

BIOINFORMATICS STUDENTS SYMPOSIUM

18th October: Meet&Greet event

- 10:00:** Presentation of RSG and RSG-Nodes. Encouraging the creation of new nodes.
- 11:00:** Interactive Survey: Surveying the young Spanish BioInfo topics and practices.
- 12:00:** Round table with RSG-Spain representatives (bioinfo trends discussion and Q&A).
- 13:30:** Abroad RSG Leader talk: Argentina. **Carla Padilla Franzotti**
- 14:30:** Social gathering on AirMeet or Remo rooms. Tables divided by topics.

19th October: VIII Student Symposium

- 10:00:** Registration and online network gathering.
- 10:10:** Keynote speaker. **Arcadi Navarro.** **Moderador:** Sara Monzón
"For more and Better Science. Big and Small Data Governance, Management & Sharing"
- 11:10:** Women in Science. **Nataly Buslón.** **Moderador:** Mónica Cabrera
"Sex and gender perspective in research"
- 11:30:** Break, online network gathering.
- 11:45:** Lightning talks for selected abstract as a poster. **Moderador:** Eva Tosco
- Tamara Hernández-Beeftink:** *SAMD9 and genetic determinants of 28-day sepsis survival*
- Eva Tosco-Herrera:** *Software assessment for variant prioritization of free and open-source software*
- Eva Suarez-Pajes:** *A fine mapping association study of the HLA in sepsis susceptibility*
- Almudena Neva-Alejo:** *An integrated single-nucleus transcriptomics approach to identify sex molecular differences in Alzheimer's disease*
- Irene Soler-Sáez:** *A single-cell and single-nuclei transcriptomics approach reveals novel sex differences in multiple sclerosis*
- Marina Murillo Recio:** *tRNAsudio: analysis of tRNA-seq datasets without the need of programming skills*
- Inés Rivero-García:** *Assessment of the generalizability of convolutional neural network coexpression analysis for the inference of gene regulatory networks from scRNA seq expression data*

Cristina Zamora-Ballesteros: *Genome-wide identification, characterization and functional analysis of defense-related long non-coding RNAs in non-model plant Pinus radiata*

Siddhant Sharma: *In silico characterization of prion-like domains in human protein families*

Miquel Anglada-Girotto: *Robustica: customizable robust independent component analysis*

12:00: Selected talks from students on bioinformatics. **Moderador:** Tamara Hernández

Ana Díaz-de Usera: *Whole exome sequencing of the Canary Islands population to unravel natural genetic variation*

Patricia Sánchez-Jiménez: *Transcriptomic exploration of the epileptogenic zone of drug-resistant temporal lobe epilepsy patients*

Javier Lanillos Manchón: *Clinically actionable pharmacogenetic landscape for pre-emptive use of diagnostic Whole Exome Sequencing*

Blanca Rodríguez-Fernández: *Genetically predicted Telomere Length and its relationship with major Neurological Diseases and Life Expectancy: A Mendelian Randomization Study*

13:00: Lunch break.

14:00: Selected talks from students on bioinformatics. **Moderador:** Javier Lanillos

Olfat Khannous-Lleiffe: *Microbiome profiling from Fecal Immunochemical Test reveals microbial signatures with potential for Colorectal Cancer screening*

Edurne Urrutia-Lafuentel: *A systematic review and meta-analysis of transcriptomic studies unveil sex differences in rheumatoid arthritis*

Héctor Rodríguez-Pérez: *NanoRTax, a real-time pipeline for taxonomic and diversity analysis of nanopore 16S rRNA amplicon sequencing data*

Miquel Àngel Schikora-Tamarit: *perSVade: personalized Structural Variation detection in your species of interest*

Roc Farriol-Duran: *Neutralizing antibodies as a therapeutic avenue for COVID-19*

David Martínez: *Dynamic A-to-I RNA Editing Landscapes during Aging Process*

15:30: Break.

16:00: Keynote speaker: **Laura Furlong.** Career advice talk. **Moderador:** Inés Rivero

"TBD"

17:00: Best communication prizes and conclusions. **Moderador:** Tamara Hernández