

Abstract ID	First name	Last name	Submission title
1	Normand	Cyr	Structural Biology Platform - Université de Montréal
2	Andrey	Grishin	Establishing Thermal Shift Assay for Membrane Proteins at CRBS
3	Haytham	Wahba	Examining the mechanistic evolution of methylmercury degrading enzymes from bacteria originating from different environments
4	Brandi	Kelly	Deciphering the role of doublecortin through competition with microtubule end-binding protein EB3
5	Elias	Kalthoff	Investigating a NRPS siderophore pathway
6	Sabrina	Romanelli	Determining the role of TOM7 in the stabilization of PINK1 on damaged mitochondria
7	Ali	Harake	ZNF24, a newly identified atypical SUMO E3 ligase
8	Léonie	Frigon	Structural and biochemical analysis of the PARP1-homology region of PARP4
9	Stella Jia Ming	Xu	The HSP mRNA trafficking and its implication in neuronal proteostasis
10	Hariz	Nizal	Probing the Kinetics of Small Ligand Binding to Guanine Quadruplexes via NMR
11	Siwei	Chu	Microtubule stabilization instigates cellular senescence in intestinal epithelial cells
12	Mia	Yang	Structural and Functional Studies of Signaling Cascade Regulating Butanol Production in Clostridium acetobutylicum
13	Nicholas	Doak	Characterization of the gammaherpesvirus viral preinitiation complex
14	Melina	Chen	Towards the Structural and Functional Characterization of the LugD NRPS enzyme
15	Srobona	Ghosh	Mechanistic and structural study of gamma-poly-glutamate synthetase
16	Alexandra	Hughes-Goyette	Structural Characterization of Single Module Non-Ribosomal Peptide Synthetase IndC
17	Anirudh	Mantri	Structural and functional understanding of IkaA - A PKS-NRPS hybrid system
18	Mark	Hemmings	Structural Studies of Non-Canonical Aminoglycoside Binding Modes
19	Christopher	Hennecker	Characterizing covalent inhibition by isothermal titration calorimetry
20	Emma	Lee	Regulation of CNM magnesium transport by the small GTPase ARL15
21	Emma	Kelly	Fungal mannan cell wall synthesis proteins: A structural investigation
22	Timothy	Ho	Structural and Functional Studies of Integral Membrane Nonribosomal Peptide Synthetases
23	Margaryta	Babych	Strategic design of helical-constrained peptides to elucidate the molecular mechanisms of amyloid self-assembly.
24	Chuyang (Amos)	Zhang	Systematic studies on concerted flanking i-motif structures
25	Lynn Samira	Yamout	Development of a new high-resolution, high-throughput nucleic acid polymerase blockage assay
26	Kais	Bietar	Assessing the biocompatibility and subcellular interactions of lanthanide-doped upconverting nanoparticles in kidney epithelial cells
27	Thomas	Hansen	Recognizing adhesin domains that bind bacteria to the surfaces they colonize
28	Tianxiao	Yang	DNA nanocage biosensors of overexpression for the direct repair protein hAGT
29	Shani	Leyva-Camacho	Role of host factors in Tn7 transposition
30	Reilly	Pidgeon	Discovery of a Urolithin A-Producing Operon in Gut Bacteria
31	Javier	Rodriguez Gonzalez	The cryo-EM structure of Rad1-Rad10-Saw1 sheds light on its recruitment and activation mechanism in single-strand annealing
32	Natalia	Fernandes Frota Oliveira	High-throughput bioengineering of nonribosomal peptide synthetases
33	Curtis	Ehlert	Structure-Function Analysis of RBP7910: An Editosome Z-Binding Protein in Trypanosomatids
34	Guanyu (Chris)	Wang	A naturally occurring G11S mutation in the 3C-like protease from the SARS-CoV-2 virus dramatically weakens the dimer interface
35	Frédérique	Bérubé	Elucidating the structural intermediates mediating the nucleation of amyloid formation by constrained conformational substitutions
36	Caroline	Knorn	Structural and Functional Insights of Phosphatase of Regenerating Liver
37	Justin	Meneses	HIV-1 Maturation Inhibitors and Packaged Inositol Phosphates
38	Adwaith	Bini Bose Uday	Allosteric regulation of 20S proteasome core particle from Mycobacterium tuberculosis
39	Marine	Salze	Purification of a FP-G12/13 complex for structural biology
40	Tara	Shomali	Development of tool compounds for human PINK1 in the treatment of Parkinson's Disease
41	Elise	Rouleau-Turcotte	Unraveling PARP inhibitor effects on PARP1 allostery
42	Fanfan	Li	Characterizing CrMATE1, a vacuolar importer of secologanin in Madagascar periwinkle
43	Regina	Strakhova	In-Cell NMR surveillance of oncogenic RAS signaling networks
44	Tanaka	Mutsayi	Novel interactors of the +TIP body contribute to its material properties and function in budding yeast.
45	Éric	Barbeau	Effect of ligands on the thermostability of the prostaglandin transporter
46	Sean	Moore	Investigating +TIP Body Symmetry Breaking in Mitosis
47	Julian	Wagner	Deep mutational scanning of the PAM2/MLLE interaction
48	Benjamin	Rudski	Just average: Constructing a 3D digital anatomical atlas of the human distal femur
49	Mohamed	Ali	Investigating the role of acetylation of LC3-family proteins in regulating autophagy
50	Nadjib	Kihal	Harnessing the Terminal Capping of Self-assembling $\beta$ -peptides to Elucidate the Molecular Basis of Toll-Like-Receptor Activation by Amyloid Fibrils
51	Florencia	Fungo	Lipid peroxidation in bacteria as seen with new eyes: A friend or foe?
52	Thomas	DesCôteaux	NRGDock: Structure-based ultra-massive high-throughput virtual screening
53	Jing	Yu	Structural basis of Sema3E-PlexinD1 recognition
54	Arianna	Giurleo	Identifying Key Bacterial Enzymes Responsible for Polyphenol Metabolism and Urolithin Production
55	Nadja	Finkel	Structural characterization of the iterative fungal NRPS SidD
56	Rebecca	Cummer	Synthesis and evaluation of IT3S3 as a therapeutic against Clostridioides difficile toxin
57	Marie-Ève	Picard	Structural characterization of a methyltransferase involved in the biosynthesis of juvenile hormone in insects
58	Vivian	Zhang	NRPS Reprogramming by Manipulating the T:C Interface
59	Andrew	Bayne	Tom20 gates PINK1 activity and mediates its tethering of the TOM and TIM23 translocates upon mitochondrial stress