

1. Protein Dynamics and Function				
	Submission ID	Title	Main Author	
1	331868	Impact of Glycosylation on the Structural Dynamics of the Dengue Virus Serotype 2 Envelope Protein	Filippo de Oliveira Barbosa	
1A	331106	MODELING THE EFFECT OF CALPAIN ON DORSAL-VENTRAL AXIS PATTERNING IN DROSOPHILA MELANOGASTER	Matheus Rodrigues	
2	330991	Reconstructing Protein Evolution: Converting HIUase into a Transthyretin-like Transport Protein	Ana Gabrielle Batista de Melo	
3	330977	Identification and structural characterization of a Fatty Acid-Binding Protein from Leishmania amazonensis	Roberto Kopke Salinas	
3A	330974	BIOPHYSICAL COMPARISON BETWEEN THE 5-HYDROXY-ISOURATE HYDROLYASE (HIUase) ENZYME FROM Herbaspirillum seropedicae AND A NEW FORM MODIFIED BY EVOLUTION-BASED PROTEIN ENGINEERING	Pedro Campos Carvalhaes Reis	
4	330972	INTERACTION STUDY OF THE POLYANIONS HEPARIN AND ENOXAPARIN WITH THE CORE DOMAIN OF HRSV M2-1	Caroline Santezi	
5	330961	CHARACTERIZATION OF THE INTERACTION BETWEEN HUMAN GALECTIN-3 AND SULFATED GLYCOSAMINOGLYCANS	Beatriz Prado Lopes	
5A	330958	Biophysical Studies and Challenges in Uric Acid Catabolism Pathway Enzymes	Ana Carolina S Batista	
6	330951	Initial analysis of metadata on the interaction of drugs with human and bovine albumin.	Marinônio Lopes Cornélio	
7	330944	ZEBRAFISH'S URICASE OXIDASE PRODUCTION OPTIMIZATION	Pedro Rachman Viegas	
7A	330938	Structural dynamics of fusion and transmembrane domains of the SARS-CoV-2 spike protein via molecular dynamics simulations	Eduarda de Almeida Pinto Maia	
8	330934	COMPARATIVE ANALYSIS OF THE INTERACTIONS BETWEEN THE MONOCLONAL ANTIBODY NIRSEVIMAB AND ITS DERIVED PEPTIDE WITH THE PREFUSION F PROTEIN OF hRSV SUBTYPES A AND B	Renan Pereira Pedro	
9	330928	Genetic Diversity and Adaptation of Mayaro Virus (MAYV) to Different Hosts: Computational Analysis of Mutations in the nsP1 protein	Evelyn Rayani Dias de Araujo	
9A	330924	INVESTIGATING THE ROLE OF THE PROTEASE DOMAIN IN NSP2 HELICASE FUNCTION IN CHIKUNGUNYA VIRUS	Matheus Fernandes Bittencourt	
10	330922	THE ROLE OF ELECTROSTATIC MECHANISMS IN THE ADSORPTION OF CYTOCHROME C AND LYSOZYME WITH INSIGHTS INTO PROTEIN-PROTEIN INTERACTIONS	Ricardo Belarmino de Souza Júnior	
11	330920	ASYMMETRIC DOMAIN MOBILITY IN PSEUDOMONAS AERUGINOSA GLMS REVEALED BY MOLECULAR SIMULATIONS	Ana Carolina Silva Bulla	

11A	330919	ROLE OF ELECTROSTATIC INTERACTIONS IN LYSOZYME ADSORPTION ONTO CHARGED PLANAR SURFACE	Dante Arroyo Anhesini	
12	330918	USE OF <i>Amyntas gracilis</i> HEMOGLOBIN AS A POTENTIAL BIOSENSOR FOR ENVIRONMENTAL CONTAMINATION	Rodolfo Osin de Moraes	
12A	330914	VENOMIC ANALYSIS OF THE LIZARD FROM GUATEMALA HELODERMA CHARLESBOGERTI (CAMPBELL & VANNINI, 1988), A GENOMIC-AID PROTEOME	Daniel Fernando Reyes Enríquez	
13	330843	BIOPHYSICAL STUDIES OF STRUCTURAL ALTERATIONS INDUCED BY SDS IN THE HEMOCYANIN OF MACROBRACHIUM ACANTHURUS	EDSON MIGUEL VILANCULO	
14	330840	Biophysical characterisation of a Plasmodium Falciparum GRASP protein	Felipe de Abreu Sodré Brandão	
14A	330838	IN SILICO STUDIES OF NULL GRASP55 AND PHOSPHORYLATED-GRASP55 INTERACTIONS WITH MATRIX METALLOPROTEINASE 2 (MMP2) and INTERLEUKIN-1 β (IL-1 β)	Iasmin Cartaxo Taveira	
15	330835	Thermodynamic characterization between encounter complex and saturated bound state of the cdM2-1/P90-110 interaction of hRSV	Isabela Brunozi de Oliveira	
16	330832	In silico approaches to increase selectivity of sugar transporters from Trichoderma reesei for xylose	Iasmin Cartaxo Taveira	
16A	330763	EFFECT OF LIPID COMPOSITION AND CALCIUM IONS ON THE STRUCTURE AND FUNCTION OF SARS-CoV-2 FUSION PEPTIDES	Miguel Eduardo Salazar Aurich	
17	330756	PH-DEPENDENT CONFORMATIONAL CHANGES IN GRB2 MONOMER REVEAL DIFFERENT BINDING SITES FOR COUMARIN: AN INSIGHT FOR SMALL MOLECULE DRUG DISCOVERY	Fernando Alves Melo	
18	330751	IN SILICO ASSESSMENT OF THE ZONOTIC POTENTIAL OF CANINE INFLUENZA VIRUS (CIV) THROUGH MOLECULAR MODELING AND DYNAMICS	Ágatha Carvalho Oliveira das Dores	
18A	330724	ADVANCED MICROSCOPY TECHNIQUES REVEAL THE ROLE OF BCLAF1-PTK2 NUCLEAR CONDENSATES IN CARDIOMYOCYTE SURVIVAL DURING OXIDATIVE STRESS	Aline Mara dos Santos	
19	330723	Myosin Va modulates FAK localization and trafficking	Andre Thomaz	
20	330712	OPEN ACCESS FACILITY FOR HIGH-QUALITY PROTEIN PRODUCTION	VALERIA SCORSATO	
21	330475	CRAC CHANNEL PROTEINS IN Tribolium castaneum: A FUNCTIONAL PERSPECTIVE FROM RNA IN SITU HYBRIDIZATION	Nadine Lobo	
21A	330460	ANALYSIS OF THE RATTLESNAKE CROTALUS DURISSUS (LINNAEUS, 1758) INDIVIDUAL VENOMS FROM DIFFERENT BIOGEOGRAPHIC REGIONS (SERPENTES: VIPERIDAE)	Loyani Barreto Gonçalves	
22	330457	BEYOND BINDING: THE CDR EFFECT ON INTER-CHAIN INTERACTIONS OF MONOCLONAL ANTIBODIES	Amauri Donadon Leal Junior	
23	330452	EXHC FROM MAMMALIICOCCUS SCIURI: METABOLIC OUTCOMES OF INDUCED CELLULAR NECROSIS	Luís Eduardo de Almeida Passos Cerbino	

23A	330448	EXPLORING DNA INTERACTION AND CROSS-REACTIVITY OF RSS-SENSITIVE ArsR REGULATORS IN <i>Vibrio cholerae</i> AND OTHER PATHOGENS	Mayra Gimena Parente	
24	330437	PROTEOSTASIS IN ACIDOPHILES: DIFFERENTIAL EXPRESSION OF PROTEASES AND FUNCTIONAL ROLE OF LON1 UNDER STRESS CONDITIONS	Javiera Acevedo Arbunic	
25	330407	BIOCHEMICAL, FUNCTIONAL, AND REGULATORY CHARACTERIZATION OF THE FIRST KNOWN GLYCOGEN PHOSPHORYLASE INDEPENDENT OF THE PYRIDOXAL 5'-PHOSPHATE COFACTOR FROM THE METHANOGENIC ARCHAEON METHANOCOCCUS MARIPALUDIS.	Nicolás Herrera-Soto	
25A	330363	ASSESSMENT OF THE W293A MUTATION IN THE μ -OPIOID RECEPTOR USING MOLECULAR DYNAMICS SIMULATIONS	Diniz Maciel de Sena_Jr	
26	330362	BLIND DOCKING SIMULATIONS WITH AUTODOCK TOOLS AND VINA: A STUDY ON THE REPRODUCTION OF EXPERIMENTAL CRYSTAL STRUCTURES	Guilherme Justiniano Mizumoto	
27	330326	SEARCHING CONFORMATIONS FOR THE AMYLIN PEPTIDE: REPLICAS EXCHANGE SIMULATIONS AND COMPARISON WITH THE EXPERIMENT	PEDRO TENDRIH SODRE	
27A	330321	DODECAMERIC ASSEMBLY AND ACTIVITY OF AEDES AEGYPTI RUVBL1/2 REVEALED BY CRYO-EM AND BIOPHYSICAL STUDIES	Larissa Machado Antonio	
28	330308	DYNAMIC PROPERTIES OF THE DENGUE VIRUS CAPSID PROTEIN BOUND TO NUCLEIC ACID THROUGH INVISIBLE STATES	Gabriela Rocha de Araújo	
29	330304	Biophysical Insights of Hsp40's interaction with alpha-synuclein	Jéssica Andrade Tedesco	
29A	330300	Unveiling the Molecular Mechanisms of Grb2 Phase Separation	Raphael V. R. Dias	
30	330297	Introducing MSTBx v0.5: Integrating Automated Biomolecular Assembly and AI-Guided Proteome Modeling	Georcki Geor Dano Ropón Palacios	
31	330294	Exploring the Dynamics of Dengue Virus Envelope Protein by Temperature and pH Variations	Georcki Geor Dano Ropón Palacios	
31A	330282	CONFORMATIONAL FLEXIBILITY OF GRB2 AS A KEY FACTOR IN THE STABILITY AND REGULATION OF ITS INTERACTION WITH SOS1	Ingrid Bernardes Santana Martins	
32	330281	CONFORMATIONAL DYNAMICS OF ANCESTRAL THID-HMPK ENZYMES FROM MESOPHILIC AND THERMOPHILIC BACTERIAL LINEAGES	Isaac Cortés Rubilar	
32A	330272	CONFORMATIONAL CHARACTERIZATION OF TMEM176B ION CHANNEL FOR DIFFERENT OLIGOMERIC STATES AND UNDER DISTINCT PH CONDITIONS	Yolanda Maria Barros Marcello	
33	330270	CONFORMATIONAL EQUILIBRIUM AND WATER DESOLVATION DELINEATE THE ENCOUNTER COMPLEX BETWEEN SARS-COV-2 N-TERMINAL DOMAIN OF NUCLEOCAPSID PROTEIN AND RNA.	Peter Reis Bezerra	
34	330266	Charge Regulation Effects on Peptide Adsorption on Charged Surfaces	Pedro Yuji Yashima	
34A	330262	DECIPHERING THE CONTRIBUTION OF TYPE 1 COPPER CENTERS TO THE BIOPHYSICAL PROPERTIES ON A THREE DOMAIN NITRITE REDUCTASE	Joaquín I Puchol	

35	330251	Identification of distinct structural conformations of PPAR γ from CRYO-EM maps using a shotgun molecular dynamics flexible fitting and normal mode analysis (MDFF-NM) approach	Layla Alves Rodrigues da Silva	
36	330218	Cryo-electron microscopy structures of human Kir2.1 potassium channel and molecular dynamics simulations provide insight into its gating mechanism and the impact of disease-related mutants	Carlos A. H. Fernandes	
36A	330217	IN VITRO AND IN SILICO INVESTIGATION OF A POLIMERYZING DUF724 PROTEIN DOMAIN FROM ARABIDOPSIS THALIANA	Italo Augusto Cavini	
37	330212	BIOPHYSICAL AND STRUCTURAL ANALYSIS OF A RECOMBINANT HUMAN HSP70 ISOFORM	Rebeca Cristian Victor Morada	
38	330211	Visualizing RPE65 Peptide-Membrane Interactions Using the Energy Landscape Visualization Method (ELViM)	Juliana Bueno de Camargo	
38A	330202	ABERRANT PROTEIN CONDENSATES OF FUSED IN SARCOMA AND ANNEXIN A11: IMPLICATIONS IN AMYOTROPHIC LATERAL SCLEROSIS	Kevin Felipe Simões	
39	330198	Computational modeling of mimetics of antigen-binding fragments targeting the conserved ectodomain region of the hRSV G protein	Wan Suk Augusto Mazucato	
40	330184	PIONEERING GOLGIN PURIFICATION AND THE FIRST EXPERIMENTAL EVIDENCE OF COILED-COIL PRESENCE	Igor dos Santos Pedriz	
41	330176	INTERACTION STUDY BETWEEN ACAP3 AND SEPT6-SEPT7 HETERODIMERIC COILED COIL	Aline da Silva Chideroli	
41A	330162	BRAZILIAN VARIANTS OF THE SARS-COV-2 VIRUS: AN ANALYSIS OF THE EFFECT OF MUTATIONS ON SPIKE-ACE2 INTERACTIONS	Isabelle Alves Pereira	
42	330159	EFFECTS OF GLUCOSE AND MANNOSE DERIVED FROM BIOMASS DEGRADATION ON CEL7A INHIBITION	Ander Francisco Pereira	
43	330133	LABORATORY OF BIOASSAYS (LBE): A MULTIDISCIPLINARY PLATFORM FOR AUTOMATED BIOASSAYS AND BIOPHYSICAL STUDIES IN LATIN AMERICA	Bárbara Carvalho dos Reis	
43A	330124	Investigating the impact of amyotrophic lateral sclerosis-associated mutation in annexin A11 protein	Isadora Bezerra Bessa	
44	330122	Recombinant production and detailed structural characterization of hMPV M2-1 core domain	Matheus Zaniboni Luiz	
45	330074	PREDICTION OF THE TERTIARY STRUCTURE OF THE PROTEOME OF THE ROCIO AND ILHÉUS FLAVIVIRUSES	Luís Gustavo Fávaro Crespi	
45A	330065	STRUCTURAL AND FUNCTIONAL ROLES OF THE ZINC-BINDING DOMAINS IN HUMAN DNAJA1	Gabriel Rodrigues Martos	
46	330061	THE HISTIDINE KINASE VraS INTERACTS WITH VANCOMYCIN AND AMPICILLIN THROUGH ITS MEMBRANE-ANCHORED N-TERMINAL DOMAIN	Melani Peralta	
47	329900	CHARACTERIZATION OF FUNCTIONAL HETEROMERIC AMYLOID FILAMENTS FORMED BY HUMAN NEUROPEPTIDES	Jessica Oliveira Viana	

47A	329848	COMPARATIVE ANALYSIS OF CONFORMATIONAL STABILITY AND ENZYMATIC ACTIVITY OF L-ASPARAGINASE TYPE II BIOSIMILARS FROM Escherichia coli	Luisa Melo Reis	
48	329769	Comparative Analysis of hRSV and hMPV M2-1 Structural Dynamics via Molecular Dynamics Simulations	João Victor Piloto	
49	329746	Evolution-based Protein Design: Reverse Engineering Transthyretin for Hyperuricemia Therapeutic Applications	Gabriel Portwood	
49A	329696	TOWARD UNDERSTANDING SMCENTRIN: STUDY OF OLIGOMERIZATION MECHANISMS, FILAMENT FORMATION DYNAMICS AND INHIBITORS ACTIONS	Almerita Guimarães Lopes	
50	329654	COMPARATIVE BIOPHYSICAL AND BIOCHEMICAL CHARACTERIZATION OF TWO E. coli L-ASPARAGINASE II (EcA2) VARIANTS	Anna Catharinna da Costa Novaes	
51	329647	IDENTIFICATION OF RIBOSOME ASSEMBLY FACTORS INVOLVED IN SMALL SUBUNIT BIOGENESIS IN TRYPANOSOMA BRUCEI	Gustavo Guadagnini Perez	
51A	329569	VIRAL ENTRY PROTEINS BEYOND SPIKE: DIVERSITY, EVOLUTION, AND FUNCTIONAL CONVERGENCE ACROSS VIRUS FAMILIES	Pâmella Cristina Soares Santana	
52	329544	BIOPHYSICAL AND BIOCHEMICAL CHARACTERIZATION OF NtRH35: A SPLICING-RELATED Nicotiana tabacum HELICASE	Lucas Rafael Oliveira Santos Eugênio	
52A	329453	MODULATION OF DDX3X ENZYMATIC FUNCTIONS BY DIVALENT CATIONS	Felipe Zanghelini Benevenuto	
53	329442	Amphipathic helix formation via N-terminal acetylation underlies Grh1 membrane anchoring	Mayra Tamires Santos Silva	
54	329436	BIOPHYSICAL STUDIES OF THE INTERACTION OF THE ANCESTRAL AND VARIANT SARS-COV-2 SPIKE PROTEIN WITH SILVER NANOPARTICLES ASSOCIATED WITH THE FLAVONOID HESPERETIN	Giulia Viana	
54A	329369	HSP70 FUNCTIONS AND DYNAMICS IN HEAT-SHOCKED AND HYPOXIA HUMAN ENDOTHELIAL CELLS	Thaís L. S. Araujo	
55	329308	Application of Classical and Quantum Mechanics Methods for Structural and Dynamical Analysis of the Cellular Prion Protein (PrPC) with Potential Molecular Targets	Nathália dos Santos Faria	
56	329274	UNDERSTANDING THE CONFORMATIONAL LANDSCAPE OF APO CALX-CBD12 VIA STRUCTURE BASED MODEL WITH GAUSSIAN POTENTIAL	Larissa Maria Ferreira Adolfo	
56A	327962	Frustration Drives the Folding Dynamics of Repeat Proteins	Murilo Sanches	
57	327849	CHIRALITY TRANSFER TO NANOCRYSTALS BY PROTEINS, DESIGNED PEPTIDES, AND AMINO ACID TEMPLATES	Iseli Lourenço Nantes	
58	327265	Structural Dynamics and Residue-Specific Interactions Govern Ammonia Transport in AMT/MEP Transporter Variants	Anacleto Silva de Souza	
58A	334039	EXPLORING THE FOLDING ENERGY LANDSCAPE OF LEPTIN : A PIERCED LASSO-TOPOLOGY PROTEIN	VICENTE CHRISTIANO FILHO	

2. Biomembranes				
	Submission ID	Title	Main Author	
59	330995	Membrane fission caused by lipid photooxidation	ADRIANO MARCHINI RODRIGUES PUERTA DA SILVA	
60	330994	Fusion of lipid-mimetic membranes in the absence of proteins: Investigating the impact of asymmetry, lipid domains, and oxidized lipids	Gabriela Davilla	
61	330982	PH-DEPENDENT MODULATION OF PEPTIDE-MEMBRANE INTERACTIONS: A STUDY OF HISTIDINE-SUBSTITUTED MP1 ANALOGS	Thiago de Lucca Almeida Lima	
61A	330950	Impact of Lipid Composition on LL-37 Interaction with Gram-Negative Bacterial Membrane Models	Diane C.A. Lima	
62	330949	THE IMPACT OF LIPID COMPOSITION ON LL-37 INTERACTION IN GRAM-NEGATIVE MEMBRANE MODELS	Diane C.A. Lima	
63	330935	Impairment of membrane fusion promoted by iron(III) compounds: novel antiviral strategies against SARS-CoV-2	Vanessa Leal Henriques	
63A	330912	STUDIES OF THE SURFACE ACTIVITY OF T1CA TEMPORINE IN MEMBRANE MODELS	Fabio da Silva Santos	
64	330906	Molecular Interactions Between Curcumin and Model Cell Membranes	Laura Ribeiro	
65	330895	Biomolecular condensates as potential carriers of pharmacological molecules	Matheus de Almeida	
65A	330873	CARDIOMYOCYTE ELECTROPHYSIOLOGICAL PARAMETERS OF THE FRUIT BAT ARTIBEUS LITURATUS	Júlia Guimarães Mendes Alves	
66	330863	EXPLORING THE SYNERGISTIC INTERACTION OF POLYBIA-DERIVED ANTIMICROBIAL PEPTIDES WITH MODEL FUNGAL MEMBRANES.	Larissa Villas Boas Ciorlin	
67	330829	Extracts from Helenium aromaticum and Orthopterygium huaucai as potential antimycobacterial agents	MARCOS JOEL HERNÁNDEZ PEÑA	
67A	330820	IMPROVING THE METHOD TO MAKE SYMMETRIC AND ASYMMETRIC GUVS TO AVOID CHOLESTEROL CRYSTALS	Guilherme Pinheiro	
68	330812	Investigating the formation of patterns in lipid bilayers with the coexistence of liquid phases	Pedro Henrique Lemos de Oliveira Gurgel	
69	330722	INVESTIGATING THE EFFECT OF METALLIC NANOPARTICLES (M-NPS) ON MODEL LIPID MEMBRANES	Ana Paula Godinho Lima de Oliveira	

69A	330656	INSIGHTS FROM THE INTERACTION BETWEEN NANOPARTICLES AND LIPID BILAYERS MIMICKING HEALTHY AND UNHEALTHY CELL MEMBRANES.	Giovanna Stelzer	
70	330616	Application of a Computational Clustering Approach (DBSCAN) to Detect and Characterize Lipid Rafts in Lipid Bilayer Molecular Dynamics Simulations	Milena dos Santos Alvarenga	
71	330605	Exploring Structural and Functional Aspects of the CRAC Channel in <i>Ascaris lumbricoides</i>	Yhony Sumari Misaico	
71A	330587	MOLECULAR DYNAMICS STUDY OF POLYBIA-MP1 ADSORPTION AND MEMBRANE PERTURBATION IN CANCER-MIMETIC BILAYERS	Thaísa Joanna Uzan	
72	330492	A BP100 Peptide Dimer is More Efficient Than the Monomer for Permeabilizing Model Membranes	Tarcillo Gaziri	
72A	330481	THREE DIMENSIONAL RECONSTRUCTION OF PHASE OBJECTS VIA DEFOCUSING MICROSCOPY	José Maria Caquito Júnior	
73	330456	LEARNING FORCE FIELD PARAMETERS FROM DIFFERENTIABLE MOLECULAR DYNAMICS	Vinicius Firmino dos Santos	
74	330335	QUATSOME-ENCAPSULATED SILVER NANOPARTICLES AS SERS SUBSTRATES FOR PYRENE AND PRODAN	Renato Cezar Peramezza Ribeiro	
74A	330334	PREPARATION AND STRUCTURAL ANALYSIS OF QUATSOME-ENCAPSULATED SILVER NANOPARTICLES FOR SERS CHARACTERIZATION OF 2-ETHYLANTHRAQUINONE	Jhenifer Hallen Braga Mauricio	
75	330318	Influence of the Lipid Headgroup Composition on the Binding of the Antimicrobial Peptide BP100	Domenico Riolfi Barzotto	
76	330312	Mechanically-Induced Remodeling of Cell Surfaces: A Pathway for Tunneling Nanotube-like Protrusions	Juliana Soares de Sá Mendonça Pinto	
76A	330302	MPX INDUCES NECROSIS IN MELANOMA, BUT NOT IN MELANOCYTES	Amanda Sansone Semerdjian	
77	330263	MATRIX VESICLES AND CULTURE MEDIA VESICLE (EXOSOME): A COMPARATIVE STUDY OF GROWTH PLATE MINERALIZATION AND ECTOPIC CALCIFICATION	Maryanne de Melo	
78	330242	A DYNAMIC MODEL FOR LIPIDIC VESICLES WITH AUTOCATALYTIC REACTIONS	Ismael Acosta	
78A	330189	Development of Proteoliposome-Based Matrix Vesicle Models for Investigating the Protein Corona Role in Biomineralization	Mariana Figueiredo de Oliveira	
79	330182	STRUCTURAL TRANSITIONS IN PHOSPHOLIPID VESICLES INFLUENCED BY RHAMNOLIPIDS: EFFECTS OF CHARGE AND BILE SALTS	Giuliana Valentini	
80	330152	THE INFLUENCE OF CHOLESTEROL AND ORDERED PHOSPHATIDYLSELINE ON THE LIPID PACKING FOR MODELS OF THE CYTOPLASMIC LEAFLET OF THE PLASMA MEMBRANE.	Igor da Silva Oliveira	
81	330147	STUDY OF SPHINGOMYELINASE EFFECT IN MIMETIC MODEL OF LIPID BILAYER	Juliana do Rosário Silva de Sousa	

81A	330143	THE INTERACTION OF QUERCETIN, ASCORBIC ACID, AND TANNIC ACID WITH A POPC BILAYER INVESTIGATED THROUGH MOLECULAR DYNAMICS SIMULATIONS	Paulo Henrique Borges Ferreira	
82	330138	PROTEOMIC SHIFTS IN MATRIX VESICLES ACROSS OSTEOBLAST DIFFERENTIATION	Juçara Gastaldi Cominal	
83	330130	Mucoadhesive gold nanoparticles enhance the binding of antiparasitic acetogenins to protozoa membrane models	Matheus Elias Rosa	
83A	330071	ANION EFFECTS ON THE MICELLIZATION OF A ZWITTERIONIC SURFACTANT	Matheus Pires Cortez	
84	330062	Ionizing Radiation Reduces Mineralization Without Inducing Cell Death: A Possible Silent Damage in Bone Formations	Iara Souza Lima	
85	329760	PROPERTIES OF MODEL MEMBRANES CONTAINING GLYCOLIPIDS	Maria Clara Araujo Oliveira	
85A	329526	EVALUATING MARTINI 2 AND MARTINI 3 FORCE FIELDS FOR LIPOPOLYSACCHARIDES AGGREGATES	Eduardo Ribeiro Almeida	
86	329495	Sphingomyelinase inhibitor affects the recruitment of alkaline phosphatase in matrix vesicles	Larwsk Hayann	
87	329476	Phase Separation of the Arabidopsis thaliana Glycine-rich Protein AtGRP2	Giovanna Melo	
87A	329471	SPHERE-TO-ROD TRANSITION IN IONIC MICELLES EXPLORED THROUGH FLUORESCENCE ANISOTROPY AND FRET	Kawanny Maria Martins Costa	
88	329389	INTERACTION OF NOVEL INTRAGENIC ANTIMICROBIAL PEPTIDES WITH BIOMIMETIC BACTERIAL MEMBRANES	Mariana Silva e Silva de Oliveira	
89	328146	FROM CELL TO MEMBRANE MIMETIC MODEL: BIOPHYSICAL AND CATALYTIC ROLE OF PHOSPHO1 IN MATRIX VESICLE BIOGENESIS	Luiz Henrique da Silva Andrilli	
89A	334041	INVESTIGATING THE MECHANISM OF ACTION OF THE SYNTHETIC PEPTIDE E-MP1 ON BACTERIAL MEMBRANE MODELS THROUGH MOLECULAR DYNAMICS AND CONSTANT PH SIMULATIONS	Pedro Henrique Favaro Fuzari	
3. Drug design and delivery				
	Submission ID	Title	Main Author	
90	331399	DEVELOPMENT OF LIPID NANOPARTICLES CONTAINING β CARYOPHYLLENE AND PACLITAXEL FOR THE TREATMENT OF BREAST CANCER	Gabriela Geronimo	
91	330993	COMPUTATIONAL ANALYSIS OF MARAVIROC ANALOGUES AS CCR5 MODULATORS IN COLORECTAL CANCER	Greiciele Pereira Mendes	
91A	330985	STRUCTURAL INVESTIGATION OF GRR1 AS A KEY COMPONENT IN ANTIFUNGAL TARGET PROTEIN DEGRADATION	Mateus Oliveira	

92	330966	PREPARATION AND PHYSICOCHEMICAL CHARACTERIZATION OF THERMOSENSITIVE LIPOSOMES FOR ANTIBODY DELIVERY	Ana Livia de Carvalho Bovolato	
92A	330964	THEORETICAL STUDIES, SYNTHESIS AND CHARACTERIZATION OF PALLADIUM (II) AND PLATINUM (II) COMPLEXES WITH LIGANDS DERIVED FROM PYRENE AND THIOSEMICARBAZONES	Pamela Aparecida Candido	
93	330954	SERICIN-HYALURONIC ACID HYDROGELS FOR GLYCYRRHIZIC ACID RELEASE TARGETING OSTEOARTHRITIS DISEASE	Luna Pavanelli da Silva	
94	330929	Development of chitosan-coated polydopamine nanoparticles for skin delivery applications	Iasmin Ferreira de Araujo	
94A	330909	Computational Design of Miniproteins Targeting an NRAS-Derived pMHC Complex	Elton José Ferreira Chaves	
95	330898	ENCAPSULATION IN NANOSTRUCTURED LIPID CARRIERS ENABLES CONTROLLED RELEASE AND ENHANCES ANTITUMOR ACTIVITY OF GREEN PROPOLIS DERIVATIVES	Wallance Pazin	
96	330888	ENHANCEMENT OF ARTEPILLIN C ENCAPSULATION EFFICIENCY IN NANOSTRUCTURED LIPID CARRIERS (NLCS) USING EMULSION-ULTRASONICATION METHODOLOGY	Julia dos Santos Cabral	
96A	330858	LIPID NANOCAPSULE-LOADED HYDROGEL FOR SUSTAINED BUCCAL ANESTHESIA: CO-ENCAPSULATION OF BENZOCAINE AND EUGENOL	MARIA FERNANDA PACHECO DA SILVA	
97	330561	BIOPHYSICAL CHARACTERIZATION OF GLYCOSAMINOGLYCAN BINDING TO THE N-TERMINAL REGION OF THE SARS-COV-2 N PROTEIN	Rafael Enrique Nunes	
98	330548	Computational investigation of the Nucleoprotein/Phosphoprotein interaction of the human Metapneumovirus: exploring mimetic peptides as potential antiviral agents	Ricardo De Paiva Caetano	
98A	330478	FROM HIGH-THROUGHPUT SCREENING TO CELLULAR VALIDATION: DEVELOPMENT OF A NOVEL IDO1 INHIBITOR TARGETING NEUROPATHIC PAIN.	Paulo Jardim	
99	330329	ATOMISTIC INSIGHTS FROM MOLECULAR DYNAMICS INTO THE PROTONATION-MODULATED INSERTION OF L1A AND L1Am PEPTIDES	Alexandre Suman de Araujo	
100	330305	Molecular interactions between Doxycycline (and derivatives) and cell membrane models	Júlia Saito	
101	330279	PHARMACOKINETIC STUDY OF THE CONTROLLED DRUG RELEASE SYSTEM COMPOSED OF CURCUMIN ENCAPSULATED IN CHITOSAN AND CARRIED BY GREEN IRON OXIDE (Fe ₃ O ₄) NANOPARTICLES	Fernanda Kelly Alves de Souza	
101A	330278	GE11 PEPTIDE-FUNCTIONALIZED LIPOSOMES, CONTAINING CURCUMIN AND DOXORUBICIN FOR THE TREATMENT OF BREAST CÂNCER BY CHEMOTHERAPY	Juliana Damasceno Oliveira	
102	330276	TOWARDS UNDERSTANDING AND CONTROL OF ULTRASOUND-INDUCED CANNABIDIOL OXIDATION	Fabiola Vieira de Carvalho	
103	330196	The competitive binding action of suramin to the core domain of the human respiratory syncytial virus M2-1 protein	Sérgio Luís Ferreira Júnior	
103A	330191	UNSATURATED FREE FATTY ACIDS EFFECTS ON SYRINGIC ACID-ORGANOGELS STRUCTURAL AND BIOPHARMACEUTICAL PROPERTIES	Naially Cardoso de Faria	

104	330181	SBA-15 WITH EXPANDED PORE FOR PROTEIN IMMOBILIZATION	Jéssica Aparecida Ferreira Pedro	
105	330163	Virtual screening of molecules from Brazilian natural products with key characteristics for TMEM176B inhibition	Simone Q. Pantaleão	
105A	330040	ARTIFICIAL INTELLIGENCE APPLIED TO VIRTUAL SCREENING FOR CONSENSUS SCORING	Artur Duque Rossi	
106	330034	DESIGNING CSF-1R-TARGETING MINIPROTEINS TO ENHANCE IMMUNOTHERAPY RESPONSES IN PANCREATIC CANCER	Danilo Kiyoshi Matsubara	
107	329939	ASSESSING THE EFFICACY AND SAFETY OF AN IVERMECTIN NANOMEDICINE ADMINISTERED ORALLY AND INTRAPERITONEALLY IN AN EXPERIMENTAL MODEL OF STRONGYLOIDES INFECTION	Mariana Alice Gonzaga Gabú	
107A	329938	HOCUSPOCKETS: A COMPUTATIONAL TOOL FOR AUTOMATED PRIORITIZATION OF PROTEIN TARGETS BASED ON DRUGGABILITY	Luíza Furuno Machado	
108	329873	POLYMERIC NANOPARTICLES FOR AMPHOTERICIN B DELIVERY: TOXICOLOGICAL ASSESSMENT USING ZEBRAFISH EMBRYOS	Beatriz Ferreira de Carvalho Patricio	
109	329792	Investigating Poloxamer Drug Delivery Systems via Small-Angle Neutron and X-ray Scattering: Effects of Drug Type and Concentration on Structure	Rodrigo Borges Rhinow	
109A	329705	ASSESSING THE ROLE OF COPPER-DIIMINE COMPLEXES IN THE CYTOTOXIC ACTIVITY OF DIIMINES. SPECTROSCOPIC AND BIOLOGICAL STUDIES.	Gianella Facchin	
110	329309	Computational studies on the interaction of flavanones with the nucleoprotein/phosphoprotein binding site in the N-terminal domain of the hRSV nucleocapsid protein	Victor Hugo Aguiar Nicolleti	
111	327263	Balancing Pharmacodynamics and Pharmacokinetics in SARS-CoV-2 Mpro Inhibitors through Machine Learning and Molecular Dynamics	Anacleto Silva de Souza	
4. Bioengineering and Biomaterials				
	Submission ID	Title	Main Author	
111A	330879	ENZYMATIC IMMOBILIZATION: BIOPHYSICAL STRATEGIES FOR THE CREATION OF SUSTAINABLE BIOCATALYSTS WITH IMPROVED EFFICIENCY	Jéssica de Moura Soares	
112	330831	Bioprocesses Intensification via Microfluidics for the Production of Ionizable Polymeric Nanoparticles for RNA Delivery	Francisco J. Madrid Furlan	
112A	330220	Temperature-Dependent Structural and Optical Analysis of Transition Metal-Amino Acid Complex Crystals Using XRD, Raman Spectroscopy, and Neutron Diffraction	Rodrigo Borges Rhinow	
113	330109	Experimental Evidence of Substrate-Induced Artifacts in Atomic Force Microscopy Nanomechanics of Viscoelastic Cells	Afonso Luiz Dantas Moura	

114	330091	POLYMERS BEYOND MICROPLASTICS: A COMPUTATIONAL TOXICOLOGY PERSPECTIVE	Lorrana Faria Fonseca	
114A	330016	INTRANASAL NANOSYSTEMS FOR SPINAL MUSCULAR ATROPHY (SMA) THERAPY	Lorany Vitoria dos Santos Barbosa	
115	329871	Green Synthesis of α -Bi2O3 Nanosheets Using Azadirachta indica Leaf Extract: Toward Antimicrobial and Hemostatic Biofilm Applications	José Eduardo Ferraz Souza	
116	329403	OPTIMIZATION AND BIOCHEMICAL CHARACTERIZATION OF AQUEOUS EXTRACTS FROM MANGIFERA INDICA L. LEAVES: FOCUS ON MANGIFERIN YIELD AND ANTIOXIDANT ACTIVITY	Astrid Corrales Centeno	
5. Photobiology				
	Submission ID	Title	Main Author	
116A	331447	EFFECT OF LOW-LEVEL INFRARED LASER ON P53 AGGREGATION IN BREAST CANCER CELLS	Rickson Souza Ribeiro	
117	330414	OPTOGENETIC ALLOSTERIC CONTROL OF CASEIN KINASE 1A IN NEUROSPORA CRASSA	Roberto Sanhueza-Aballe	
118	330309	Therapeutic potential of whole-body photodynamic inactivation for treating systemic Candida auris infection in mice	Abdênego Rodrigues da Silva	
118A	330249	EVALUATION OF PHOTODYNAMIC THERAPY USING METHYLENE BLUE COMBINED WITH AMIKACIN AGAINST BIOFILMS OF METHICILLIN-RESISTANT Staphylococcus aureus	Maria Eduarda de Brito Visoto	
6. Cell Physiology				
	Submission ID	Title	Main Author	
119	330973	Image-Based Graph Analysis to Capture F-actin Cytoskeleton Morphological Changes	João Henrique Marinho Pontes	
120	330443	PRENATAL EXPOSURE TO TEBUCONAZOLE FUNGICIDE IMPAIRS CARDIAC ELECTROPHYSIOLOGY IN ADULT MICE OFFSPRING	Leisiane Pereira Marques	
121	330396	Cell Viscoelasticity Measurements by Flow Cytometry in Microfluidic Channels	Wallace Vale dos Santos	
121A	330368	Probing Polymer Interactions in Softwood Cell Walls using Molecular Dynamics Simulation	Carlos G. T. Batista	

122	330283	Generation of Human Ventricular Cardiomyocytes Derived from Induced Pluripotent Stem Cells for studying of heart disease	Vinicius Fogaça dos Santos	
123	330208	MECHANISMS OF NICOTINAMIDE SECRETION IN ACTIVATED MACROPHAGES	Ana Carolina Pereira Vicente	
123A	330024	COLLECTIVE BALLISTIC MOTION EXPLAINS LARGE AGGREGATION EXPONENTS IN ADHESIVE ACTIVE MATTER	Pablo de Castro	
124	329925	Differential Cytotoxicity of Green Propolis in Tumor and Healthy Cell Models: Insights from 2D Culture	Vinicius M Abreu	
7. Molecular Mechanisms of Diseases				
	Submission ID	Title	Main Author	
125	331047	Identification of Staphylococcus species in patients with chronic rhinosinusitis	LIVIA SOARES ZAMELA	
125A	330967	IN SILICO SCREENING FOR SAFER FFAR1 ALLOSTERIC MODULATORS: INTEGRATION OF PHARMACOPHORE MODELING, MOLECULAR DOCKING, ADMET PROFILING, AND MOLECULAR DYNAMICS	Bruno de Sousa Barbosa	
126	330953	ACTIVATION OF ANG II / AT1R AXIS MEDIATES THE TUBULAR INJURY ASSOCIATED WITH PROTEINURIA OBSERVED IN THE EARLY STAGE OF DIABETIC KIDNEY DISEASE	Tawanne Martins de Souza	
127	330947	HIGH SALT DIET INDUCES RENAL DAMAGE THROUGH ACTIVATION OF PRO-INFLAMMATORY RESPONSE IN A BLOOD PRESSURE- INDEPENDENT WAY.	Douglas Esteves Teixeira	
127A	330941	ALBUMIN TRANSPORT TRIGGERS MICROGLIAL ACTIVATION BEFORE BBB BREAKDOWN IN EARLY STAGES OF CEREBRAL MALARIA	Sarah Alves	
128	330907	THERAPEUTIC EFFECTS OF EUGENOL PER OS IN AN IN VIVO MODEL OF LUNG INJURY INDUCED BY REDOX IMBALANCE	Jane Lane de Oliveira Sandes	
129	330896	MODERATE EXERCISE MITIGATES PULMONARY DAMAGE IN TYPE 1 DIABETIC RATS	Francisca Edilziane Rodrigues da Silva	
129A	330893	SYNTHESIS OF MAGNESIUM OXIDE (MgO) NANOPARTICLES FOR IN VIVO TESTING IN DROSOPHILA MELANOGASTER	Nathan de Araujo Ricio	
130	330841	PREVENTIVE EFFECT OF ANETHOLE ON CHANGES IN DIABETIC KIDNEY DISEASE	ROMARIO PINHEIRO LUSTOSA	
131	330816	INVESTIGATING THE ROLE OF GRASP55 IN OROPOUCHE VIRUS REPLICATION AND UNCONVENTIONAL SECRETION PATHWAYS	Beatriz Bezerra de Macêdo	
131A	330487	IN SILICO IDENTIFICATION OF DCTPP1 LIGANDS THROUGH PHARMACOPHORE-BASED VIRTUAL SCREENING WITH ADMET EVALUATION, MOLECULAR DOCKING, AND MOLECULAR DYNAMICS	Bruno de Sousa Barbosa	

132	330484	Hyperglycemia-induced tubular proteinuria in non-obese diabetic mice: A potential role in tubular injury development	Larissa Miguel Atanasio	
132A	330328	EVALUATION OF FLUCONAZOLE-INDUCED CARDIOTOXICITY IN MICE: FUNCTIONAL AND STRUCTURAL ANALYSIS	Fabiana Silva Alcântara	
133	330314	CRYSTAL STRUCTURE OF THE Invasion-associated locus B (ialB) PROTEIN FROM Bartonella bacilliformis	Gemily Nikol Flores Luque	
134	330224	MOLECULAR MECHANISMS ASSOCIATED WITH NAD METABOLISM DYSFUNCTION IN THE TESTIS OF ZIKA VIRUS-INFECTED MICE	Carolina Maggessi Ribeiro Gomes	
134A	330214	Tebuconazole Pesticide Exposure Alters Electrocardiographic Parameters in Pregnant Mice	Simone Nunes Giacomini	
135	330204	DISRUPTED MITOCHONDRIAL HOMEOSTASIS IN THE BRAINS OF ZIKV-INFECTED NEONATAL MICE: EVIDENCE OF INCREASED MITOCHONDRIAL TURNOVER	Melissa Machado Costa Estevão	
136	330164	ANALYSIS OF PATHWAYS ASSOCIATED WITH THE DECLINE OF HEPATIC NAD ⁺ LEVELS DURING ZIKA VIRUS INFECTION	GABRIEL PACHECO ALEXANDRE	
136A	330108	Influence of tebuconazole in the time course of heart disease secondary to pulmonary hypertension in rats	Jorge Lucas Teixeira-Fonseca	
137	330104	IN VIVO ADMINISTRATION OF THE PYRETHROID BIFENTHRIN CAUSES ELECTRICAL REMODELING IN THE RAT HEARTS	Polyana Leal da Silva	
138	329575	ELEVATED SYSTEMIC LEVELS OF ANGIOTENSIN-(1-7) MODULATE RENAL DYSFUNCTION OBSERVED IN THE EARLY STAGE OF DIABETIC KIDNEY DISEASE	Laura Barroso Ferreira de Oliveira	
8. Nucleic acids struture and function				
	Submission ID	Title	Main Author	
138A	330960	CELL-SELEX METHODOLOGY APPLIED TO MICROORGANISMS	Gabriela Snidarsis	
139	330323	AZURE A DYE INTERACTION WITH DNA: A SINGLE MOLECULE FORCE SPECTROSCOPY STUDY	Arthur Gomes Soares de Rezende	
140	330171	STUDING MINIMAL CHROMATIN MODELS TO UNDERSTAND GENOME ORGANIZATION	João Vitor Cagliari	
141	334129	2'-O-Methylribose/Rna Base Fraying Effects And Sensibility To Salt Concentration In Hybrid Duplexes	Daniel Batista de Jesus	
9. Systems Biology, Neuroscience				

	Submission ID	Title	Main Author	
141A	331046	Omics integration in bacterial biofilm modeling: A systems biology approach	Camila Rodrigues Chaves	
142	330123	REORGANIZATION OF BRAIN CONNECTIVITY WITH AGE: DYNAMIC SIMULATIONS AND TOPOLOGICAL ANALYSES IN HUMAN STRUCTURAL NETWORKS	Maria Rosalba Pineda Aguiar	
143	330058	IMPACT OF MAGNETIC FIELDS ON MORPHOLOGY OF CRYPTOCOCCUS SPP. CELLS	Emileini Nepomuceno da Silveira	
143A	329841	LONG DURATION INTRACORTICAL MICROSTIMULATION AS A DEVICE TO CHARACTERIZE MOTOR CIRCUITS AND MUSCULAR RECRUITMENT	Arthur Cerqueira Camilo	
144	329673	GENERATION OF NEURITE-LIKE PROTRUSIONS FROM NEURONAL SURFACES USING OPTICAL TWEEZERS	Sthefany Rodrigues de Jesus	
145	329550	DEVELOPMENT OF A RAT MODEL FOR AMYLOID PATHOLOGY IN ALZHEIMER’S DISEASE USING RECOMBINANT AB1-42 PEPTIDE	Ana Abril VidalEscobedo	
145A	329464	EVALUATION OF COGNITIVE DEFICITS IN MURINE MODELS OF CHRONIC PAIN	Júlia de Carvalho Corrêa da Costa Morcerf	
10. Biomedical applications				
	Submission ID	Title	Main Author	
146	330962	IN VITRO GENOTOXICITY ASSESSMENT OF GOLD NANOPARTICLES IN PROSTATE ADENOCARCINOMA CELLS BY FLOW CYTOMETRY	Suleyna Ribeiro Prudente	
147	330942	ASSESSMENT OF BIOFUNCTIONALIZATION ON CORROSION EFFECTS IN Ti-6Al-4V ALLOY WITH ANTIMICROBIAL PEPTIDE JI-2	Gabriella Teresinha Lima Teixeira	
147A	330917	FROM STRUCTURE TO STRATEGY: MAPPING MAYARO VIRUS CAPSID INTERACTIONS TO REVEAL MOLECULAR MECHANISMS	Bárbara Filomena Silva	
148	330916	A NOVEL HYBRID MAGNETIC SYSTEM FOR AC SUSCEPTIBILITY USING ALTERNATING CURRENT BIOSUSCEPTOMETRY (ACB)	João Gabriel Batista de Araújo Neto	
149	330911	BIOSYNTHESIS AND BIOACTIVITY OF NIOBIUM OXIDE NANOSTRUCTURES USING LACTIC ACID BACTERIA SUPERNATANTS	Pablo Araujo Oliveira	
149A	330865	NANOPLATFORM BASED ON SUPERPARAMAGNETIC NANOPARTICLES FOR DUAL-RESPONSIVE THERAPEUTIC APPLICATIONS	João Victor Araújo de Lima	
150	330860	DEVELOPMENT AND VALIDATION OF AN IN VITRO ULTRASOUND IRRADIATION PLATFORM FOR SONODYNAMIC THERAPY APPLICATIONS	Dianeth Sara Lima Bejar	

151	330771	THE FMOC GROUP (9-FLUORENYLMETHOXYCARBONYL) AS AN INDUCER OF NANOSTRUCTURATION OF BIOACTIVE PEPTIDES AND THEIR ENCAPSULATION IN HYDROGELS	Thiago da Costa Lourenço	
151A	330720	ANALYSIS OF PHOTOGEM SONODEGRADATION IN DIVERSE SOLVENTS	Mabily Bilancieri Rosa	
152	330485	Clinical, histological and epithelial morphological analysis in Vulvar Lichen Sclerous treated with Photodynamic therapy compared to topical corticosteroid	Renata Belotto	
152A	330466	LUMINESCENT NANOTHERMOMETRY USING MULTIFUNCIONAL NaGdF4 NANOPARTICLES DOPED WITH Nd ³⁺ , Yb ³⁺ , AND Ho ³⁺	Ana Thon	
153	330464	Photobiomodulation in vulvar lymphedema: case report	Beatriz Oliveira Andrade	
154	330461	NOVEL IMMUNOSENSOR USING CARBON FIBERS AND UTILIZING BIOMARKERS AS A STRATEGY TO DETECT DEFICIT OF TESTOSTERONE	Lucas Frezza Moretto	
154A	330459	Alternating Current Biosusceptometry for Real-Time Magnetic Nanothermometry in Photothermal Therapy	LAIS BURANELLO	
155	330388	EMBRYOTOXICOLOGICAL EVALUATION OF AN HERBAL THERMOGENIC SUPPLEMENT USING ZEBRAFISH (Danio rerio) AS AN IN VIVO MODEL	Thiago dos Santos Cabral Rocha	
156	330385	COMPARISON OF ZINC SALTS AND SURFACTANTS IN THE COPRECIPIRATION SYNTHESIS OF ZNO NANOPARTICLES FOR PHOTODYNAMIC THERAPY APPLICATIONS	Eduardo Brandão Rodrigues de Aquino	
156A	330360	MECHANISMS OF FORMATION OF BCLAF1 BIOMOLECULAR CONDENSATES IN CARDIAC MYOCYTES UNDER OXIDATIVE STRESS	Beatriz Rocha Ilídio Rodrigues	
157	330356	In Situ Saxs Reveals q-Dependent Features And Thermodynamic Behavior Of The Protein Corona	Juliana Tosta Theodoro Carvalho	
158	330348	EFFECTS OF A LOW-PROTEIN DIET AND TUDCA TREATMENT ON THE HEARTS OF MICE	Lucas Lopes Maldonado	
158A	330310	Evaluation of Magnetic Nanoparticle Internalization in CaCo-2 Cells by AC Biosusceptometry After Simulated In Vitro Digestion	LAIS BURANELLO	
159	330306	DESIGN OF MAGNETOLIPOSOMES FOR MAGNETIC HYPERTHERMIA APPLICATION AGAINST CANCER CELLS	Gustavo Victor Tissi Batista	
160	330261	Optimizing sonodynamic therapy: a kinetic study of ROS generation via sonolysis	Camila Aparecida Antunes	
161	330235	EVALUATION AND IMAGING OF THE BIODISTRIBUTION OF MAGNETIC NANOPARTICLES IN CIRRHOSIS CONDITIONS ASSOCIATED WITH HEPATOCARCINOGENESIS	RAFFAEL GREGGIO WILLMANN	
161A	330232	NANOPARTICLE FUNCTIONALIZATION STRATEGIES FOR ORAL DELIVERY EVALUATED BY BIOMAGNETIC TECHNIQUES	RAFFAEL GREGGIO WILLMANN	
162	330190	MAGNETIC PARTICLE SPECTROSCOPY VIA AC BIOSUSCEPTOMETRY (ACB-MPS): NEW APPROACH FOR THE CHARACTERIZATION OF MAGNETIC NANOPARTICLES	Michael Jose Abilio de Almeida	

163	330186	Improving Fluorescence and Colloidal Stability of Carbon Dots through Dialysis Purification	Éllen Caroline dos Reis	
163A	330008	Multimodal Fluorescent-Magnetic Nanoprobe Based on Mannose-Binding Lectin	Francisco Perazzo Tavares de Melo	
164	329345	Nanoemulsions with active ingredients of plant origin and chiral discrimination	Languitone Norberto Mafuma	
11. Protein Folding				
	Submission ID	Title	Main Author	
165	330451	Unraveling Intermolecular Interactions Effects On Peptide Folding Using Ensemble Reweighting	Lucas Verona de Araujo	
165A	329878	Study of the Energy Landscape of the anti-termination transcription protein RfaH	Gustavo de Souza Catanoce	
12. Misfoldind and Unfolding				
	Submission ID	Title	Main Author	
166	330187	INTERVENING IN FUNCTIONAL AMYLOID ASSEMBLY/DISASSEMBLY TO OVERCOME BIOFILM-DRIVEN MICROBIAL RESISTANCE	Ariane Duarte Rosse	
13. Channels				
	Submission ID	Title	Main Author	
167	330955	BK CHANNEL ACTIVATION INDUCES MITOCHONDRIAL PROTECTION AGAINST HYPOXIA/REOXYGENATION INJURY	Domenique Kali Marconi Pereira Raboeira	
167A	330445	Coevolution and its Modulatory Mechanisms of Inactivation and Regulation of Sodium Channels	Millena Fernandes	
168	330292	PYRETHROID METABOLITES ENHANCES PROPENSITY TO ATRIAL ARRHYTHMIAS IN EX VIVO RAT PREPARATION	JULIA NATHALIA ALVES DA COSTA	

169	330165	NAV 1.8 SODIUM CHANNEL AS A NOVEL THERAPEUTIC TARGET FOR CARDIAC ARRHYTHMIAS OBSERVED IN PULMONARY HYPERTENSION	Michael Ramon de Lima Conceição	
169A	330025	CARDIOTOXIC EFFECT OF SUBACUTE EXPOSURE TO CYPERMETHRIN: EVIDENCE OF ELECTROCARDIOGRAPHIC AND MORPHOMETRIC ALTERATIONS	Gabriel Mariano de Sousa	
170	329683	PYRETHROIDS IMPAIR HEART FUNCTION AND INDUCE ARRHYTHMIAS THROUGH SODIUM CHANNEL MODULATION	Diego Jose Belato y Orts	
171	329425	STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF THE TRIPARTITE TRICARBOXYLATE TRANSPORT SYSTEM BctCBA OF Bordetella pertussis	Natalia Fernanda Bueno	
14. Cell Signaling				
	Submission ID	Title	Main Author	
171A	330446	DETERMINATION AND BIOCHEMICAL CHARACTERIZATION OF HEPARAN SULFATE INTERACTION RESIDUES IN THE MORPHOGENS HEDGEHOG, DECAPENTAPLEGIC AND WINGLESS	Geovana Almeida Carneiro	
172	330301	HYBRID LOGICAL–STOCHASTIC MODELING OF CELL DIFFERENTIATION IN ANGIOGENESIS	Luciana Renata De Oliveira	
15. Bioenergetics				
	Submission ID	Title	Main Author	
172A	330959	CAFFEINE AS A MODULATOR OF MITOPHAGY IN SACCHAROMYCES CEREVISIAE MODELS FOR PARKINSON’S DISEASE	Maria Fernanda Ribeiro	
173	330128	LIMITATIONS OF USING CYTOCHROME C AS AN INDICATOR OF MITOCHONDRIA OUTER MEMBRANE INTEGRITY IN HIGH-RESOLUTION RESPIROMETRY EXPERIMENTS	Julianna Dias Zeidler	
16. Biomolecular coacervates an				
	Submission ID	Title	Main Author	
174	330932	MOLECULAR INSIGHTS INTO NUCLEIC ACID-MEDIATED PHASE SEPARATION OF PRION PROTEIN AND ITS CONTRIBUTION TO PRION DISEASE	Bruna Almeida Brito	

174A	330559	LIQUID–LIQUID PHASE SEPARATION OF THE M2-1 PROTEIN FROM PNEUMOVIRIDAE: BIOPHYSICOCHEMICAL INSIGHTS AND THE ROLE OF POLYANIONS	Jaqueline Gomes Francisco	
175	330465	Modulation of hRSV M2-1 Liquid Condensates by Polyanionic Ligands: Stabilization and Disruption	Diego Leal	
176	330439	DESIGN RULES FOR COACERVATE-BASED EMULSIONS ENABLING ENZYME CATALYSIS IN ORGANIC SOLVENTS	Jussara Alves Penido	
176A	330325	ANALYSIS OF QS-21 INTERACTIONS USING MOLECULAR DYNAMICS SIMULATIONS	Pedro Gabriel Ubatuba de Faria Denega	
177	330118	CALCIUM-DRIVEN PHASE SEPARATION AND STRUCTURAL MODULATION OF ANNEXIN A11	Rodrigo Sena	
178	330110	EXPLORING THE PHASE SEPARATION AND MEMBRANE INTERACTION OF HUMAN GOLGI REASSEMBLY AND STACKING PROTEINS	Emanuel Kava	
178A	330050	EFFECT OF HEAT SHOCK PROTEINS ON ALPHA-SYNUCLEIN FIBRILLIZATION IN A CROWDED ENVIRONMENT	Marcos Vinícius Aquino Queirós	
179	329473	A Computational Framework for Morphology-Based Analysis of Biomolecular Condensate Dynamics	Ivan Rosa e Silva	
17. Science Education				
	Submission ID	Title	Main Author	
180	330871	MOLECULAR DYNAMICS SIMULATIONS OF SUPERCRITICAL CO ₂ : STRUCTURAL AND THERMODYNAMIC ANALYSIS FOR POTENTIAL APPLICATIONS IN BIOPHYSICS	Erik Zampieri	
181	330337	BIOPHYSICAL CHARACTERIZATION OF MACROMOLECULES USING THE OPEN-ACCESS SPECTROSCOPY AND CALORIMETRY LABORATORY AT LNBIO/CNPEN	Victor Antunes	
18. Protein Structure and Confo				
	Submission ID	Title	Main Author	
181A	332524	CRYO-EM CHARACTERIZATION OF HOST-SPECIFIC Staphylococcus aureus EXFOLIATIVE TOXINS AND THEIR INTERACTION WITH DESMOGLEIN 1	Angela Santisteban	
182	331005	NABhClassifier Server: A Tool for the Identification of Helical Nucleic Acid-Binding Sequences in Proteins	Geancarlo Zanatta	

183	331004	BIOPHYSICAL INVESTIGATION OF NUCLEOSOME ARCHITECTURE IN TRYPANOSOMA CRUZI	Beatriz Souza Castro	
183A	330965	Mapping binding landscapes of Ras/effector interactions	Atilio Tomazini Junior	
184	330963	Different Variants, Multiple Epitopes: A Strategy Based on Conserved Regions for SARS-CoV-2 Diagnosis	HERICLES EDMUNDO SILVA NASCIMENTO	
185	330937	In Silico Design of Protein–Protein Interaction Libraries for Fasciculin-2 Variant Selection	Gustavo Foltran Umbehaun	
185A	330905	STRUCTURAL CHARACTERIZATION OF RUBRERYTHRIN, A KEY COMPONENT IN ENTAMOEBA HISTOLYTICA RESISTANCE TO OXIDATIVE STRESS	Maria Emilia Ciccazzo	
186	330904	CORAL BIOMINERALIZATION: AN INTERDISCIPLINARY APPROACH FOR PRESERVATION OF ENDANGERED FAUNA	Paulina Rossi Ferreira	
187	330864	ELECTRONIC DISLOCATION IN PROTEINS: CHARACTERIZATION OF ELECTRONIC STRUCTURE AT ENZYMATIC REACTION SITES	Aloisio Almeida de Souza	
187A	330848	BIOPHYSICAL AND FUNCTIONAL STUDIES OF STIM AND ORAI PROTEINS, COMPONENTS OF THE CRAC CHANNEL IN THE INSECT Tribolium castaneum	Amanda Toledo Machado	
188	330847	BIOPHYSICAL CHARACTERIZATION OF SmE16 PROTEIN FROM Schistosoma mansoni: ANALYSIS OF CALCIUM BINDING EFFECTS AND INVESTIGATION OF POTENTIAL FUNCTIONS AT THE HOST–PARASITE INTERFACE	Thais Rangel Figueiredo	
189	330845	BIOPHYSICAL CHARACTERIZATION OF Ctx(Ile21)-Ha ANTIMICROBIAL PEPTIDE AND ITS ANALOGUES LABELED WITH TOAC SPIN LABEL: INTERACTION WITH MEMBRANE MODELS IS DRIVEN BY FLUIDITY AND LIPID MEMBRANE CHARGES	Eduardo Festozo Vicente	
189A	330811	STRUCTURAL AND BIOPHYSICAL STUDIES OF A CUTINASE OF ANTARTIC ORIGIN	Amanda Lara Fukuda Marques	
190	330736	GRASPING THE ROLE OF THE GRASP FAMILY ON UNCONVENTIONAL PROTEIN SECRETION	Luiz Fernando de Camargo Rodrigues	
191	330729	Experimental and computational study of the adsorption of 8-methoxypsoralen on gold and silver nanoparticle	Pedro Henrique Figueiredo Backes Costa	
191A	330649	STRUCTURAL BASIS FOR SUBUNIT INTERACTIONS WITHIN THE TYPE IV SECRETION SYSTEM OF XANTHOMONAS CITRI	Guilherme Tiburcio Medeiros	
192	330640	Metal-Binding propeties OF THE EGG-SECRETED MEG 3 ISOFORMS FROM SCHISTOSOMA MANSONI	Lorran Yves Machado De Sousa	
192A	330610	THE ROLE OF THE CHAPERONE CSGC IN REGULATING THE AGGREGATION OF THE AMYLOID PROTEIN CSGA FROM ESCHERICHIA COLI	Mauricio Hyury Dos Santos	
193	330508	The overlooked impact of N-terminal acetylation on biomolecular condensation	Carolina Gimenes Oliveira	
194	330495	ELUCIDATING AMYLIN PEPTIDE STRUCTURAL PROPERTIES BY EXPERIMENTAL TECHNIQUES AND MD SIMULATIONS	Samuel Pizzol	

194A	330486	INCORPORATION OF ANTIGENIC PROTEINS INTO MESOPOROUS SILICA	Ane Okuda	
195	330472	Dissecting the Role of W60 in Grb2: Conformational Changes and Implications for Monomer Structure	Jéssica Andrade Tedesco	
196	330403	FUNCTIONAL AND STRUCTURAL BASIS FOR THE EMERGENCE OF PYRIDOXAL KINASE IN THE BACTERIAL THID VITAMIN KINASE SUBFAMILY	Nicolás Fuentes-Ugarte	
196A	330391	Unveiling the SERS Spectrum of 5-Hydroxy-L-Tryptophan: Structure and Binding Mechanisms at Silver Nanoparticle Interface	Caio Hiroaki Miyake	
197	330352	Evolutionary insights into the structural basis of allosteric regulation and K ⁺ -independent activity in pyruvate kinases from methanogenic archaea	Sebastian Muñoz	
198	330316	STRUCTURAL DETERMINATION OF THE RRM1 DOMAIN FROM THE HUMAN SPLICING FACTOR RBM6	Pedro Kayá Salazar Göknél	
198A	330303	STRUCUTRE-GUIDED MACHINE LEARNING MODELS FOR PREDICTING TCR:pMHC SPECIFICITY FROM SEQUENCE DATA	Samuel Chagas de Assis	
199	330289	INTERACTION OF CUBOSOME NANOPARTICLES WITH BSA FOR DRUG DELIVERY APPLICATIONS	Juliana Raw	
200	330284	ENHANCING FULL-LENGTH DDX3X CRYSTALLIZATION: A CASE STUDY ON MACHINE LEARNING APPLICATIONS IN STRUCTURAL BIOLOGY	Eric Leandro Lima Mendonça	
201	330271	EVOLUTIONARY ADAPTATION OF PROTEINS TO THE INTRACELLULAR ENVIRONMENT: STUDY OF THE EFFECT OF QUINARY INTERACTIONS ON THE STABILITY AND MOLECULAR DYNAMICS OF THE FF1 DOMAIN OF P190A	Larissa Saraiva	
201A	330265	Structural determination of the excited state of the FF1 domain of p190A RhoGAP: participation of the excited state in the signal transduction pathway.	Aarão Camilo Ramos	
202	330245	CIRCULAR DICHROISM SPECTROSCOPY IN THE STUDY OF PROTEIN FILMS	Gustavo Gimenez dos Santos Figueira	
203	330241	Biophysical characterization of Mirco Exon Gene (MEG) 3.4 in the presence of Zinc	Remy Gabriel Cabezudo Cobos	
203A	330179	STRUCTURAL CHARACTERIZATION OF THE RRM2 DOMAIN OF THE SPLICING REGULATORY PROTEIN RBM6	Mariana Diogo Santana	
204	330137	Neuropeptide Y functional amyloid aggregation reveals that self-replication can align with biological timescales	Murilo de Oliveira Souza	
205	330101	IN SILICO CLASSIFICATION AND STRUCTURAL CHARACTERIZATION OF PROTEIN TYROSINE PHOSPHATASES FROM AEDES AEGYPTI	Gabriel Pires dos Santos	
205A	330072	STRUCTURAL ANALYSIS AND ANCHORING MECHANISM OF THE TRANSMEMBRANE EMP24 DOMAIN-CONTAINING PROTEINS	Gabriel Machado	
206	330051	HUMAN GOLGIN-45 UNDER THE LENS: NOVEL BIOPHYSICAL INSIGHTS INTO STRUCTURE AND COMPLEX FORMATION WITH GRASP55	Marília Darini de Oliveira da Silva	

207	330027	C-TERMINAL DOMAINS OF SEPTINS FROM RICE BLAST FUNGUS	LUIZA DEBONI DE CARVALHO MARTINEZ	
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208	329879	ROBOLAB – Open-Access Automated Platform for Protein Crystallization Experiments at LNBio/CNPq	João Vitor Pereira de Godoy	
209	329771	STRUCTURAL AND NUCLEIC-ACID BINDING ANALYSIS OF THE N-TERMINAL DOMAINS OF THE SPLICING FACTOR RBM6	Karina de Carvalho Pougy	
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