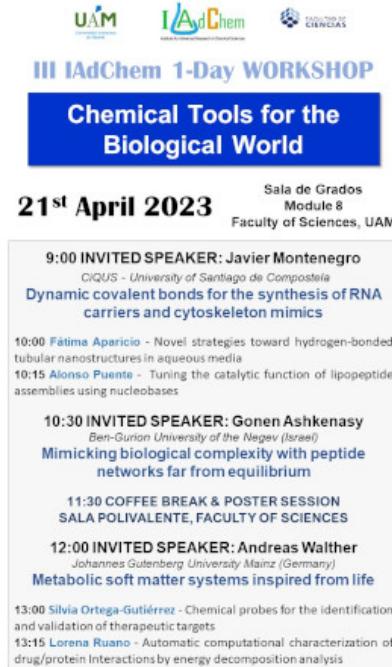


# III IAdChem 1-Day Workshop “Chemical Tools for the Biological World”

 [iadchem.uam.es/conferences-events/workshops/workshop-chemical-tools-for-the-biological-world/](http://iadchem.uam.es/conferences-events/workshops/workshop-chemical-tools-for-the-biological-world/)

IADCHEM Editor

March 10, 2023



**III IAdChem 1-Day WORKSHOP**  
**Chemical Tools for the Biological World**

**21<sup>st</sup> April 2023**

Sala de Grados  
Module 8  
Faculty of Sciences, UAM

9:00 INVITED SPEAKER: **Javier Montenegro**  
CQUIS - University of Santiago de Compostela  
**Dynamic covalent bonds for the synthesis of RNA carriers and cytoskeleton mimics**

10:00 **Fátima Aparicio** - Novel strategies toward hydrogen-bonded tubular nanostructures in aqueous media

10:15 **Alonso Puente** - Tuning the catalytic function of lipopeptide assemblies using nucleobases

10:30 INVITED SPEAKER: **Gonen Ashkenasy**  
Ben-Gurion University of the Negev (Israel)  
**Mimicking biological complexity with peptide networks far from equilibrium**

11:30 COFFEE BREAK & POSTER SESSION  
SALA POLIVALENTE, FACULTY OF SCIENCES

12:00 INVITED SPEAKER: **Andreas Walther**  
Johannes Gutenberg University Mainz (Germany)  
**Metabolic soft matter systems inspired from life**

13:00 **Silvia Ortega-Gutiérrez** - Chemical probes for the identification and validation of therapeutic targets

13:15 **Lorena Ruano** - Automatic computational characterization of drug/protein interactions by energy decomposition analysis

## DATE

Friday 21<sup>st</sup> April 2023.

## VENUE

Lectures: Sala de Grados, Module 8, Faculty of Sciences, UAM.

Poster Session: Sala Polivalente, Faculty of Sciences, UAM.

## SCIENTIFIC COMMITTEE

Prof. Andrés de la Escosura

Prof. David González Rodríguez

Prof. Pilar Amo

## ORGANIZING COMMITTEE

Prof. José Alemán

Dr. Diana Maté

Prof. Sergio Díaz Tendero

## FINAL PROGRAMME

- 9:00- Invited lecture: **Javier Montenegro** (CiQUS – University of Santiago de Compostela)  
10:00 *Dynamic covalent bonds for the synthesis of RNA carriers and cytoskeleton mimics.*
- 
- 10:00- **Fátima Aparicio** – *Novel strategies toward hydrogen-bonded tubular nanostructures in aqueous media.*
- 
- 10:15- **Alonso Puente** – *Tuning the catalytic function of lipopeptide assemblies using nucleobases.*
- 
- 10:30- Invited lecture: **Gonen Ashkenasy** (Ben-Gurion University of the Negev, Israel)  
11:30 *Mimicking biological complexity with peptide networks far from equilibrium*
- 
- 11:30- Coffee break + Poster session
- 12:00
- 
- 12:00- Invited lecture: **Andreas Walther** (Johannes Gutenberg University Mainz, Germany)  
13:00 *Metabolic soft matter systems inspired from life.*
- 
- 13:00- **Silvia Ortega-Gutiérrez** – *Chemical probes for the identification and validation of therapeutic targets.*
- 
- 13:15- **Lorena Ruano** – *Automatic computational characterization of drug/protein Interactions by energy decomposition analysis.*

## SUBMISSION OF COMMUNICATIONS

Abstracts must be submitted to iadchem@uam.es before 13<sup>th</sup> April 2023. Please use the template provided [here](#).

Authors of abstracts selected for oral communications will be informed by the organizing committee.

## OTHER REMARKS

Entry to the lecture is free up to the maximum seating capacity.

The book of abstracts can be downloaded [here](#).