

SYMPOSIUM

DNA replication at the heart of
cell fate decisions and cancer
development

November 21st, 2022 at CBMSO

Invited speakers

- Titia Sixma, NKI, The Netherlands
- Julien Duxin, CPR, Denmark
- Matthias Altmeyer, University of Zurich, Switzerland
- Emilio Lecona, CBMSO-CSIC, Spain
- María Gómez, CBMSO-CSIC, Spain
- Juan Méndez, CNIO, Spain
- Lorenza Penengo, University of Zurich, Switzerland
- Philippe Pasero, IGH, France
- Zoi Lygerou, University of Patras, Greece
- Andrés López-Contreras, CABIMER-CSIC, Spain
- Sylvie Noordermeer, University of Leiden, The Netherlands
- Kathrin Klebl, Lead Discovery Center, Germany

Venue: Centro de Biología
Molecular Severo Ochoa (CBMSO)
Calle Nicolás Cabrera, 1. Madrid



PROMOTED BY
RepliFate

Free registration until full capacity
is reached (limited seats).

Registration [link](#)

More information: replifate@cbm.csic.es

IN COLLABORATION WITH
ProteoCure COST Action



SYMPOSIUM SCHEDULE

9:45-10:00 Welcome

Morning Session - DNA Replication and repair in the context of chromatin

10:00-11:15

- Titia Sixma, NKI, The Netherlands.
Regulation of ubiquitin (de)conjugation in DNA replication and repair.
- Emilio Lecona, CBMSO-CSIC, Spain.
The ubiquitin/SUMO equilibrium in the control of DNA replication.
- Lorenza Penengo, University of Zurich, Switzerland.
The interferon/ISG15 system regulates DNA replication fork progression and stability.

11:15-11:45 Coffee Break

11:45-13:00

- María Gómez, CBMSO-CSIC, Spain
Chromatin conformation and the replication-transcription crosstalk.
- Juan Méndez, CNIO, Spain
Flexibility of the DNA replication program in pluripotent stem cells.
- Julien Duxin, CPR, Denmark
Mechanisms of translesion DNA synthesis.

13:00-14:30 Lunch

Afternoon Session - Replication Stress, DNA Repair and Cancer

14:30-15:45

- Matthias Altmeyer, University of Zurich, Switzerland
Charting replication stress responses by cell cycle-resolved high-content microscopy.
- Philippe Pasero, IHG-CNRS, France
Cellular responses to replication stress: from stalled forks to cytosolic DNA and beyond.
- Zoi Lygerou, University of Patras, Greece
DNA replication licensing aberrations as drivers of replication stress and genomic instability.

15:45-16:00 Coffee Break

16:00-17:15

- Sylvie Noordermeer, University of Leiden, The Netherlands
EXO1 activity is essential for BRCA1-mutated tumours.
- Andrés López-Contreras, CABIMER-CSIC, Spain
PICH as a potential therapeutic target in lymphoma.
- Kathrin Klebl, Lead Discovery Center, Germany
Translating Academic Research into Professional Drug Discovery.

17:15-17:30 Concluding remarks

ProteoCure (COST Action 20113) gathers European researchers from the academic, clinical, and industry sectors, interested to develop a knowledge-based network fostering research on this issue.

By organizing community-building activities, fostering synergies among European scientists and reinforcing the training of the next generation of European researchers, the Action will allow creation of a large and creative exchange hub focusing on normal and pathologic proteolysis, and on the development of innovative tools modulating the level of specific protein(s).

COST (European Cooperation in Science and Technology) is a funding agency for research and innovation networks.

Our Actions help connect research initiatives across Europe and enable scientists to grow their ideas by sharing them with their peers.

This boosts their research, career and innovation.

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