

Session(*)	Posters and other abstracts		
1	Acedo Terrades	Ariadna	Targeting the WNT signaling pathway: a novel predictive signature for neoadjuvant chemotherapy response in muscle-invasive bladder cancer
1	Aviñó	Laura	Disentangling dynamic gene expression patterns from tissue movements: a computational approach
1	Bagué	Jaume	Personalized Medicine in Melanoma: biomarkers of prognosis and response to immunotherapy, and its relation to dietary habits and physical exercise
1	Balagué Dobón	Laura	Common genetic variants associated with urinary phthalate levels in children: a genome-wide study
1	Bárceñas López	Oriol	Structural determinants of α -synuclein binding to an inhibitory peptide studied by molecular dynamics simulations
1	Basallo Clariana	Oriol	Modeling the effects of circadian rhythm on the two alternative pathways for terpenoid precursor biosynthesis in plants
1	Butjosa Espín	Maria	Differences in silico in drug response between primary and metastatic cancer
1	Cabrera Gumbau	Jordi Manu	Machine learning for early prediction of vibrio vulnificus infections in the US
1	Canal Noguer	Pol	Methylation biomarkers for colorectal cancer early detection and survival prognostics impact gene expression and link to cancer-related biological pathways
1	Casals Franch	Roger	Gene expression prediction under novel conditions using ATAC-seq-informed regulons
1	Casanova Suárez	Carla	Diet adaptations in anatomically modern humans
1	Colomer i Vilaplana	Aina	Evaluating allele frequency trajectory and selection coefficient estimates from genealogies including ancient DNA
1	Díaz Hurtado	Marcos	Longitudinal segmentation of multiple sclerosis lesions
1	Díaz Ros	Maria	Conservation and evolution of human segmental duplications in mammal genomes
1	Engler	Camila	protAGONist: an innovative NLS/NES prediction tool
1	Espin Garcia	Roderic	Pan-cancer vulnerability prompted by TGF β -hypoxia-mediated suppression of alternative end-joining
1	Fariña Morillas	Maria José	Epigenetic relationships to improve Synthetic Lethality prediction model for cancer treatment
1	García Illarramendi	Juan Manu	In-silico simulation and efficacy evaluation of anti-PD1 treatment on 4 triple-negative breast cancer molecular subtypes
1	Genius Serra	Patricia	Lipid mechanisms drive cerebrovascular disease in cognitively unimpaired individuals at low risk for late-life dementia
1	Giné Bertomeu	Roger	Datoma: A cloud computing platform for high-performance metabolomics data analysis
1	González Barriada	Rubén	Deep Learning Based Methods for Fundus Image Quality Evaluation
1	Lisa Molina	Julia	Bioactive peptides in Mediterranean plants: biological properties and pharmacological implications
2	Llano Viles	Joshua	Identification of epigenetic biomarkers for molecular subgrouping of ependymoma
1	Loreto Velázquez	Antonio	Evolution of morphological complexity under development-based genotypephenotype maps
2	Marín Montes	Raúl	Evolution of morphological complexity under development-based genotypephenotype maps
2	Martinez	Emilce Sole	Multimodal data integration to model, predict, and understand changes in plant biodiversity
2	Mateo Navarro	Ramon	dsFDL: DataSHIELD Federated Deep Learning for Secure and Collaborative AI in Healthcare
2	Mitjavila Ventura	Adrià	Transposons in the evolution of piRNA cluster expression in mice
2	Moreno Farre	Javier	Molecular Dynamics study of the kynureninase enzyme: an approach for the design of new therapeutic enzymes in cancer
2	Muntañola Valero	Cristina	Prognosis of patient groups with COVID-19, chronic diseases and polypharmacy. Mixed patient-centered approach
2	Munzón Gil	Daniel	Evaluation of the msGBS methodology for the taxonomic identification and quantification of diatoms
2	Muñoz López	Francisco M	Identification of clinical features associated with Sars-Cov-2 reinfections
2	Nieto	Andrea	Characterising the regulation B cell differentiation at a single cell resolution
2	Pelegrí	Maria Dolo	BigDataStatMeth: An R package to implement statistical methods for Big Data
2	Pérez-López	Carlos	Aquasearch: a new software for fast proteomic characterization and classification of wastewater samples analyzed using MALDI-TOF
2	Pintado Grima	Carlos	aSynPEP-DB: a database of biogenic peptides for inhibiting α -synuclein aggregation
2	Pose	Iria	Machine learning approaches for the characterization of COPD

2	Ratarac	Aleksa	Fly wing development in silico: A computational investigation of morphological plasticity in <i>Drosophila</i> wings
2	Ruiz	Gabriel	Extrapolation of pathogenicity between homologous variants
2	Sanchez Hernandez	Janet	Computational design of ganciclovir-dependent kinases for suicide cancer gene therapy
2	Sánchez Herrero	Sergio	Integrating Artificial Intelligence Methods in Pharmacokinetics & Pharmacodynamics Processes
2	Sarrat González	David	CADSETshield: Developing a secure and efficient platform for integrated medical imaging and genomic studies of COPD using DataSHIELD and OMOP CDM
2	Serrano Gómez	Gerard	Multi-omics microbiome dynamics in IBD
2	Tejada Gutiérrez	Eva Luz	Development and application of tools for automated integration and analysis of big data in forestry management
1	Tejero Laguna	Eudald	Reanalysis of next generation sequencing data from patients with cardiac diseases
2	Temprano Sagrera	Gerard	Identification of differential expressed genes between abdominal aortic aneurysm cases and controls in aortic tissue
2	Tarradas-Aleman	Maria	Discovering and tracking potential zoonotic species from metagenomic samples with a capture-based oriented pipeline
2	Tondar	Abtin	Identification of new BCL-2 inhibiting small molecules using machine learning, molecular docking, and MD simulation
2	Yakymenko	Illya	Characterization of strategies for structural variant imputation
2	Yang	Jing	A quantitative view of the heterogeneity-diversity axis in biological systems

(*) Remind that for first years students it is not mandatory.