

# New insights on the interaction of phenanthroline based ligands and metal complexes and polyoxometalates with DNA targets

Dr. Adrià Gil Mestres

Instituto Universitario Mixto de Síntesis Química y Catálisis Homogénea (ISQCH)

Jueves, 9 de septiembre de 2021  
**12h**

Sala de grados (Semipresencial)

On-line (vía Zoom)

Link: <https://us06web.zoom.us/j/85315958982>

**CICLO CONFERENCIAS ISQCH 2021**



Instituto de Síntesis Química y Catálisis Homogénea

Facultad de Ciencias, Universidad de Zaragoza - CSIC  
C/ Pedro Cerbuna, 12. Zaragoza 50009. Spain



**CSIC**  
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS



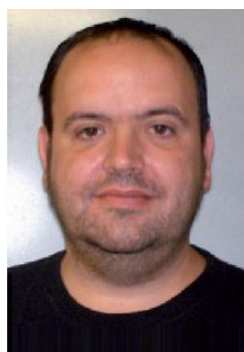
**Universidad**  
Zaragoza



**Facultad de Ciencias**  
Universidad Zaragoza

# New insights on the interaction of phenanthroline based ligands and metal complexes and polyoxometalates with DNA targets

Dr. Adrià Gil Mestres  
**Instituto Universitario Mixto de  
Síntesis Química y Catálisis Homogénea (ISQCH)**



Adrià Gil Mestres obtained his degree in chemistry in Universitat Rovira i Virgili (Tarragona) and carried out his PhD in Theoretical and Computational Chemistry in Universitat Autònoma de Barcelona.

After several international (France, Germany and Portugal) and national (ICIQ - Tarragona) postdoctoral stays and invited researcher positions, he got a GIPUZKOA Research Fellow position in nanoGUNE

(Donostia), where he was developing his own research lines.

1. Intercalation vs. Groove binding interactions of phenanthroline derivatives with duplex DNA
2. Use of polyoxometalates and metal complexes as artificial phosphoesterases
3. DNA G-quadruplexes and their interaction with small molecules with his own team: MSc.

Frederico Martins, PhD student Sawssen Elleuchi, PhD student Iker Ortiz de Luzuriaga, PhD student Jose Lanuza and the junior investigator Dr. Ángel Sánchez Gonzalez.

Currently, he has been hired by ISQCH as ARAID researcher within the Group "Química de oro y plata" led by Prof. Conchita Gimeno.

<https://scholar.google.com/citations?user=RDaEppoAAAAJ&hl=es>