



FRONTIERS – SEMINAR PROGRAM



SEMINARIOS

**07**  
OCTUBRE  
10:00

**CNB**

Centro Nacional de Biotecnología

**Ten future challenges of Synthetic Biology**

**Dr Tom Ellis**

*Imperial College, Londres, UK*

Salón de Actos del CNB

Contacto: **Dr. Victor de Lorenzo**

Tel.: 91 585 45 36 Email: [vdlorenzo@cnb.csic.es](mailto:vdlorenzo@cnb.csic.es)

CENTRO NACIONAL DE BIOTECNOLOGÍA

915 854 500

[www.cnb.csic.es](http://www.cnb.csic.es)



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

**Friday, November 18, 2022**  
12:00h On-site seminar. Additional  
online streaming upon registration



Institute for Molecules  
and Materials,  
Radboud University  
(The Netherlands)

**Coacervates in synthetic  
biology: from crowded  
compartments to  
life-like protocells**

**EVAN SPRUIJT**

REGISTRATION

[https://18nov\\_coacervates\\_synthetic\\_biology.eventbrite.es](https://18nov_coacervates_synthetic_biology.eventbrite.es)

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MASTER'S DEGREE  
ON INTEGRATIVE SYNTHETIC BIOLOGY

Monday, November 21, 2022  
12:00h Online seminar

## Matter to Life: Bottom-up Design of Synthetic Cells



MPI for Medical Research  
& University of Heidelberg  
(Germany)

JOACHIM SPATZ

REGISTRATION

[https://21nov\\_bottom\\_up\\_design\\_synthetic\\_cells.eventbrite.es](https://21nov_bottom_up_design_synthetic_cells.eventbrite.es)

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Organized by:  
Germán Rivas  
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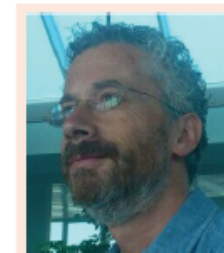
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MASTER'S DEGREE  
ON INTEGRATIVE SYNTHETIC BIOLOGY

Tuesday, December 13, 2022  
12:30h Online seminar

## Optimization in Systems and Synthetic Biology



Misión Biológica de Galicia  
(MBG-CSIC. Pontevedra, Spain)

JULIO R. BANGA

REGISTRATION

To get the connection details contact [irene.otero.muras \(at\) csic.es](mailto:irene.otero.muras@csic.es)

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Irene Otero (Isys2bio)  
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[www.cib.csic.es](http://www.cib.csic.es)  
[www.misb-synbio.com](http://www.misb-synbio.com)



# CENTRO DE INVESTIGACIONES BIOLÓGICAS

Margarita Salas

Friday, December 15, 2022

12:00h On-site Seminar with additional online streaming upon registration

Daring the limits of chemistry in living cells by engineering synthetic metabolism for biofluorination



Novo Nordisk Foundation Center for Biosustainability (Denmark)

**PABLO NIKEL**

## REGISTRATION

[https://15dic\\_engineering\\_synthetic\\_metabolism.eventbrite.es](https://15dic_engineering_synthetic_metabolism.eventbrite.es)

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# CENTRO DE INVESTIGACIONES BIOLÓGICAS

Margarita Salas

Friday, February 17, 2023

12:00h On-site Seminar with additional online streaming upon registration

Immunology of Ebola virus disease



Bernhard-Noch-Institute for Tropical Medicine (WHO Collaborating Center)

**CÉSAR MUÑOZ FONTELA**

## REGISTRATION

[https://17feb\\_immunology\\_ebola\\_disease.eventbrite.es](https://17feb_immunology_ebola_disease.eventbrite.es)

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MASTER'S DEGREE  
ON INTEGRATIVE SYNTHETIC BIOLOGY

Friday, March 24, 2023  
12:00h On-site Seminar with  
additional Online Streaming  
upon Registration

Sustained Feeding of  
Synthetic Non-Equilibrium  
Vesicle Systems for  
Physicochemical  
Homeostasis



University of Groningen

BERT POOLMAN

REGISTRATION

[https://24mar\\_synthetic\\_non\\_equilibrium\\_vesicle\\_systems.eventbrite.es](https://24mar_synthetic_non_equilibrium_vesicle_systems.eventbrite.es)

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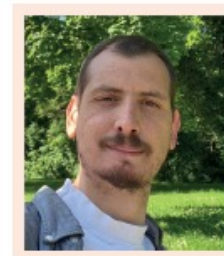
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MASTER'S DEGREE  
ON INTEGRATIVE SYNTHETIC BIOLOGY

Thursday, March 30, 2023  
12:00h Online Seminar

Synthetic biology  
out of the cell



Instituto de Biología Integrativa  
de Sistemas  
(I2SysBio, UV-CSIC)

GUILLERMO RODRIGO

REGISTRATION

[https://30mar\\_synthetic\\_biology\\_out\\_of\\_cell.eventbrite.es](https://30mar_synthetic_biology_out_of_cell.eventbrite.es)

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# CENTRO DE INVESTIGACIONES BIOLÓGICAS

Margarita Salas

Friday, March 31, 2023  
12:00h On-site Seminar with  
additional online streaming  
upon registration

## From cell adhesion to the nuclear envelope: a journey of cryo-ET



University of Zurich  
(Switzerland)

### OHAD MEDALIA

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# CENTRO DE INVESTIGACIONES BIOLÓGICAS

Margarita Salas

Friday, May 5, 2023  
12:00h On-site Seminar with  
additional online streaming  
upon registration

## Activation of an origin of DNA replication visualised by cryo-EM



Francis Crick Institute London  
(UK)

### ALESSANDRO COSTA

REGISTRATION

[https://5may\\_dna\\_replication.eventbrite.es](https://5may_dna_replication.eventbrite.es)

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