



12 - 13 MAY @ INSA TOULOUSE

SCIENTIFIC PROGRAM - 2025

May 12th : amphi Léonard de Vinci

AFTERNOON

MONDAY **12**
MAY

13:40 - 14:00	Introduction – Xavier Marie, NanoX Director – Xavier Bouju, FeRMI director
14:00 - 14:40	David Vignolles (LNCMI) : Development of transport measurements in the Megagauss installation (beyond 100 T)
14:40 - 15:00	Sébastien Roux (LPCNO) : Ferroelectricity in folded h-BN layers
15:00 - 15:20	Afnan Al Safati (CEMES) : Quantum Thermal Energy Storage with a Single Molecule
15:20 - 15:40	Valentin Magné (CEMES) : A roundtrip around biarylsulfoxides: synthesis, coordination, and photoreactivity

COFFEE BREAK - (AMPHI LEONARD DE VINCI)

16:20 - 17:00	Jean-Phillipe Monchoux (CEMES) : 3D analysis of dislocations by electronic tomography
17:00 - 17:20	Xavier Gadéa (LCPQ) : title not yet announced
17:20 - 17:40	Cyril Proust (LNCMI) - presentation of 'IRN CAFQA

17:40 - 19:00 ----- APERITIF COCKTAIL & POSTER EVENING - (PIERRE ET MARIE CURIE HALL)





SCIENTIFIC PROGRAM - 2025

May 13th : amphi Léonard de Vinci

MORNING

TUESDAY **13**
MAY

9:00 - 9:40	Laurent Lombez (LPCNO) : Transport in Transition MEtal Dichalcogenides
9:40 - 10:00	Franck Jolibois (LPCNO) : Classical-quantum approaches of biological systems
10:00 - 10:20	Saptarshi Majumdar (LPT) : Impurity dynamics in a one-dimensional weakly interacting bosonic bath
10:20 - 10:40	Marzia Carrada (CEMES) : The red and the black: ladybirds coloration depends on structural and not only pigmentary mechanisms

COFFEE BREAK (AMPHI LEONARD DE VINCI)

11:20 - 12:00	Abris Kossoski (LCPQ) : How to model molecular systems with unbound electrons?
12:00 - 12:20	Somesh Kalaiarasan (LNCMI) : Anisotropic collapse of electronic correlations in UGe2 under high magnetic field
12:20 - 12:40	Eszter Dudas (LCAR) : Laboratory study of solar wind effects on PAHs: focus on methylpyrene

12:40 - 14:00 ----- **LUNCH**

PROGRAM CONTINUED ON NEXT PAGE ➡





SCIENTIFIC PROGRAM - 2025

May 13th : amphi Léonard de Vinci

AFTERNOON

TUESDAY **13**
MAY

14:00 - 14:40

Klaus Frahm (LPT) : title not yet announced

14:40 - 15:00

Bruno Peaudecerf (LCAR) : Optimal sensing with cold atoms

15:00 - 15:20

Ion Nechita (LPT) : Entanglement in random tensor networks

15:20 - 15:40

Sébastien Weber (CEMES) : Data acquisition FAIR

COFFEE BREAK (AMPHI LEONARD DE VINCI)

16:20 - 17:00

Pierre Çarçabal (LCAR) : Spectroscopy of biomolecules in the gaseous phase: structures, interactions, solvent effects

17:00 - 17:20

Maïa Courtiel (LCPQ) : Neural Network-Driven Ab Initio Molecular Dynamics of Water Clusters

17:20 - 17:40

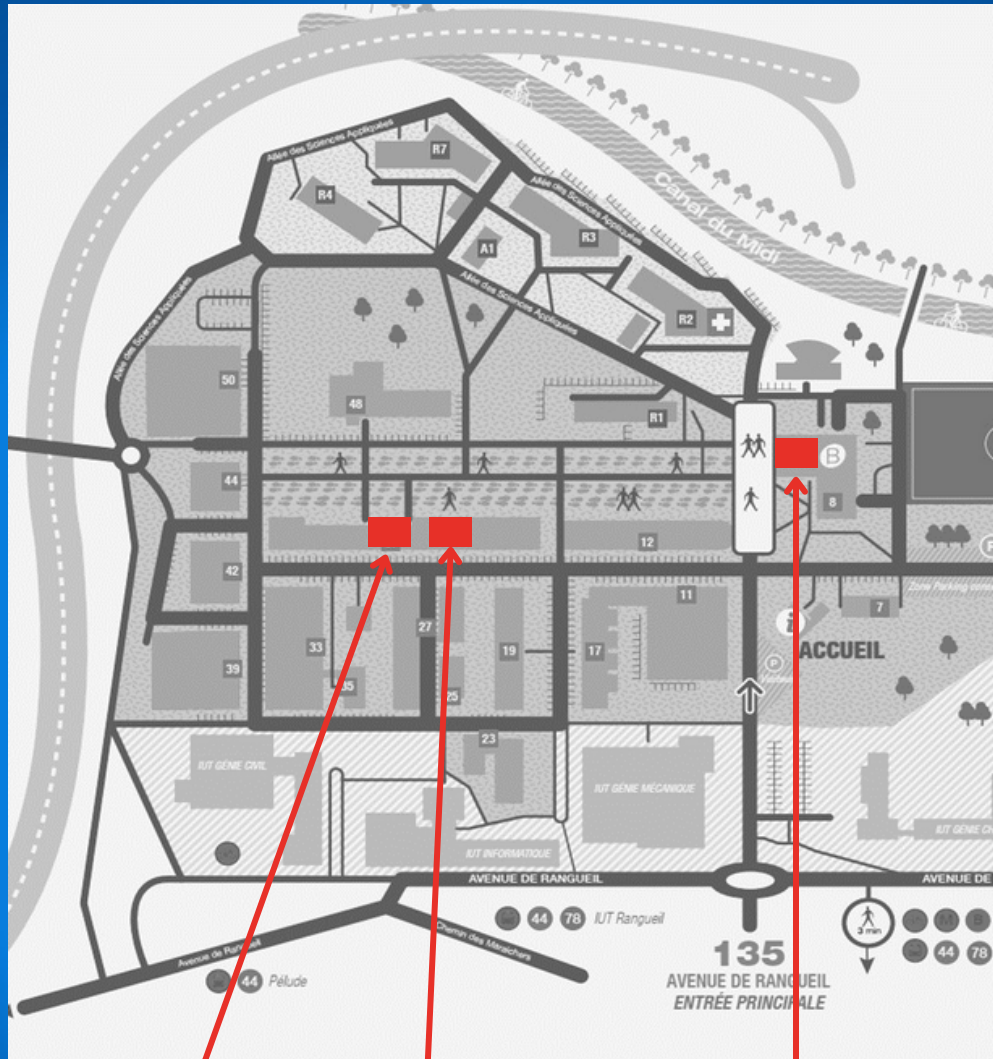
Fabien Delpech (LPCNO) : Exploring the surface chemistry of indium phosphide nanocrystals at the molecular level

17:40 - 18:00

Closing - Xavier Marie, NanoX Director - Xavier Bouju, FeRMI Director



MAP



**PIERRE ET MARIE CURIE HALL :
POSTERS COCKTAIL AND LUNCH**

ROOM IDEFI / 107 SAB AUDITIONS

AMPHI LÉONARD DE VINCI : SCIENTIFIC PRESENTATIONS