vesicular stomatitis virus by cryogenic electron microscopy- Louis-Marie Bloyet (CIRI)

16:45: Numerical reconstruction of plant seeds, from multiangle acquisition to FEM-ready meshes. - Elsa Gascon (RDP)

17:05: Concluding remarks

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