# Programme des journées du GDR NanoSciences en Champ proche sous Ultra Vide

# 16 - 18 novembre 2026

# Centre de Nanosciences et de Nanotechnologies (C2N)

# Lundi 16 Novembre 2026

| | |
|---|---|
| 13H00 | Accueil |
| 14H00 | Bienvenue |
| 14H30 | **Syrine Chiboub**<br>Thulium atoms and pairs on MgO thin films investigated by scanning tunneling microscopy and spectroscopy |
| 15H00 | **Alexis Rary-Zinque**<br>Long magnetic lifetime of Dy adatoms on zinc oxide |
| 15h30 | **Gabriela Chávez**<br>ESR-STM of single FePc molecules at strong spin-photon coupling |
| 16H00 | Pause |
| 16H30 | **Clemens Barth**<br>Ultrathin Ceria Islands on Cu(111): Work Function and Reaction with Oxygen and Hydrogen at RT |
| 17H00 | Présentations industriels |
| 17H30 | Session posters et partenaires industriels |
| 19H30 | Dîner |

# Mardi 17 Novembre 2026

| | |
|---|---|
| 09H15 | **Cyril Chacon**<br>Charge density waves in 2D Transition Metal Dichalcogenide heterostructures probed by STM |
| 09H45 | **Ian-Evan Michel**<br>DFT investigation of charge density waves in 2D transition metal dichalcogenides |
| 10H15 | Pause |
| 10H45 | **Valeria Sheina**<br>Moiré-trapped polarons in the type-II multiferroic NiBr2 monolayers |
| 11h15 | **Wissem Ghariani**<br>Phosphorus Induced Faceting of Cu(755): Morphological Evolution and Possible Local Surface Chirality |
| 12H00 | Déjeuner |
| | |

| | |
|---|---|
| 14H00 | **Quentin Stein**<br>Topological Frenkel excitons in 2D molecular crystals |
| 14H30 | **Abishek Karn**<br>Spatially Long-Range Proximity-Induced Superconductivity in PtSe2/NbSe2 |
| 15H00 | **Luis Paulino Rodriguez-Sanchez**<br>Strain induced modulation of the superconducting gap in Fe(Se,Te) |
| 15H30 | Pause |
| 16H00 | **Hugo Valloire**<br>Open Loop Heterodyne KPFM for Quantitative Electrostatics and Potential Dynamics |
| 16H30 | Session posters et partenaires industriels |
| 17H30 | Temps libre |
| 19H30 | Dîner de Gala |

# Mercredi 18 Novembre 2026

| | |
|---|---|
| 09H15 | **Sylvain Clair**<br>Deciphering the kinetic and thermodynamic pathways for the on-surface dual-reactivity of a dibromo-sulfoxide derivative |
| 09H45 | **Elvira Blondelle Momo-Temgoua**<br>Reversible Radical Formation of Naphthalene Diimide<br>Adsorbed on KCl in the Monolayer Regime |
| 10H15 | Pause |
| 10h45 | **Xiaonan Sun**<br>High-Performance Single-Molecule Memory Based on Redox-Active N-Heterocyclic Carbenes |
| 11H15 | **Victor Vaillant**<br>On-Surface Growth of Covalent Organic Frameworks using Functionalized Aromatic Amines |
| 11H45 | Clôture |
| 12H00 | Déjeuner |
| 14H00 | Fin des journées |