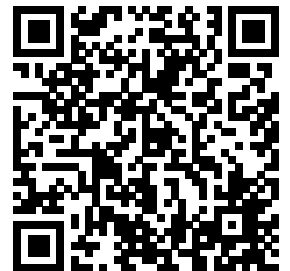


# Frontiers of Integrative Synthetic Biology Research I

**MASTER'S DEGREE IN INTEGRATIVE SYNTHETIC BIOLOGY**

***UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO***

This document can be used as reference documentation of this subject for the application for recognition of credits in other study programmes. For its full effect, it should be stamped by UIMP Student's Office.



## GENERAL DATA

### Name

Frontiers of Integrative Synthetic Biology Research I

### Code

102626

### Academic year

2023-24

### Degree

[MASTER'S DEGREE IN INTEGRATIVE SYNTHETIC BIOLOGY](#)

### ECTS Credits

15

### Type

MANDATORY

### Duration

Cuatrimestral

### Language

## FACULTY

### Coordinator/s

**Peretó Magraner, Juli**

*Doctor en Química*

*Catedrático de Universidad, Bioquímica y Biología Molecular (UV)*

*Instituto de Biología Integrativa de Sistema I2SysBio (UV- CSIC)*

**Peñalva Soto, Miguel Ángel**

*Profesor de Investigación*

*Centro de Investigaciones Biológicas (CIB)*

*Consejo Superior de Investigaciones Biológicas (CSIC)*

**Rivas Caballero, Germán Alejandro**

*Profesor de Investigación de OPI*

*Centro de Investigaciones Biológicas Margarita Salas (CIB-CSIC)*

### Lecturers

**Siddharth , Deshpande**

*Assistant PROFESSOR*

*Principal investigator*

*Laboratory of Physical Chemistry and Soft Matter, Wageningen University*

**Ríos Solís, Leonardo**

*Associate Professor of Metabolic and Bioprocess Engineering*

*University College London, Department of Biochemical Engineering*

**Danelon , Christophe**

*Associate Professor*

*Delft University of Technology*

**García Martínez, Javier**

*Catedrático de Química Inorgánica  
Presidente, Academia Joven de España  
Universidad de Alicante*

**Jiménez Dalmaroni, Maximiliano Javier**

*D. Phil  
Biochemistry Visiting Scientist  
National University of La Plata (UNLP)  
Institute of Biochemistry Research of La Plata (INIBIOLP)  
Faculty of Medical Sciences*

**Santala , Suvi**

*Dr Sci (Tech)  
Academy Research Fellow (Molecular and metabolic engineering)  
Tampere University*

**Montoliu José, Lluís**

*Licenciado (1986) y Doctor (1990) en Ciencias Biológicas por la Universidad de Barcelona  
Investigador Científico del CSIC  
Centro Nacional de Biotecnología (CNB-CSIC)*

**Schwille , Petra**

*Max Planck Inst. Biochemistry, Martinsried, Germany)*

**Nikel Mayer, Pablo Iván**

*PhD.  
Full Professor/ Head of Section  
Denmark Technical University*

**Seeberger , Peter**

*Professor  
Director Max Planck Institute for Colloids and Interfaces, Potsdam, Germany*



## SCHEDULE

### Timetable

06/10/2023

11:00 - 12:00

OPENING LECTURE: What is life? How to approach an ancient question with cutting-edge research (ONLINE)

Petra Schwille

Max Planck Inst. Biochemistry, Martinsried, Germany)

20/10/2023

12:00 - 13:00

MISB-FRONTIERS: Designing biomimetic systems: from understanding biological self-organization towards synthetic cells

Deshpande Siddharth

Assistant PROFESSOR

Principal investigator

Laboratory of Physical Chemistry and Soft Matter, Wageningen University

24/11/2023

12:00 - 13:00

MISB-FRONTIERS: Constructing minimal cells that can evolve (ONLINE)

Christophe Danelon

Associate Professor

Delft University of Technology

27/11/2023

12:00 - 13:00

MISB FRONTIERS: Automated Glycan Assembly Enables the Glycosciences

Peter Seeberger

Professor

Director Max Planck Institute for Colloids and Interfaces, Potsdam, Germany

29/11/2023

16:00 - 18:00

MISB FRONTIERS

Javier García Martínez

Catedrático de Química Inorgánica

Presidente, Academia Joven de España

Universidad de Alicante

18/12/2023

12:00 - 13:00

MISB-FRONTIERS: The untapped chemical diversity of environmental bacteria: tools and applications

Pablo Iván Nikel Mayer

PhD.

Full Professor/ Head of Section

Denmark Technical University

12/01/2024

12:00 - 13:00

MISB-FRONTIERS: Metabolic engineering tools and strategies for high-value lipid production in bacteria

Suvi Santala

Dr Sci (Tech)

Academy Research Fellow (Molecular and metabolic engineering)

Tampere University

22/01/2024

16:00 - 18:00

MISB FRONTIERS: ONLINE

Lluís Montoliu José

Licenciado (1986) y Doctor (1990) en Ciencias Biológicas por la Universidad de Barcelona

Investigador Científico del CSIC

Centro Nacional de Biotecnología (CNB-CSIC)

12/02/2024

12:00 - 13:00

MISB FRONTIERS:

Leonardo Ríos Solís

Associate Professor of Metabolic and Bioprocess Engineering

University College London, Department of Biochemical Engineering



27/02/2024

12:00 - 13:00

MISB FRONTIERS:

Maximiliano Javier Jiménez Dalmaroni

D. Phil

Biochemistry Visiting Scientist

National University of La Plata (UNLP)

Institute of Biochemistry Research of La Plata (INIBIOLP)

Faculty of Medical Sciences