

**23 March, Tuesday – Soft skill** *for ESRs only*

10:00 – 12:00	Dr. Eva Hnátková, University of Chemistry and Technology Prague: - Introduction to Open Science - Background of scholarly communication - Open Access to scientific publications
12.00 – 13.00	Break
13:00 – 16:00	Dr. Eva Hnátková, University of Chemistry and Technology Prague: - Research Data Management and Open/FAIR Data - Open Science in Practice - Open Science in H2020 / Horizon Europe
16:00 – 17:00	Grant writing – discussion (Martin Hof, Jan Sykora)

**24 March, Wednesday –** *for ESRs only*

10:00 – 11:00	Introduction to fluorescence techniques (Martin Hof, Jan Sykora)
11:00 – 12:00	Quantitative Single Molecule localization microscopy - 3D SMLM (dTRABI) (Marek Cebecauer, UFCH)
12:00 – 13:00	Break
13:00 – 14:00	Relating oligomerization numbers to formation of membrane pores (FCS with brightness analysis) (Radek Šachl, UFCH)
14:00 – 15:00	Membrane organization and ion effects studied by fluorescence techniques (Piotr Jurkiewicz, UFCH)
15:00 – 16:00	Protein dynamics seen by fluorescence (Martin Hof, Jan Sykora)
16:00 – 17:00	Final remarks on the fluorescence techniques (Martin Hof, Jan Sykora)

Each contribution will last 30- 40 minutes followed by a discussion.

**25 March, Thursday –**

*for all Proton members*

The ESR contributions are to take 15 minutes at maximum followed by a discussion. Presentations could briefly summarize the achieved results and show the nearest outlook.

9:00 – 9:25	Seonwoo Lee (EPFL) - Dynamic imaging of lipid membrane hydration induced by protons
9:25 – 9:50	Mateu Montserrat (UiO) - Towards the structural characterization of the uncoupling proteins
9:50 – 10:15	Iga Jakóbowska (Intana) - PfFNT-ligand interaction analysis by fluorescence cross-correlation spectroscopy (FCCS)
10:15 – 10:40	Abhinav (UFCH) - Application of time-dependent fluorescence shift in understanding proton transfer in urea channel proteins
10:40 – 11:00	break
11:00 – 11:25	Bingxin Chu (EPFL) - Surface characterizations of Silica Nanoparticles in aqueous under the effect of size and pH
11:25 – 11:50	Nathan Hugo Epalle (CAU) - Investigating proton/carboxylates transporters
11:50 – 12:15	Satyanjan Bharambar Biswal (HUJI) - Water wires in the solvation shell of collagen
12:15 – 12:40	Alejandro Martinez (USAAR) - Permeation mechanism and inhibition of a Malaria formate-nitrite transporter from molecular simulation. System setup.
12:40 – 13:40	Lunch break
13:40 – 14:05	Bhav Kapur (BI) - Potential Proton-Sensing Mechanisms of GPR68
14:05 – 14:30	Stefania Brescia (JKU) - Mechanism of proton conductance through the voltage-gated proton channel Hv1
14:30 – 14:55	Flore Kersten (UiO) - Structural characterization of urea channels and their role in infectious diseases
14:55 – 15:15	break
15:15 – 15:40	Anna Maznichenko (JKU) - Peptide induced changes to the membrane conductivity
15:40 – 16:05	Honey Jain (FUB) - Hv1 in cancer cell membranes
16:05 – 16:30	Iuliana –Marilena Andrei (CNRS) – Self-assembled proton channels- a combinatorial approach for protein mimics.
16:30 – 17:00	break
17:00 –	Advisory board (the members got the Zoom link via Email)

**26 March, Friday –***for all Proton members*

9:00 – 10:00	Prof. Kausik Chattopadhyay (IISER Mohali) – Curious case of membrane-damaging pore-forming toxins: the (w)hole story 40 min. lecture + 15 min. discussion
10:00 – 11:00	Dr. Eva Sevcsik (TU Wien) – Probing the membrane environment of plasma membrane proteins 40 min. lecture + 15 min. discussion
11:00 – 12:00	Prof. Gerhard Gröbner (Umeå Univ.) – Functioning of Bcl-2 proteins at mitochondrial membranes: The role of pH-dependent charges 40 min. lecture + 15 min. discussion
12:00 – 12:30	Concluding remarks, Farewell ceremony