



ESCUELA GEQO SCHOOL
2023

Organometallic Photochemistry

1 al 3 de febrero de 2023

Edificio Quifima, Campus Miguel Delibes
Universidad de Valladolid

[Web: geqo.rseq.org/actividades1/escuela-del-geqo/](http://geqo.rseq.org/actividades1/escuela-del-geqo/)

Organizada por



Program

1 Fundamentals of Photophysics and Photochemistry

José María López de Luzuriaga, Julio Lloret

February 1st, 16:30 - 20:30 h; February 2nd, 9:00 - 10:00 h

1.1 Concepts and Theory of Molecular Luminescence

José María López de Luzuriaga

February 1st, 16:45 - 19:30 h

1.2 Principles of photochemistry

Julio Lloret

February 1st, 19:30 - 20:30 h

February 2nd, 9:00 - 10:00 h

2 Sources of light irradiation from a practical perspective for synthesis

Julio Lloret

February 2nd, 10:00 - 11:00 h

3 Photoactivated transition-metal compounds in biomedical applications

Sylvestre Bonnet

February 2nd, 11:00 - 13:00 h; 15:30 - 17:30 h

3.1 Self-assembling light-activated anticancer drugs

Sylvestre Bonnet

February 2nd, 11:00 - 13:00 h

3.2 Photosubstitution reactions for photoactivated chemotherapy

Sylvestre Bonnet

February 2nd, 15:30 - 17:30 h

4 Optical properties of transition-metal complexes

José María López de Luzuriaga

February 2nd, 17:30 - 19:45 h

4.1 Quenching

4.2 Aggregation Induced Emission (AIE)

4.3 Mechanochromism

4.4 Solvatochromism

4.5 Vapochromism

4.6 Thermally Activated Delayed Fluorescence (TADF)

5 Transition-metal complexes in photocatalysis

Julio Lloret, Sylvestre Bonnet

February 3rd, 9:00 - 13:00 h

5.1 Supramolecular effects in photocatalysis for solar fuels

Sylvestre Bonnet, February 3rd, 9:00 - 11:00 h

5.2 Photocatalysis and photo-electrocatalysis

Julio Lloret, February 3rd, 11:00 - 13:00 h