

# 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-Matrix, a turnkey pipeline for an automatic evaluation of mitochondria morphology across species: from TEM imaging to computed data
- **16h45 : Conclusion & cocktail**

**FREE REGISTRATION REQUIRED**

