

## Bioinformatics Day February 20, 2024: Participant Poster Presenters

- Egert, Luisa** ..... All roads lead to astrocyte identity
- Ehm Tamara** ..... Decoding the COVID-19 Molecular Mosaic: Integrated Analysis of Protein Expression Dynamics and Histone Post-Translational Modifications in Circulating Immune Cells
- Fallon, Conrad** ..... The quantitative effect of transcription factor binding site affinity and sequence on enhancer activity.
- Gill, Jaskaran Singh** .. Applications of Deep Learning in Population history inference
- Janßen, Philipp** ..... Gene expression evolution in early primate development
- Kliesmete Zane** ..... Regulatory and coding sequences of TRNP1 co-evolve with brain size and cortical folding in mammals
- Kowalewski, Rafal** ..... Pinpointing positions of single proteins in cells
- Latzko, Lisa** ..... Evaluating Whole Genome Sequencing as Comprehensive Approach for Cancer Diagnostics
- Lin, Luming** ..... Genome-wide association analysis identifies three loci associated with post-TB lung function in African adults
- Merchant, Kevin** ..... Comprehensive structure activity relationship analysis for optimization of N23P-based IPF therapeutics using metaSAR model
- Mourra Diaz, Carlos Michel** ... Unraveling the evolutionary dynamics of transcription factor binding site acquisition within retrotransposon regulatory elements
- Pamar, Daksh Pratap Singh** ... Generalizing gRNA-design for CRISPRi from humans to other primates
- Pförtner, Felix** ..... Improving bulk RNA-seq protocols
- Prexler, Carolin** ..... Germline Variation in Pediatric Cancer Patients to Analyze Genetic Predisposition - a Trio WES Study
- Puzek, Barbara** ..... Genetics influence COVID-19 vaccine response
- Rabuffo, Claudia** ..... Comprehensive analysis of the 3D organization of unconventional genomes
- Richter, Maria** ..... Improving library size normalization in scATAC-seq data
- Rong, Yuying** ..... New laboratory and computational workflow to reveal the recombination landscapes in Brassica species through single-nucleus pollen sequencing
- Rosales-Becerra, Paulina** ... Comprehensive nascent RNA analysis based on metabolic labeling and nucleotide conversions
- Samoju, Rushmitha** ... Pyocyanin: A boon indeed
- Schmid, Katharina** ..... Benchmarking single cell copy number variant callers
- Térmeg, Anita** ..... Cross-species comparison of gene regulatory networks
- Tüysüz, Irem** ..... Identify patterns in mRNA to predict transcript half-lives in Trypanosoma using Saluki
- Vieth, Beate** ..... powsimR2: Using simulations for power analysis of cell type identification from single cell and single nuclei RNA-sequencing data
- Zhdanovich, Yauheniya** ... Single nucleus RNA profiling reveals potential therapeutic vulnerabilities in sinonasal carcinomas

**Bioinformatics Day 2024**

An informal symposium for junior scientists interested to find out how bioinformatics is being applied to biological and clinical questions in the Munich area.

Tuesday, **February 20, 2024**  
9:30-17:00

Small Lecture Hall of the Biomedical Center (BMC), Großhaderner Str. 9, 82152 Planegg-Martinsried

**Meet** **See** **Hear** **Ask**

**SPEAKERS:**  
**Eleftheria Zeggini** TUM / IZ-HMGU **Sebastian Vosberg** LMU Minkum  
**Ines Hellmann** LMU BioCenter **Andreas Mock** LMU Klinikum  
**Wencke Walter** MLL **Maria Solovey** LMU/IBMC **Dexing Chen** MFB  
**Gabriele Lubatti** IZ-HMGU **Markus Schmidt** LMU/IBMC  
**Tobias Straub** LMU/IBMC **Anna Danese** LMU/IBMC **Wasim Aftab** LMU/IBMC

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