

Tuesday, 07.05.2024

13:00 – 14:30	Lunch (upon request)
15:00 – 18:00	Registration
16:00 – 18:00	Management Committee (MC) and Core group meeting
18:00 – 18:20	Coffee break
18:20 – 18:30	Opening remarks
18:30 – 19:30	Opening lecture: Marcin Drag (Wroclaw University of Science and Technology, PL) “In search of perfection - the phenomenon of unnatural amino acids”
19:30 – 21:30	Dinner

Wednesday, 08.05.2024**Session 1: Targeting Mitochondria**

Chairs: Michael Clague (University of Liverpool, UK), Ivana Novak Nakir (University of Split, HR)

9:00 – 9:30	Keynote: Paul Thompson (CSO, Mission Therapeutics, UK) “Discovery and development of clinical stage USP30 inhibitors”
9:30 – 9:40	Moiso Nicoleta (De Montfort University, UK) “Mitochondrial proteolysis coordinates mitochondria-nucleus communication and determines cellular fate”
9:40 – 9:50	Sylvie Urbe (University of Liverpool, UK) “E3-ligase and DUB imposed restrictions on alternative mitophagy pathways.”
10:00 – 10:30	Coffee Break

Session 2: Drugs by design

Chairs: Klaudia Brix (Constructor University, DE), Nathalie Vigneron (de Duve Institute, BE)

10:30 – 11:00	Keynote: Galia Blum (The Hebrew University of Jerusalem, IL) "Chemical Tools to Detect and Inhibit Protease Activity for Disease management"
11:00 – 11:10	Heike Laman (University of Cambridge, UK) “Characterization of nanobodies against N-Myc for bioPROTAC development in the treatment of Neuroblastoma.”
11:10 – 11:20	Francesca D'Amico (Leiden University Medical Center, NL) “Developing Chemical Tools towards a Systematic Exploration of the Ubiquitin-like Protein FUBI”
11:30 – 12:30	Open discussion forum on scientific collaborations
12:30 – 13:30	Lunch break
13:30 – 17:00	Excursion

17:00 – 17:30	Keynote: Monique Mulder (Leiden University Medical Centre, NL) “Decoding the Ubiquitin System: Paving the Way for Innovative Therapies”
17:30 – 17:40	Nuray Erin (Akdeniz University, TR) “Targeting the protease BMP-1 enhances anti-tumoral effects of doxorubicin in metastatic breast carcinoma: An effect with common and distinct features of TGF- β inhibition.”
17:40 – 17:50	Thomas Reinheckel (University of Freiburg, DE) “Dipeptidyl-peptidase 9 regulates tumorigenesis and metastasis of breast cancer in a stage-specific manner.”
18:00 – 18:30	Flash talks I
18:30 – 19:30	Dinner break
19:30 – 21:30	Poster session

Thursday, 09.05.2024

Session 3: From bench to bedside

Chairs: Germana Meroni (University of Trieste, IT), Manuel Rodriguez (CNRS, FR)

8:45 – 9:15	Keynote: Esther Sammler (University of Dundee, UK) “Bench to bedside Parkinson's disease: The LRRK2 kinase in healthy and disease”
9:15 – 9:25	Michal Sharon (Weizmann Institute of Science, IL) “Unveiling the Hidden World of Circulating Proteasomes in Blood”
9:30 – 10:00	Keynote: Patrick Vourc'h (Université de Tours, FR) “Contribution of PTM variants to the understanding of motor neuron diseases.”
10:00 – 11:00	Presentation of Patient organizations and Round-table discussion <ul style="list-style-type: none"> • Maciej Cwyl - NBIA Poland Association (PL) • Jean-François Briand – AFMTelethon (FR) • Małgorzata Kosla – PACS2 foundation (PL)
11:00 -11:40	Coffee break

Session 4: Maintaining cellular homeostasis by autophagy

Chairs: Mirta Boban (University of Zagreb, HR), Daniel Taillandier (INRAE, FR)

11:40 – 12:10	Keynote: Hemmo Meyer (University of Duisburg-Essen, DE) “VCP/p97: Unfolding the proteome for cell signalling and homeostasis”
12:10 – 12:20	Gozuacik Devrim (Koç University School of Medicine, TR) “A novel factor controlling cancer-stroma interactions and autophagy”
12:20 – 12:30	Carlos Mario Ayala Torres (Karolinska Institutet, SE) “Regulation of the N-degron recognin-mediated autophagy by the SARS-CoV-2 PLpro ubiquitin deconjugase”
12:45 – 13:00	Flash talks II
13:00 – 14:00	Lunch break

Session 5: Imbalance in quality control

Chairs: Nuray Erin (Akdeniz University, TR), Niki Chondrogianni (National Hellenic Research Foundation, GR)

14:00 – 14:30	Keynote: Nico Dantuma (Karolinska Institute, SE) “Gearing up the ubiquitin-proteasome system in human diseases”
14:30 – 14:40	Ioannis Trougakos (National and Kapodistrian University of Athens, EL) “A systems biology approach to study the proteostatic, mitostatic and antioxidant responses machineries functional integration”
14:40 – 14:50	Annika Meinander (Åbo Akademi University, FI) „Met1-ubiquitination and caspases induce inflammation by protecting the IKK complex from autophagic degradation”
14:50 - 15:00	Pedro Domingos (Instituto de Tecnologia Química e Biológica António Xavier, PT) “Fbxo42-mediated ubiquitination of ataxin-2 modulates Xbp1 signaling”
15:15 – 15:50	Coffee break
15:50 – 16:20	Keynote: Alfred Vertegaal (Leiden University, NL) “Inhibiting SUMOylation to wrestle cancer”
16:20 - 16:30	Daniel Taillandier (INRAE, FR) “MuRF1 invalidation protects skeletal muscles from atrophy but alters liver metabolism”
16:30 – 16:40	Piotr Bragoszewski (Nencki Institute of Experimental Biology, PL) “A switch at the gate: How membrane potential modulates proteolytic quality control of stalled protein import”
16.45 – 16:55	Natalia Szulc (International Institute of Molecular and Cell Biology, PL) “Lysine deserts and cullin-RING ligase receptors: Navigating untrodden paths in proteostasis”
16:55 – 17:05	Laura Merino-Cacho (CIC bioGUNE, ES) “Identification of the substrates of Cullin-RING E3 ligases (CRLs) by BioE3”
17:05 – 17:15	Michael Naumann (University Magdeburg, DE) “ADP-heptose-induced modulation of E3 ligases and deubiquitinylases in Helicobacter pylori-infection”
17:30 – 18:30	Open discussion forum on collaborative project applications
19:20 – 22:30	Conference Dinner

Friday, 10.05.2024

Session 6: Proteolysis driven approaches

Chairs: Ioannis Trougakos (University of Athens, GR), Sylvie Urbe (University of Liverpool, UK)

9:00 – 9:30	Keynote: Michele Vendruscolo (University of Cambridge, UK) “Targeting protein aggregation in neurodegenerative diseases”
9:30 – 9:40	Niki Chondrogianni (Institute of Chemical Biology, EL) “Neuron-specific proteasome activation exerts cell non-autonomous protection against amyloid-beta (A β) proteotoxicity”
9:40 – 10:00	Kathy Skopelitou (Coordination Manager Scientific Services) Presentation of the EU-OPENSREEN project
10:00 – 10:40	Coffee break

10:40 – 10:50	Alice Maiocchi (University of Milan, IT) “Synthesis and structural insight of tubulin-targeting PROTACs based on maytansinol”
10:50 – 11:00	Catherine Lindon (University of Cambridge, UK) “Cellular determinants of AURKA degradation by small molecule PROTACs”
11:00 – 11:10	Corentin Bouvier (CNRS, FR) “How TRIM24 regulates proteasome activity in bortezomib-resistant mantle cell lymphoma cells?”
11:10 – 11:20	Wout Magits (Leuven Center for Cancer Biology, BE) “Proteostatic regulation of the RAS GTPases”
11:30 – 11:45	Award ceremony for best posters and best short talks
11:45 – 12:00	Closing remarks
12:00 – 13:30	Lunch (upon request)