

RAU32 On-site Poster Presenters		
Speaker	Poster Title	Area
ADRIANA VALERIO	Size dispersion evaluated by X-ray diffraction and scattering in crystalline nanoparticles of CeO ₂	Condensed matter - Electronic and Magnetic Structure
Amanda Araujo Souza	An integrative structural biology pipeline for the discovery of novel human kynurenine 3-monooxygenase inhibitors	Protein and Macromolecular Crystallography
Andrew Albert de Oliveira	Modulators of PKM2 tetramerization: an x-ray crystallographic assessment	Protein and Macromolecular Crystallography
Carolina Michelon Camarda	MINERAL INCLUSIONS IN SUPER DEEP DIAMOND REVEALS THE UNUSUAL ASPECT OF THE TRANSITION METALS Fe, Cu, Ni AND Ti	Environmental and Earth Science
Cristiano Luis Pinto de Oliveira	Advanced Modelling of Lyotropic Liquid Crystals by Small Angle X-Ray Scattering	Polymers and Soft Matter
Cristina Freitas Bazzano	NP3 Blob Label: A Deep Learning Application for Unknown Ligands Segmentation to Ligand Building in X-ray Protein Crystallography	Protein and Macromolecular Crystallography
Fabiano Rodrigo Borges	Passivation of Indium Phosphite Substrate Evaluated by Atomic Force Microscopy	Surface Science – Electronic and Atomic Structure
Francisco Mateus Cirilo da Silva	Multi-techniques methodological study on radiation effect in hybrid organic-inorganic perovskites and strategies to mitigate interferences after high brilliance x-ray photon source measurements	Condensed matter - Electronic and Magnetic Structure
Gabriel Sgarbiero Montanha	Plant metallomics: are metal distribution patterns a cause or consequence of plant tissue fate?	Environmental and Earth Science
Gisele de Lima Hippler	Effect of high pressure on the structure of lithium disilicate glass-ceramic	Hard condensed matter - Atomic Structures and Morphology
Isabella Nascimento dos Santos Bernardo	ESTABLISHMENT OF A CELLULAR MODEL FOR THE STUDY OF THE BIOLOGICAL BASES OF CONVENTIONAL AND FLASH RADIOTHERAPY	Life and Medical Sciences (excluding Crystallography)
Jessica do Nascimento Faria	Crystal structure of L-threonine dehydrogenase from T. cruzi and its allosteric activation by potassium ion	Protein and Macromolecular Crystallography
Joane Kathelen Rustiguel Bonalumi	New binding-site search of the 20S proteasome: crystallographic fishing, PanDDa analysis and cryo-EM validation	Protein and Macromolecular Crystallography
João Basso Marques	Green Synthesis of BioC-dots	Environmental and Earth Science
José Daniel Da Silva Fonseca	Micro-FTIR as a characterization tool for a new platform based on calixarene derivative and a metal-organic framework: A fluorescent probe for Fe ³⁺ detection	Environmental and Earth Science
Juliana do Carmo Godinho	Investigation of divalent metal transporters in cancer associated metallomics	Life and Medical Sciences (excluding Crystallography)
Leopoldo Suescun	Ionic-radii - Power relation in REBa ₂ Cu ₃ O _{6+δ} (RE = La, Nd, Sm, Gd and Y) IT-SOFC cathodes.	Catalytic Materials
Lucas Cardoso Ramos	Study of carbonaceous aerosols through synchrotron radiation	Environmental and Earth Science
Maria Gabriella Denote Guaita	Influence of methylammonium chloride on wide-bandgap hybrid perovskites for solar cells	Condensed matter - Electronic and Magnetic Structure
Mario Ernesto Giroldo Valerio	Spacial distribution of LiYF ₄ :Ce,Tb scintillator in polystyrene matrix using X-ray mapping	Hard condensed matter - Atomic Structures and Morphology
Nicolas Neves de Oliveira	Time of characterization of atmospheric aerosols using Synchrotron radiation.	Environmental and Earth Science
Paulo Jardim	High-throughput screening to discover a new Indoleamine 2,3-Dioxygenase-1 (IDO1) inhibitor	Protein and Macromolecular Crystallography
Rafael Alcides Vicente	Advances towards performing in situ Bragg coherent diffraction imaging in electrochemical systems	Catalytic Materials
Rafael Lavagnolli Germscheidt	Synchrotron-based X-ray spectroscopy (XPS and XAS) for probing the nature of electrochemical formed vacancies a Prussian Blue based catalyst	Catalytic Materials
Rafaella Bartz Pena	Unveiling the Depolymerization of Densified Lead Metasilicate Glass: an Optical Raman and O K-edge X-Ray Raman Spectroscopic Study	Hard condensed matter - Atomic Structures and Morphology
Raphael Meneghello	Use of high-throughput PanDDA analysis to unveil new bioactive molecules based on the Brazilian natural products biodiversity	Protein and Macromolecular Crystallography
RAPHAELA DE OLIVEIRA	Using synchrotron techniques to investigate an emerging class of naturally abundant layered materials: phyllosilicates	Condensed matter - Electronic and Magnetic Structure
Renata C. K. Kaminski	Effect of adding TiO ₂ nanoparticles to systems stabilized by surfactant containing different vegetable oils	Other
Rodrigo Szostak	Operando setup for perovskite solar cells characterization at the CARNAÚBA beamline at Sirius/LNLS	Instrumentation and Technological materials
Susilaine Maira Savassa	In vivo investigation of biotransformation of metallic nanoparticles in soybean plants using synchrotron-based techniques	Environmental and Earth Science
Swathi Patchaialamm Raju	Development of Spectroelectrochemical Cells for InsituFTIR Imaging and ExsituXRF Mapping: A Multi-Technique Approach	Catalytic Materials
Thais Costa Brunelli	Surface characterization of atmospheric aerosol by X-ray photoelectron spectroscopy: a scientific interest	Environmental and Earth Science
Thiago Rodrigues da Cunha	Structural analyses of alamosite phase (PbSiO ₃) derived from lead glass metasilicate via Synchrotron X-ray diffraction measurements under extreme conditions	Hard condensed matter - Atomic Structures and Morphology