Exploring Life Dynamics: In and Out of Equilibrium

The 4th European PhD and Postdoc Symposium

November 18-20, 2020
Human Technopole, Milan

Sponsorship information
www.enablenetwork.eu
ENABLE is an initiative funded by the European Union Horizon 2020 programme involving four renowned European Research Institutes (IRB Barcelona - Spain, RIMLS - Netherlands, NNF CPR - Denmark, SEMM - Italy) and an innovative science communication agency (Scienseed).

What is ENABLE?

European Academy for Biomedical Science

The diagram illustrates the locations of the ENABLE conferences from 2017 to 2020:
- Barcelona, 2017
- Copenhagen, 2018
- Nijmegen, 2019
- Milan, 2020
More about ENABLE

European Academy for Biomedical Science

EUROPEAN ACADEMY FOR BIOMEDICAL SCIENCE

The ENABLE consortium connects aspiring European researchers of tomorrow with prominent scientists of today, in particular to inspire and to give them the necessary tools to follow in their footsteps. ENABLE organises peer-reviewed symposia celebrating European life science achievements and the importance of multidisciplinary research. These symposia have a strong emphasis on public outreach and engagement, thereby giving all stakeholders a voice on biomedical discoveries. ENABLE offers a new and unique brand of conferences aimed at boosting life science discoveries and personalised medicine.

ENABLE aims to promote European excellence in biomedical science with an annual 3-day international event organised entirely by and for PhD students and Postdocs, linking science, career, and communication with the general public. For this purpose, ENABLE includes a scientific symposium, career development sessions, and outreach activities.
History of ENABLE

THE EVENTS 2017 & 2018

- 39 companies at the career day
- 8 top-class keynote speakers in each symposium
- 35 PhD and PostDoc volunteers
- 16 workshops for professional development
- 33 chats with professionals
- 130 travel grant awardees

THE AUDIENCE 2017 & 2018

- 434 participants
- 35 countries

Participant profile:
- 80% PhD students
- 17% Postdoctoral researchers
- 3% Principal Investigators

Impact on social media:

Twitter: 6000 followers

*Facebook, Instagram and LinkedIn
As highly dynamic units of life, cells and organisms need to sustain equilibrium to survive and proliferate. The dynamics of biological systems characterize most known cellular phenomena, such as the maintenance of the cell cycle and regulation of complex protein networks. Accordingly, unresolved and long-lasting perturbations in this delicate balance may lead to disease manifestation and progression. Such dynamics are mirrored by the development of biomedical research, which has experienced significant advances over recent decades to answer arising questions and tackle new challenges. The ENABLE 2020 conference aims to comprehensively address various aspects of biomedical research, providing fascinating examples of newly developed technologies. The conference will highlight the latest discoveries, ranging from biomolecules to populations, and will cover various topics in cellular and genomic stability, multi-omics research, gene editing and personalised medicine, including immunotherapy. While exploring a wide range of cutting-edge research techniques, the conference will illustrate the importance of multidisciplinary collaboration among researchers. It will also feature exciting scientific debates that seek to provide an opportunity for the scientific community to share knowledge with the general public and stimulate discussion.

Unlike other conferences, the programme is devised entirely by young researchers. The ENABLE 2020 audience will include over 300 PhD students and Postdocs, while the outreach activities will engage the local and scientific community. Keynote lectures will be given by international experts and the opportunity fair will feature professionals from the biotechnological and pharmaceutical sectors.

Located next to the “Tree of Life”, the symbol of Milan 2015 International Expo, Human Technopole is in the heart of the Milan Innovation District (MIND). In the coming years, MIND is set to host scientific faculties of the University of Milan, the Galeazzi Orthopaedic Hospital, many companies and start-ups, with the aim of enhancing the quality of people’s lives and promoting the country’s sustainable economic development and international growth.

November 18-20, 2020
CONFIRMED SPEAKERS

**PROF. JUDITH CAMPISI**
- Group Leader at the Buck Institute for Research on Aging
- Professor at the Buck Institute for Research on Aging
- Adjunct Professor at the University of Southern Carolina

Judith Campisi was awarded the IPSEN Foundation Longevity Prize for her anti-aging pioneer studies on the regulation and characteristics of various cell states. Using in vitro human cell cultures and mouse models, her group addresses how cell senescence states cause aging-related diseases, as well as cancer. Her most recent work has provided a link between the pro-inflammatory environment in senescent cells and cancer progression.

**PROF. WILHELM T. S. HUCK**
- Group Leader at the Radboud University Nijmegen
- Professor of Physical Organic Chemistry Chemistry, Institute for Molecules and Materials, Radboud University Nijmegen

The research conducted by the Spinoza Prize winner Wilhelm T. S. Huck combines chemistry, enzymology, and systems and cellular biology to generate a reactions network that resembles a minimal synthetic cell. His recent work has provided the first programmable reaction network that exhibits dynamic behaviour.

**PROF. ANTHONY A. HYMAN**
- Director, Scientific Member, Group Leader at the Max Planck Institute of Molecular Cell Biology and Genetics
- Professor of Molecular Cell Biology at Dresden University of Technology

Awarded the Gottfried Wilhelm Leibniz Prize and EMBO Gold Medal for his research into microtubules and cell division, Anthony Hyman is also one of the pioneers in the field of biomolecule phase transitions. Currently, the main goal of his lab is to understand liquid-liquid phase separation, a phenomenon underlying diseases related to protein aggregation and membraneless organelles, which are critical elements for correct cell functioning.
ENABLE 2020 Symposium

Confirmed Speakers

■ PROF. LINDA SAIF

- Group Leader at the College of Food, Agricultural, and Environmental Sciences, the Ohio State University
- Professor at the Ohio State University

Linda Saif is a virologist and immunologist whose research focuses on enteric and respiratory viral infections of food animals and humans and their interactions with probiotics and the gut microbiota. In 2015 she was the first woman to receive the Wolf Prize in agriculture.

■ PROF. CECILIA LINDGREN

- Senior Group Leader at The Big Data Institute, Li Ka Shing Centre for Health Information and Discovery, University of Oxford
- Senior Group Leader at Nuffield Department of Women’s and Reproductive Health
- Professor of Genomic Endocrinology and Metabolism

Cecilia Lindgren is spearheading efforts to advance the understanding of mechanisms involved in obesity with a focus on central fat accumulation. Harnessing state-of-the-art big data and genomic approaches, her group is working on the identification of genetic variants associated with obesity and their functional consequences. This line of research may ultimately lead to novel diagnostic and therapeutic options for the management of obesity.

■ PROF. MARTA ALONSO

- Group co-Leader at the Center of Applied Medical Research in Navarra
- Associate Professor and co-Director of the Neuro-oncology Area at the University Clinic of Navarra

Marta Alonso’s research seeks to develop new therapeutic strategies for pediatric solid tumours, brain tumours and sarcomas. Her lab, supported by an ERC Consolidator Grant, aims to modify the dynamics of the immune system through the use of tumour-specific oncolytic viruses, and to potentiate effective clearance of tumour tissue.
PROF. FRANK HOLSTEGE

Group Leader at the Prinses Máxima Centrum for Pediatric Oncology
Professor at the University Medical Center Utrecht

To answer fundamental questions about the development and regulation of pediatric cancer, Frank Holstege’s group adopts a multi-integrative genomics approach to unravel the underlying molecular mechanisms of gene regulation and epigenetics. Holder of the NWO VICIS award, Frank Holstege directs a multi-omics lab, whilst addressing clinical challenges such as patient stratification and treatment response at the Prinses Máxima Centrum.

PROF. KIMBERLY MICHELLE BONGER

Group Leader at the Radboud Institute for Molecular Life Sciences and Radboud University Nijmegen
Assistant Professor, Institute for Molecules and Materials, Radboud University Nijmegen

Holder of an ERC starting grant, Kimberly Bonger studies how protein misfolding events can lead to conditions such as cancer, Alzheimer’s disease and diabetes. Her lab visualises and modulates protein homeostasis at the subcellular level using small molecule probes and engineered biological systems.

PROF. ANDREA CRISANTI

Professor of Molecular Parasitology at the Imperial College London
Co-principal Investigator of INFRAVEC2

Andrea Crisanti’s group uses gene-editing technologies to develop strategies to eradicate the infectious malaria parasite in developing countries in Africa, Asia Pacific and the Amazon basin. Recently, his laboratory has demonstrated how CRISPR-Cas9 can be programmed to target genes in malaria-spreading mosquitoes, thereby impairing their sexual development and dramatically reduce their population.
# ENABLE 2020 Symposium

## Schedule overview

<table>
<thead>
<tr>
<th>Career Day</th>
<th>Scientific Symposium</th>
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<tr>
<td><strong>Wednesday 18th November</strong></td>
<td><strong>Thursday 19th November</strong></td>
<td><strong>Friday 20th November</strong></td>
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<tr>
<td>8.30-9.15 Registration</td>
<td>Integrative Omics</td>
<td>Fundamental Biology</td>
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<tr>
<td>9.15-10.00 Opening Ceremony</td>
<td>8.45-9.00 Welcome</td>
<td>8.45-9.00 Welcome</td>
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<tr>
<td>10.00-10.30 Meet the companies</td>
<td>9.00-9.50 Keynote: Frank Holstege</td>
<td>9.00-9.50 Keynote: Wilhelm Huck</td>
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<td><strong>Coffee Break</strong></td>
<td><strong>Poster Session &amp; Coffee Break</strong></td>
<td><strong>Coffee Break</strong></td>
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<td>11.00-13.00 Workshops Career Chats Opportunity Fair</td>
<td>11.20-12.10 Keynote: Cecilia Lindgren</td>
<td>11.20-12.10 Keynote: Judith Campisi</td>
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<td>12.10-12.40 Short talks by PhDs/PostDocs</td>
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<tr>
<td>14.30-16.30 Workshops Career Chats Opportunity Fair</td>
<td><strong>Translational Medicine</strong></td>
<td><strong>Multidisciplinary Research</strong></td>
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<td>14.00-14.50 Keynote: Andrea Crisanti</td>
<td>14.00-14.50 Keynote: Kimberly Bonger</td>
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<td>14.50-15.20 Short talks by PhDs/PostDocs</td>
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<td><strong>Coffee Break</strong></td>
<td><strong>Poster Session &amp; Coffee Break</strong></td>
<td><strong>Coffee Break</strong></td>
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<td>17.00-18.00 Science and Comedy</td>
<td>17.00-18.00 Drinks and snacks</td>
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<td>16.20-17.10 Keynote: Marta Alonso</td>
<td>17.10-18.00 Keynote: Linda Saif</td>
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<td>18.00-18.30 Drinks and snacks</td>
<td>17.10-18.00 Short talks by PhDs/PostDocs</td>
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<tr>
<td><strong>Evening</strong></td>
<td><strong>Pub Talks</strong></td>
<td><strong>Dinner with Speakers</strong></td>
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<tr>
<td><strong>Pub Talks</strong></td>
<td><strong>Dinner with Speakers</strong></td>
<td><strong>Closing Remarks</strong></td>
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Please note that the schedule is subject to minor changes in function of the availability of the speakers.
Maximize your organisation's visibility among an international audience of young researchers and high profile scientists.

Take the opportunity to present job openings and activities to a community of talented young scientists during the Opportunity Fair.

Bring your organisation into public view, thanks to the strong connection between science and outreach activities characterising ENABLE.

Participate in a unique European conference and allow us to cover event-related costs, subsidise travel expenses, and help make our event a great place for exchanging ideas between young scientists and professionals. ENABLE is an EU-funded non-profit initiative.

Have a chance to visit Human Technopole, a thriving research hub that aims to leverage the international and local excellence in life sciences.

Associate your company with an EU-funded non-profit initiative and take the opportunity to work with us toward bridging the gap between science and society and building the future of research.

Why sponsor ENABLE?
Why sponsor ENABLE?

Previous ENABLE Sponsors
## Sponsorship packages

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<tr>
<th>SPONSORSHIP PACKAGE</th>
<th>PLATINUM €3500</th>
<th>GOLD €2500</th>
<th>SILVER €1000</th>
<th>OPPORTUNITY FAIR €100</th>
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<td>Possibility to sponsor a prize for the best poster</td>
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<td>Company mentioned during closing ceremony</td>
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If you wish to discuss the possibility of having a stand or other visibility opportunities, please do not hesitate to contact us. Our team is ready to design a **personalised package** on-demand.