

HIGHLIGHT IN IMAGING



11th of DECEMBER-13h30/17h30



CBI (PAUL SABATIER / UT3 CAMPUS)



AI for Addressing Scientific Challenges

➤ **13h30 : Introduction by Olivier GADAL (TRI)**

➤ **13h45 : Julien ALIGON (IRIT)**

Explainable AI for feature selection

➤ **14h05 : Miguel THOMAS (RESTORE)**

Explainability in Machine Learning: a tool for revealing the hidden potential of single-cell RNA seq data

➤ **14h25 : Mathieu SERRURIER (IRIT)**

Analysis of the Relationships between Robustness and Explainability in Deep Neural Networks »

➤ **14h45 : Brienne MCKENZIE et Kevin CORTACERO (CRCT)**

Kartezio: a fully transparent AI-based approach to biomedical image analysis

➤ **15h05 : Break (30 min)**

➤ **15h25 : Florian SARRON (CBI&IRIT)**

Neural Networks for Cell Segmentation with Partially Annotated Data

➤ **15h45 : Zeyd BOUMEHDI (LAAS)**

Automating an atomic force microscope with artificial intelligence tools

➤ **16h05 : Camilo DE LA TORRE (IRIT)**

Evolution of interpretable programs for biomedical image analysis

➤ **16h25 : Jean-Philippe PRADERE (RESTORE)**

EMito-Metrix, a turnkey pipeline for an automatic evaluation of mitochondria morphology across species: from TEM imaging to computed data

➤ **16h45 : Conclusion & cocktail**

FREE REGISTRATION REQUIRED

