



In photo: UbiCODE PhD fellows exploring Leiden, Netherlands.

ZOOM IN

Training course | LUMC | LEIDEN - NL

Peptide and protein synthesis | Quantitative proteomics

20-24 MAY 2019

Professor Huib Ovaa taught ESRs the basics of peptide and protein chemistry. Our 13 fellows had the opportunity to generate their own activity-based probes tailored to meet their own needs. They experimented various techniques, including automated synthesis, LC-MS, HPLC, SDS-PAGE, fluorescent scanning.

This chemistry course was combined with a proteomics training session with Professor Alfred Vertegaal to experiment with chemical probes generated. Following protein purification procedures using His-tagged molecules, unbiased identification of the enriched proteins was carried out by MS. Students learned how to process raw data using the MaxQuant software and prepared overview figures with Perseus.



In photo: Leiden mills and canals.

Secondment | Dragana Ilic

Max Planck Institute for Experimental Medicine with Dr Marilyn Tirard

AUGUST - OCTOBER 2019 | GÖTTINGEN - DE

Dragana's project (Max Planck Institute Freiburg - Andrea Pichler's lab) aims at understanding the biological function of the ZNF451 family of SUMO2/3 specific E3 ligases. During her three-month internship at the Max Planck Institute for Experimental Medicine in Göttingen at the department for Molecular Neurobiology, Dragana will learn how to work with mice from Dr Marilyn Tirard's expertise. She will generate primary cell cultures from mice tissues and subsequently treat these cells with different drugs to study the importance of ZNF451 SUMO E3 ligases upon stress.



In photo: Max Planck Institute for Experimental Medicine - Göttingen, Germany



In photo: Merck - Darmstadt, Germany

COMING SOON

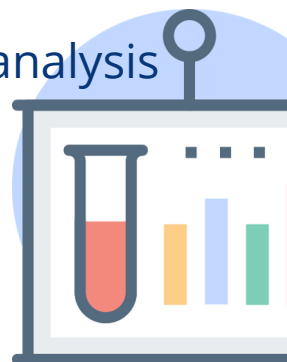
Training course | Ubiquitinome analysis

Goethe Universität Frankfurt & Merck - DE

02-06 MARCH 2020

This course will introduce students to different proteomics technologies used in ubiquitin research. Prof. Ivan Dikic and Dr Kerstin Koch will present the latest development in proteomics technology, including the use of a LUMOS mass spectrometer which enables TMT multiplexing. Dr Teresa Dolt will give students insights into pharmaceutical drug discovery and development through a visit of Merck's industrial research facilities in Darmstadt.

This course will be held in collaboration with the CRC1177 on autophagy (click [here](#) for more information).



NEW : Click [here](#) to register to our mailing list !

JOIN US AT THE EUROPEAN RESEARCHERS' NIGHT

Friday, September 24 - Espacio Fundación Telefónica - Madrid, ES



In photo: Aurora over Europe - © ESA/NASA, 2017.

ABOUT THE EUROPEAN RESEARCHERS' NIGHT

European Researchers' Nights are public events dedicated to bringing researchers closer to the public. They showcase the diversity of research and highlight the impact of research on our daily lives. The aim is also to motivate young people to embark on research careers. The events promote how researchers contribute to our society by displaying their work in an interactive and engaging forum.

From 2018-2019, 55 projects have been implemented in 371 cities across Europe and beyond.

VISIT THE EVENTS ...

...as 1.5 million visitors did in 2018! Learn how research is fighting **cancer**, stopping **global warming**, preventing **hunger and drought**, improving **technology** to assist disabled persons and tackling challenges for **life in space**. Meet researchers and discover the fascinating work of science in a fun and interactive environment – with family, friends, your school or on your own.

For this 2019 edition, our fellow Maria Gonzalez-Santamarta (CNRS-ITAV - Rodriguez' lab) will present UbiCODE and her individual project at the Espacio Fundación Telefónica in Madrid. Come and meet her to find out more about our programme and its interest for the general public !

CLICK HERE FOR MORE INFORMATION ON THE
EVENT IN MADRID !

CHECK OUT THE EU INTERACTIVE MAP FOR
EVENTS CLOSE TO YOU !

SAVE THE DATE !

SYMPOSIUM | Writing and editing the Ubiquitin code

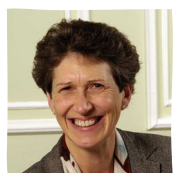
UPV-EHU, CIC bioGUNE, UbiCODE, UBIred, TRIM-NET, CNRS | Bilbao | 26-27 February 2020

Post-translational modifications (PTM) by members of the ubiquitin family are at the heart of almost every biological process, including regulation of protein levels, localization, and quality control. Defects in this protein homeostasis (proteostasis) can result in developmental anomalies and disease. An intricate interplay exists among the ubiquitin-family members, with diverse chains and linkages that constitutes a "ubiquitin code", the full meaning of which is largely unknown. Fundamental research on the ubiquitin code continues to grow, with the pharmaceutical industry taking aim at potential targets in the proteostasis area for novel therapies.

"Writing and Editing the Ubiquitin Code" is a one-and-a-half day symposium that will focus on how the code is written and edited through ligases and proteases, how the different modifications affect cell signaling, and how new technologies can be applied to analyze these modifications. Presentations will cover a wide range of topics, from genome instability and metabolic regulation, to cancer, neurodegeneration and infectious diseases.

Registration and abstract submission [here](#)

KEYNOTE SPEAKERS



SUSAN GASSER
FMI



IVAN DIKIC
Goethe University



BRENDA SCHULMAN
MPG



THOMAS SOMMER
MDC Berlin



MARIA MASUCCI
Karolinska Institute

AND

Germana Meroni Università degli Studi di Trieste IT | **Ugo Mayor** UPV/EHU Bilbao ES
Katrin Rittinger Francis Crick Institute London UK | **Sylvie Urbé** University of Liverpool UK
Oscar Fernández-Capetillo CNIO Madrid ES | **Christine Blattner** KIT Karlsruhe DE
Jordi Torres Rosell Universitat de Lleida ES | **Manuel Rodriguez** CNRS-IPBS Toulouse FR
Nicolas Bidere CNRS-INSERM Nantes FR | **Alessio Ciulli** University of Dundee UK
Carmen Rivas CIMUS Santiago de Compostela ES

SCIENTIFIC COMMITTEE

Yogesh Kulathu MRC-PPU Dundee UK | **Rosa Barrio** CIC bioGUNE Bilbao ES
Rosa Farràs Centro de Investigación Príncipe Felipe Valencia ES | **Ronald T. Hay** University of Dundee UK
Germana Meroni Università degli studi di Trieste IT | **Huib Ovaa** Leiden University Medical Center NL |
Manuel S. Rodriguez CNRS-IPBS Toulouse FR

ORGANISING COMMITTEE

Ugo Mayor UPV-EHU Bilbao ES | **Jose Antonio Rodríguez** UPV-EHU Bilbao ES | **Rosa Barrio** CIC bioGUNE Bilbao ES

PARTNER ORGANISATIONS



CIC bioGUNE



Ubi
CODE

UBI
ORED



SPONSORS



teknovas



Springer



SignalChem



biotechne



Condalab
Inspired by knowledge

UBICODE AT A GLANCE

Last activities

Training session (05)
Peptide and protein synthesis

20-24 May 2019 - Leiden, NL

Introduction to basic organic chemistry and techniques used with special emphasis on peptide chemistry and protein modification

Training session (06)
Mass spectrometry (Quantitative proteomics)

20-24 May 2019 - Leiden, NL

Dissecting signal transduction by Ub and Ubl proteins using MS and bio-informatics

Upcoming events

European Researchers' Night
Maria Gonzalez Santamarta

24 Sept. 2019 - Madrid, ES

Supervisory Board meeting

24-25 Feb. 2020 - Bilbao, ES

Symposium
Writing and Editing the Ubiquitin code

26-27 Feb. 2020 - Bilbao, ES

Training session (04)
Ubiquitinome analysis

02-06 March 2020 - Frankfurt, DE

© Icons by Freepik and Prosymbols
on flaticon.com



NEW : Click [here](#) to register to our mailing list !

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No765445