

P1 – QANUC

Tara Sprules

P2 - The Drug Discovery Platform of the RI-MUHC: Applications for NMR, LC-MS and MALDI IMS

Andrée E. Gravel

P3 - Crystal structure of a RHOG-ELMO2 complex reveals a novel RBD domain binding interface with a RHO family GTPase

Chang Hwa Jo

P4 - Structure-based design of small-molecule activators of Parkin

Simon Veyron

P5 - ¹⁵N-Heteronuclear Single Quantum Coherence (HSQC) titration of Galectin 7: comparison between two ligands

Carolina Perusquía Hernández

P6 - A computational approach to cryo-EM initial volume selection

Satinder Kaur

P7 - Biophysical and biochemical characterization of IFIT complex

Zixian Li

P8 - Chaperone disaggregation machinery in mammalian system

Kipunsam Lee

P9 - Characterization of the mitochondrial processing peptidase in Parkinson's disease

Andrew N. Bayne

P10 - Characterizing conformational changes in the Haloduracin Lanthipeptide Synthase (HalM2) by utilizing hydrogen-deuterium exchange mass spectrometry

Yeganeh Habibi

P11 - Clusterin overexpression preferentially affects amyloid- β 40 levels in a cell-culture system

James Eng

P12 - Conformations and stoichiometries of DNA ligases I and III with DNA repair factors PCNA, TDP1, and XRCC1

Aleksandr Sverzhinsky

P13 - Deciphering methylation tailoring in NRPS megaenzymes

Maximilian Eivaskhani

P14 - Developing a family specific molecular docking energy scoring function to accelerate drug discovery

Ilunga Benjamin Matala

P15 - Dissection of the role of presenilins in amyloid- β metabolism

Irem Ulku

P16 - Effects of methylation on transcription factor–DNA binding affinity: a structural dynamics studies

Senthilkumar Kailasam

P17 - Evolutionary divergence of conformational exchange phenomena in a host defense enzyme family

David N. Bernard

P18 - Evolved plasticity of RAS family GTPase interactions with effector binding domains

Swati Singh

P19 - Functional and structural characterization of nickel transporters in *Helicobacter pylori*

Mariem Chalbi

P20 - Functional studies of the human cholesterol transporter ABCG5/ABCG8 in lipid-bilayer nanodiscs

Bala M. Xavier

P21 - Gold nanoparticles induce stress and impair cellular homeostasis

Dana Abou Samhadaneh

P22 - Guiding the morphology of amyloid assemblies by electrostatic capping: from polymorphic twisted fibrils to uniform nanorods

Ximena Zottig

P23 - Identification of promising angiogenin allosteric modulators by screening of a chemical compound library

Myriam Létourneau

P24 - Inhibition, activation, and allosteric interactions of bacterial kinases, revealed by Isothermal Titration Calorimetry (ITC)

Yun Wang

P25 - Investigating the effect of amyloid- β 42 on the nucleocytoplasmic transport

Suleyman Can Akerman

P26 - Laccase identification from the native ligninolytic basidiomycete *Dictyopanus pusillus*

Andres Rueda

P27 - Mass spectrometric investigations of A β 42--oligomer interacting peptide (AIP) in *Drosophila melanogaster*

Adeola Shobo

P28 - Novel cryo-EM computational methods to process highly heterogeneous samples

Swathi Adinarayanan

P29- Quantitative proteomic analysis of the central pair apparatus reveals novel proteins of central pair proteome

Daniel Dai

P30 - Structural and biochemical studies of the chemical mechanism of substrate condensation in linear gramicidin synthetase

Angelos Pistofidis

P31 - Structural and functional investigations of the biosynthetic pathway for bacillamide, a thiazole-containing natural product

Camille Fortinez

P32 - Structural and functional study of membrane transporters of nickel in *Helicobacter pylori*

Imène Kouidmi

P33 - Structure and function of the Parkin co-regulated gene protein

Dylan Pelletier

P34 - Structure of a microtubule inner protein

Corbin Black

P35 - Subdomains and domain-domain allostery: determinants of global conformational dynamics of ABC transporters

Naoto Soya

P36 - TAM complex of *Pseudomonas aeruginosa* and its role in the outer membrane protein biogenesis

Jihen Ati

P37 - The assembly mechanism, structure and function of cilia by cryo-electron microscopy & mass spectrometry

Haruaki Yanagisawa

P38 - The cyclic nucleotide-binding homology domain of the integral membrane protein CNNM mediates dimerization and is required for Mg^{2+} efflux activity

Yu Seby Chen

P39 - The M loop of α - and β -tubulin heterodimers serve as a molecular hinge in doublet microtubule interactions

Ahmad Khalifa

P40 - The structure and function of cyanophycin synthetase

Itai Sharon

P41 - Dissecting the role(s) of a universally conserved protein (KsgA) in the maturation and functioning of 30S ribosomal subunit

Jingyu Sun

P42 - Understanding the role Era in the maturation of 30S ribosome subunit

Dushyant Jahagirdar

P43- Structural and base editing analysis of AtMKK1-AtMPK6 interaction in Arabidopsis

Tim Xing

