



# GDR Phosphore Science Day

Montpellier, 16 June 2023



8.30–9.00  
9.00–9.30

Welcome to participants  
Opening Remarks

## 1<sup>st</sup> Session (Chair: Dr. Pierre-Antoine Bouit)

9.30 –10.15

Invited conference: Dr Maria Caporali (Sesto Fiorentino, Italy)  
[New heterostructures based on 2D black phosphorus for application in catalysis and energy conversion](#)

10.15 –10.30

Geoffrey Letheux (Caen)  
[Synthesis of luminescent and magnetic materials from a rigid phosphonic acid derived from thianthrene](#)

10.30 –10.45

Alexandre Chemin (Rennes)  
[Synthesis of P-containing polymethine cyanines](#)

10.45 –11.00

Dr. Mohammad Ahmad (Le Havre)  
[Development in phosphiraniums ions chemistry](#)

11.00 –11.20

*Coffee break*

## 2<sup>nd</sup> Session (Chairs: Dr. Anne-Marie Caminade & Prof. Béatrice Roy)

11.20 – 12.05

Invited conference: Prof. Henning Jessen (Freiburg, Germany)  
[Chemical Biology Approaches in Magic Spot Nucleotide Signalling](#)

12.05 – 12.20

Mathis Guiraud (Montpellier)  
[Use of triphenylphosphonium salts for mitochondrial delivery of nucleoside analogs](#)

12.20 – 12.35

Dr. Thomas Cheviet (Montpellier)  
[Novel synthetic Approach to Aminomethylene-gem-bisphosphonates Containing an Aziridine Motif](#)

12.35 – 12.50

Dr. Emmanuelle Remond (Montpellier)  
[P-functionalized phospholes for chemoselective fluorescent labeling of peptides](#)

12.50 – 14.00

*Lunch*

## 3<sup>rd</sup> Session (Chair: Dr. Arnaud Voituriez)

14.00 – 14.45

Invited conference: Prof. Manuel Alcarazo (Göttingen, Germany)  
[Synthetic applications of cationic phosphines and phosphonium cations](#)

14.45 – 15.00

Romane Pointis (Toulouse)  
[Hydrogenation of esters promoted by phosphine-NHC manganese catalysts](#)

15.00 – 15.15

Romain Losa (Gif-sur-Yvette)  
[Towards a catalytic process via P\(III\)/P\(V\) redox cycling for the synthesis of 2-azetines](#)

15.15 – 15.30

Dr. Rachid Taakili (Nice)  
[Photochemical Alkene Hydrophosphination with Bis\(trichlorosilyl\)phosphine](#)

15.30–16.00

*Coffee break*

16.00 – 16.15

Dr. Julia Deschamps (Bobigny)  
[Towards the Development of a Second Generation of Bifunctional Peptidic Organocatalysts including a Phosphonic Acid Moiety](#)

16.15 – 16.30

Dr. Adrien Normand (Dijon)  
[Phosphide Ambiphilicity as a Gate Toward Intricate Early-Late Heterobimetallic Complexes](#)

16.30 – 16.45

Dr. Chloée Bournaud (Paris-Saclay)  
[Design and Synthesis of Novel Bifunctional Organocatalysts for Enantioselective Rearrangement](#)

16.45–17.15

Closing Remarks