

POSTER ID	TRACK	SURNAME	NAME	POSTER DAY	TITLE						
1	Artificial Intelligence and Systems Biology	Schottlender	Gustavo	11	Benchmarking molecular representations and sequence-guided evidence transfer in LiqG 2						
3	Artificial Intelligence and Systems Biology	Boggione	Maria Julia	11	Fine-tuning of the ProGen2 protein language model for the generation of artificial beta-lactamases						
4	Artificial Intelligence and Systems Biology	Sória Virgens	Graziela	11	The Generalization Gap in Melanoma AI: Cross-Dataset Reliability and the Challenge of Underrepresented Latin American Data						
5	Artificial Intelligence and Systems Biology	Duarte	Sofia Aimé	11	emb2bind: a deep learning binding predictor for IDRs based on protein language model and energy embeddings						
9	Artificial Intelligence and Systems Biology	Alberca	Lucas Nicolás	11	Repositioning approved drugs as α -Synuclein aggregation inhibitors through ligand-based virtual screening						
10	Artificial Intelligence and Systems Biology	Wolter	Johannes	11	Characterizing Intrinsically Disordered Protein Regions Using ESM-2 Attention Patterns						
12	Artificial Intelligence and Systems Biology	Zablocki	Luciano Ivan	11	Incorporating Chemical Probing Data into Deep Learning for RNA Secondary Structure Prediction						
16	Artificial Intelligence and Systems Biology	Farneti	Melanie Belén	11	Phthalate exposure and obesity in adults: a small but robust association, and three leakage mechanisms that inflate it.						
21	Artificial Intelligence and Systems Biology	Vitale	Rosario	11	Segmentation metrics for the evaluation of Pfam domain annotation						
22	Artificial Intelligence and Systems Biology	Chiotta	Maria Laura	11	Modeling the occurrence of toxigenic <i>Aspergillus carbonarius</i> in grapes using regularized regression and neural networks						
25	Artificial Intelligence and Systems Biology	Barton	Alejandro	11	Simplifications and approximations in molecular systems biology: lessons from the toggle switch						
27	Artificial Intelligence and Systems Biology	Castillo	Jeremias Omar	11	A Machine Learning-Derived Glycosignature Associated with Glioblastoma Stem-like Cell Subtypes and Patient Survival						
29	Artificial Intelligence and Systems Biology	Barbara	Sara	11	Gut Microbiome as a Source of Biomarkers in Neurodegenerative and Neurodevelopmental Disorders: A Machine Learning and Explainable AI Approach						
31	Artificial Intelligence and Systems Biology	Giordano	Gonzalo Javier	11	From protein embeddings to complex networks: multiscale organization of molecular recognition						
122	Artificial Intelligence and Systems Biology	Ruiz Bochides	Estefania A.	11	Emergent Time-Sharing in Competitive Systems with Cross-Inhibition and Slow Self-Adaptation						
127	Artificial Intelligence and Systems Biology	Cravero	Fiorella	11	Consistency and Stability of XAI Explanations to Understand QSAR Models trained for Predicting Developmental						
34	Biological Databases and Bioimaging	Ragueneau	Eliot	11	BioAlrepro: Making AI Resources Discoverable and Reusable Across the Life Sciences						
37	Biological Databases and Bioimaging	Ferrelli	Maria Leticia	11	Cross-Beta-DB: An Updated Resource for Naturally Occurring Amyloid Fibrils and Benchmarking Prediction Methods						
41	Biological Databases and Bioimaging	Cassol	Ignacio	11	Bioinformatic Characterization of a Cohort of PD-L1-Negative Non-Small Cell Lung Cancer Patients Through Network Analysis						
130	Biological Databases and Bioimaging	Muschietti	Bruno	11	PHENOTYPING OF FUNGAL INFECTIONS IN TOMATO PLANTS USING MULTISPECTRAL IMAGING						
43	Evolutionary, Comparative and Population Genomics	Lozano	Mauricio	11	The Evolution of Disorder: From Prokaryotes to Eukaryotes in Universally Conserved Proteins						
46	Evolutionary, Comparative and Population Genomics	Dallachiesa	Dardo	11	Evaluating translational rate conservation and cotranslational folding in legumes using minMax profiles						
49	Evolutionary, Comparative and Population Genomics	Alvarez	Liliana	11	Comparative pangenome analysis of <i>Pasteurella multocida</i> identifies conserved genes with potential as vaccine candidates						
50	Evolutionary, Comparative and Population Genomics	Machuca	Juan	11	Comparative genomics and genome mining of Antarctic marine <i>Pseudomonas</i> sp. m6p						
52	Evolutionary, Comparative and Population Genomics	Marichich	Paula	11	Genomic characterization of B-genome-specific pack-MULE transposons in the allotetraploid <i>Arachis hypogaea</i>						
42	Genomics, Transcriptomics, Epigenomics, Metagenomics	Cagnani	Julieta	11	Differences in the phyllosphere and endophyllosphere fungal communities among three <i>Nothofagus</i> species from the Andean-Patagonian forest.						
53	Genomics, Transcriptomics, Epigenomics, Metagenomics	NASHMIAS	MARÍA ELISA	11	Genome Sequencing and Functional Characterization of Extrachromosomal Elements in <i>Rhodococcus erythropolis</i> JCM 2893, a Petroleum-Derived Strain Capable of Growth under Oligotrophic Conditions						
54	Genomics, Transcriptomics, Epigenomics, Metagenomics	Gallicet	Micaela	11	Metagenomic profiling of the metal resistome of microbial communities from the Caviahué-Copahué Geothermal System						
59	Genomics, Transcriptomics, Epigenomics, Metagenomics	Martins	Gilberto	11	Revisiting historical 16S rRNA datasets: does improved bioinformatic resolution change our view of bacterial diversity in eutrophic lake sediments?						
61	Genomics, Transcriptomics, Epigenomics, Metagenomics	Anderegggen	Valentina	11	Pipeline for the taxonomic and functional analysis of plant growth-promoting bacteria from long-read sequencing data						
62	Genomics, Transcriptomics, Epigenomics, Metagenomics	Ortiz Rocca	Lucía Martina	11	Cross-domain metabarcoding analytics: an integrated bioinformatics pipeline for bacterial and fungal communities in sugarcane soils						
64	Genomics, Transcriptomics, Epigenomics, Metagenomics	Giordano	Laureano Jose	11	Genome-wide AP-1-directed enhancer demethylation, but a stableLRP1 locus, marks monocyte-to-macrophage differentiation: ananopore methylome analysis						
65	Genomics, Transcriptomics, Epigenomics, Metagenomics	Chirino	Lucía	11	Genomic variation in Argentine isolates of <i>Cercospora kikuchii</i> : contrasting patterns among virulence, fungicide resistance, and phylogenetic genes						
67	Genomics, Transcriptomics, Epigenomics, Metagenomics	Cassol	Ignacio	11	Improving Microbiome Beta Diversity Analysis through a Parametric Model of Abundance Gradients						
72	Genomics, Transcriptomics, Epigenomics, Metagenomics	Sananez	Inés	11	Annotating the secretome of an under-represented parasitic nematode, the giant kidney worm <i>Dioctophyme renale</i>						
74	Genomics, Transcriptomics, Epigenomics, Metagenomics	Duarte	María José	11	Bioinformatic Identification and Experimental Validation of microRNAs Associated with Rejuvenation in <i>Ilex paraguariensis</i>						
79	Genomics, Transcriptomics, Epigenomics, Metagenomics	Amago Prato	Lourdes	11	Same genes, different crowd: host community turnover underlies seasonal shifts in the sugarcane soil resistome						
80	Genomics, Transcriptomics, Epigenomics, Metagenomics	Palermo	Maria Candelaria	11	Shotgun Metagenomic Profiling of Pelagic and Benthic Microbial Communities Across the Argentine-Uruguayan Common Fishing Zone						
85	Genomics, Transcriptomics, Epigenomics, Metagenomics	De Gracia	Lydier	11	Transcript-anchored mapping and evidence-weighted curation of germline breast cancer predisposition variants in a Panamanian cohort						
120	Genomics, Transcriptomics, Epigenomics, Metagenomics	Gómez López	Rodrigo	11	A Post-Hoc Analytical Framework for the Characterization of Disease Endotypes Applying Biclustering						
121	Genomics, Transcriptomics, Epigenomics, Metagenomics	Machuca	Juan	11	16S rRNA-based analysis of storage-associated shifts in the relative composition of the raw boar seminal microbi						
133	Genomics, Transcriptomics, Epigenomics, Metagenomics	Dotto	Cristian	11	Prophage profile of <i>Staphylococcus aureus</i> isolates from persistent infections.						
138	Genomics, Transcriptomics, Epigenomics, Metagenomics	Dellamea	Cynthia Vanina	11	Identification of the heavy metal ATPases (HMAs) genes in Yerba Mate						
140	Genomics, Transcriptomics, Epigenomics, Metagenomics	Assandri	Matias	11	Comparative Genomic Analysis of <i>Lentilactobacillus kefir</i> CIDCA 8348 and CIDCA 83111: Probiotic Potential and						
143	Genomics, Transcriptomics, Epigenomics, Metagenomics	Gianella	Mohamed	11	"Identification of Bacterial Species of the Genus <i>Leptospira</i> and Preliminary						
144	Genomics, Transcriptomics, Epigenomics, Metagenomics	Cravero	Luisina	11	CONTRIBUTIONS TO THE STUDY OF THE GENETIC BASIS OF THE						
145	Genomics, Transcriptomics, Epigenomics, Metagenomics	Vaca Pereira	Esteban	11	in vitro characterization of the activity of the CASK protein kinase domain						
146	Genomics, Transcriptomics, Epigenomics, Metagenomics	Quiroga	Paula	11	Characterization of the Resistome and Mobilome in Microbiota Metagenomes of Wild						
89	Proteomics and Protein Structure and Function	Kulemeyer	Guillermo	11	Can ML Diffusion Models Capture Intrinsically Disordered Protein Ensembles?						
90	Proteomics and Protein Structure and Function	Vergesio	Franco Nicolás	11	Homologous disordered regions in non-homologous proteins: transposons as vehicles of modular propagation						
91	Proteomics and Protein Structure and Function	Mencucci	Maria Victoria	11	Annotating experimental conditions of amyloid structures to explore polymorph relevance						
94	Proteomics and Protein Structure and Function	Núñez	Paula Florencia	11	Diverse sequences, equivalent ensembles: Understanding the molecular grammar underlying conformational buffering in IDRs						
95	Proteomics and Protein Structure and Function	Kramar	Jacqueline Michelle	11	Grafting Site Modulates Intramolecular Inhibition in Monomeric Domain-Linker-Motif Constructs						
97	Proteomics and Protein Structure and Function	Chinestrad	Patricio	11	Insights into the allosteric modulation of IDO1: molecular dynamics simulations reveal the binding mode of a novel inhibitor						
98	Proteomics and Protein Structure and Function	Garcia-Messina	Justo	11	AmyloTools: a Python package and web application for exploration and quantitative characterization of amyloid fibril structures.						
100	Proteomics and Protein Structure and Function	Manzano	Jose	11	Computational identification of structurally uncharacterized gamete fusogens in fungi						
108	Proteomics and Protein Structure and Function	Racigh	Vanesa	11	Same motif, different partners: an evolutionary-structural view of human hSP hetero-oligomers						
109	Proteomics and Protein Structure and Function	Bravo	Facundo	11	Disordered tails, conserved contacts: a proteome-wide search for non-catalytic autoregulation						
110	Proteomics and Protein Structure and Function	Nakasone	Nicolas	11	In silico Optimization of Artificial Cellulosomes: Simulating Multienzyme Cellulose Hydrolysis via Agent-Based Reaction-Diffusion Dynamics						
111	Proteomics and Protein Structure and Function	Gutierrez	Alvaro	11	Uncovering Drug-Repurposing Opportunities across CCR5 and CCR3: A Structure-Based Strategy toward Chemokine Receptor Modulation in Cancer						
112	Proteomics and Protein Structure and Function	Gerstner	Andrés	11	Methodological Optimization and Molecular Dynamics Validation of the Catalytic Core in Herpes Virus Type 1 DNA Polymeras: Preservation of the Mg(II) Coordination Sphere						
2	Artificial Intelligence and Systems Biology	NGUYEN	Thi Thanh Hien	12	Precision control of microbial cell therapies through AI-driven receptor engineering						
11	Artificial Intelligence and Systems Biology	Gamba	Juan Cruz	12	Deep Learning Recurrent Architecture for Intrinsically Disordered Protein Classification						

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13	Artificial Intelligence and Systems Biology	Gonzalez Abad	Abril	12	Identifying inflammatory Programmed Cell Death associated features to predict clinical outcome in patients with diffuse gliomas						
14	Artificial Intelligence and Systems Biology	Pulicari	Ezequiel Pulicari	12	Héritas Second Brain: An Expert-Curated Knowledge Graph for Clinical Genomic Interpretation						
15	Artificial Intelligence and Systems Biology	Zanghelini	Marcelo	12	A three-dimensional video-tracking protocol for the assessment of neurobehavioral alterations in adult zebrafish (Danio rerio)						
17	Artificial Intelligence and Systems Biology	Kaplan	Maia	12	Probing a genomic language model for off-target, pseudogene and chimeric reads in COI eDNA metabarcoding						
18	Artificial Intelligence and Systems Biology	Rafikova	Ekaterina	12	AI-Based Extraction of Structured Lifespan Data from Scientific Literature						
20	Artificial Intelligence and Systems Biology	Gomez	Matias Nicolas	12	Functional characterization of drug repurposing candidates through integrated analysis of molecular targets and biological pathways						
23	Artificial Intelligence and Systems Biology	Leal	Nicolas	12	AUTISM SPECTRUM DISORDER CLASSIFICATION USING GRAPH NEURAL NETWORKS FROM GUT MICROBIOTA PROFILES						
24	Artificial Intelligence and Systems Biology	Villarreal	Rodrigo Gastón	12	Machine learning in species distribution models: A case study between a cactophilic drosophilid and its hosts						
28	Artificial Intelligence and Systems Biology	Fernández Burda	Manuel	12	Inference-Time Toxicity Mitigation in Protein Language Models						
32	Artificial Intelligence and Systems Biology	Olszanowski	Evelyn	12	Integrating Multi-Omics and Cross-Species Knowledge Graphs to Identify Heat-Responsive lncRNA Regulatory Networks						
144	Artificial Intelligence and Systems Biology	Maxwell	Julian	12	Hydra effect emerges from optimal control in structured populations						
35	Biological Databases and Bioimaging	Lassalle	Fernando Maku	12	Glycosylated IDRs: Biological Implications and a Cross-Reference Between DisProt and GlyConnect						
38	Biological Databases and Bioimaging	Vilches	Josefina	12	In silico evaluation of the role of BIRC6 in the DNA damage response in lung adenocarcinoma						
40	Biological Databases and Bioimaging	Ramello	Francisco	12	Characterization and curation of Drosophila transcription factor binding sites from modENCODE ChIP-Seq data						
45	Evolutionary, Comparative and Population Genomics	Julio Daniel Soria	Julio Daniel Soria	12	Low-coverage sequencing as a strategy for biobanking of underrepresented populations.						
47	Evolutionary, Comparative and Population Genomics	Amigo	Martín Ignacio	12	A city-scale synthetic population with demographic, socioeconomic and genetic structure for the evaluation of forensic genetic genealogy methods						
48	Evolutionary, Comparative and Population Genomics	Coba Males	Manuel Alejandro	12	How do reptiles survive hydric stress? A comparative review of the genomic signatures of adaptation in desert and marine environments						
118	Evolutionary, Comparative and Population Genomics	Karla Leal	Juan Machuca	12	Experimental warming alters fungal transcriptional signals recovered from Colobanthus quitensis RNA-seq data						
124	Evolutionary, Comparative and Population Genomics	Ledesma	Franco Tomás	12	Comparative genomic analysis of budded virion production in baculoviruses						
56	Genomics, Transcriptomics, Epigenomics, Metagenomics	Algañarás	Macarena	12	Comparative Evaluation of Pathway Topology Analysis Methods for Reactome, with a Focus on Intrinsically Disordered Proteins						
57	Genomics, Transcriptomics, Epigenomics, Metagenomics	Rivas	Gabriel Alejandro	12	Temporal and spatial persistence of a bacterial core across vineyard soil and wine in an emerging wine-producing region						
60	Genomics, Transcriptomics, Epigenomics, Metagenomics	Arias	Max	12	DIFFERENTIAL EXPRESSION OF INFLAMMASOME RELATED GENES IN COLORECTAL CANCER AND ITS STRATIFICATION BY MICROSATELLITE INSTABILITY STATUS						
63	Genomics, Transcriptomics, Epigenomics, Metagenomics	Fernández	Iván	12	Cake-cutting applied to genomic fragments with repeated sequences						
66	Genomics, Transcriptomics, Epigenomics, Metagenomics	Maggio	Julían Francisco	12	Uncovering Peripheral Biomarkers of Celiac Disease via Integrative Transcriptomic Analysis						
68	Genomics, Transcriptomics, Epigenomics, Metagenomics	Viappiani	Lucila	12	Systematic Profiling of Expressed HRR Variants: An RNA-seq Analysis Pipeline Applied to Prostate Cancer Cohorts						
69	Genomics, Transcriptomics, Epigenomics, Metagenomics	Khatchikian	Victoria Laura	12	Inferring spatial gene expression in the non-model giant kidney worm Diocotophyme renale by extrapolation from Brugia malayi spatial transcriptomics						
70	Genomics, Transcriptomics, Epigenomics, Metagenomics	Stricker	Abigail	12	Microbiome Composition and Predicted Functions Across Sequencing Platforms						
71	Genomics, Transcriptomics, Epigenomics, Metagenomics	Netzel	Penélope	12	Transcriptomic dynamics of the peripheral immune response to FMDV vaccination in cattle						
73	Genomics, Transcriptomics, Epigenomics, Metagenomics	Massicot	Agustina	12	Unveiling the structure of bacterial communities in groundwater using long-read metagenomic sequencing.						
75	Genomics, Transcriptomics, Epigenomics, Metagenomics	Martínez	Bárbara F.	12	High-resolution single-nucleus transcriptomics reveals striatal molecular remodeling during the off-L-DOPA state						
76	Genomics, Transcriptomics, Epigenomics, Metagenomics	Soria	Marcelo	12	Plastic-degrading potential in the South Atlantic plastisphere: taxonomy and polymer targets						
77	Genomics, Transcriptomics, Epigenomics, Metagenomics	Del Savio	Valeria	12	Multi-Omic Characterization of Hepatocellular Carcinoma across Liver Fibrosis Stages: A Comparison of Ishak 0 and Ishak						
78	Genomics, Transcriptomics, Epigenomics, Metagenomics	Córdoba	Josefina María	12	BAL-comp: an automated workflow for Lactic Acid Bacteria comparative genomic analysis						
81	Genomics, Transcriptomics, Epigenomics, Metagenomics	Suárez	Mauricio	12	DESIGN AND IMPLEMENTATION OF A REPRODUCIBLE HPC PLATFORM FOR AUTOMATED RNA-SEQ DATA ANALYSIS						
82	Genomics, Transcriptomics, Epigenomics, Metagenomics	lungman	Martin	12	Genome-wide quantitative profiling of human core promoters reveals sequence determinants of transcriptional activity and noise						
83	Genomics, Transcriptomics, Epigenomics, Metagenomics	Ilid	Manuela	12	Sex-hormone crosstalk shapes gut microbiome-immune responses to microbial stimuli						
86	Genomics, Transcriptomics, Epigenomics, Metagenomics	Zerda Moreira	Andrea	12	METAGENOMIC CHARACTERIZATION OF MICROBIAL COMMUNITIES FROM THE AMBARGASTA AND HUYAMAMPA SALT FLATS IN NORTHERN ARGENTINA						
123	Genomics, Transcriptomics, Epigenomics, Metagenomics	Sierra	Catalina	12	An Integrated Bioinformatics Framework for ORF Characterization and Visualization						
125	Genomics, Transcriptomics, Epigenomics, Metagenomics	Guizzo	Dardo	12	Complete genome assembly of Argentinean Creole bovine using long reads						
126	Genomics, Transcriptomics, Epigenomics, Metagenomics	Fededa	Juan Pablo	12	Inferring microRNA expression patterns and regulatory circuits at single-cell resolution through pri-miRNA detecti						
131	Genomics, Transcriptomics, Epigenomics, Metagenomics	Maciel Alonso	Gonzalo	12	Generation and evaluation of a bioinformatics pipeline for the detection of viral sequences in insects using public						
134	Proteomics and Protein Structure and Function	Miranda	Maria Liliana	12	Identification of Novel Agricultural Antifungal Candidates Targeting Cytochrome b through Virtual Screening. Mole						
136	Proteomics and Protein Structure and Function	Balatti	Galo	12	A modular workflow for residue-level analysis of peptide–protein interactions from molecular dynamics trajectories						
142	Proteomics and Protein Structure and Function	Cauerhff	Ana	12	Bioinformatic strategies to detect specific anti-enzyme antibodies of the primary immune response						
96	Proteomics and Protein Structure and Function	Pesce	Giulia	12	A novel structure-driven strategy for Parkinson's disease immunotherapy						
92	Proteomics and Protein Structure and Function	Cuccovia Warlet	Franco Uriel	12	Glycosylation across IDRs and non-IDR regions: patterns and functional associations						
99	Proteomics and Protein Structure and Function	Francisca Rodríguez	Francisca Rodríguez	12	Analysis of Antiplatelet Activity through Protein Disulfide Isomerase (PDI) Inhibition by Peptides						
101	Proteomics and Protein Structure and Function	Lozano	Mauricio	12	Beyond Annotation: A Curated Proteomic and Bioinformatic Approach to Map the Small Protein Universe of Bordetella pertussis						
102	Proteomics and Protein Structure and Function	Chiappinelli	Matias	12	Impact of mutations at evolutionary conserved sites on the conformational dynamics of tandem-repeat proteins						
104	Proteomics and Protein Structure and Function	Bravo	Facundo	12	Detection of Bacteroides fragilis Division II (cfiA+) by Mass-Shift Analysis of MALDI-TOF MS Spectra and Machine Learning Classification						
105	Proteomics and Protein Structure and Function	Vidal	Maria Candela	12	Beyond the nucleolus: Integrative interactome and transcriptome analysis identifies MAGEB2 as a ribosome-associated regulator of p53 under nucleolar stress						
106	Proteomics and Protein Structure and Function	Fabre Barbero	Nicole	12	Proportional phylogenetic assignment of shared peptides for accurate microbial biomass estimation in quantitative metaproteomics						
107	Proteomics and Protein Structure and Function	Castillo	Franco	12	Conservation of the catalytic core and active-site diversification in class A flavin-dependent monooxygenases						
113	Proteomics and Protein Structure and Function	Balatti	Galo	12	Molecular dynamics simulations support a dynamic RNA-recognition hotspot in the intrinsically disordered N-terminal domain of the androgen receptor						
114	Proteomics and Protein Structure and Function	González	Javier M.	12	A workflow for structural phylogenetic analysis of divergent protein domains						
116	Proteomics and Protein Structure and Function	Fernández	María Laura	12	Backbone scaffold conformation influences the stability of amyloid cross-β structures: an all-atom molecular dynamics study						
139	Proteomics and Protein Structure and Function	Nilsson	Juliet Fernanda	12	Protein disorder in Rhizobium favelukesii LPU83 and its association with the acid stress response						