

SBHD 2025 POSTER SESSION, TUESDAY, JUNE 17

Nr.	Name	Postertitle
1	Manar AbdAlazem	Identifying profiles of Aryl Hydrocarbon Receptor (AHR) activation of interacting tumor and immune cells that lead to secondary resistance
2	Sedra Abou Ghaloun	Benchmarking Feature Selection methods for Genetic Disease Risk Prediction
3	Lucas Arnoldt	Interpreting Epistatic SNP Interactions in Neural Networks for Disease Risk Prediction
4	Leylanur Bodur	Medical history predicts phenome-wide disease onset and enables cost-effective prevention programs based on German statutory insurance claims
5	Noel Danz	Technology-Empowered Utility for Research Tranquility and Language-Driven Exploration of Electronic Health Records at Mount Sinai (TURTLE)
6	Emmanuel Dollinger	A Statistically Principled Approach to Feature Selection in Single Cell Transcriptomics
7	Emre Taylan Duman	A single-cell strategy for the identification of intronic variants related to mis-splicing in pancreatic cancer
8	Leonard Eckhoff	Automating the Assessment of the Adult Attachment Interview Using Open-Source Large Language Models
9	Florian Herzler	All You Need Is Loss: ECG-Based Chagas Disease Screening Using Class-Imbalance-Aware Loss Strategies
10	Judith Hesse	Model-based analysis of chemotherapy effects using clinical, radiological and laboratory measurements
11	Marcel Jentsch	DEGDB: A Comprehensive Workflow for Integrating Geospatial Data in Biomedical Research
12	Zekai Lin	Research on a Multi-Agent Collaboration-Driven Self-Correcting Clinical Diagnosis Assistance System
13	Nelida Lopez Palau	Dynamic treatment regimen optimization for chronic diseases by reinforcement learning
14	Laura Matzner	Cord blood DNA methylation patterns associated with later atopic dermatitis are linked to maternal AD
15	Sophie McEwen	Upper airway immunity during SARS-CoV-2 infection changes with the infecting variant
16	Simon Merkt	A Dynamic Model for Waddington's Landscape Accounting for Cell-to-Cell Communication
17	Pablo Naranjo Meneses	Optimization of chemotherapeutic regimens using multi-objective reinforcement learning
18	Thao Thi Phuong Nguyen	A dynamic multivariate time-series framework for early risk stratification in Sepsis progression
19	Zhixin Niu	The feasibility of histone modifications for constructing epigenetic clocks

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20	Maren Philipps	Modelling the HPA axis: Mechanisms and individual variability in a human cohort
21	Jan Renziehausen	Evolution of the Airway Epithelium from Infancy to Old Age
22	Susanna Rizzi	Model-based optimization of chemotherapeutic drug administration trajectories to maximize synergism in cytotoxicity
23	Julia Schirmacher	Evaluating the Potential of Graph Neural Networks for Kidney Renal Clear Cell Carcinoma Classification
24	Viviane Timmermann	Integrated Systems Biology Approaches for Parameter Estimation in Cardiac Mechano-Electric Coupling Models
25	Julius Upmeyer zu Belzen	Benchmarking DNA large language models with Bayesian polygenic risk scores
26	Robin Van de Water	Scaling Up Clinical ML from Datasets to Entire Health Systems through the MEDS Ecosystem
27	Georg von Arnim	LLMs for Efficient Clinical Prediction using Unstandardized EHR Data
28	Xing Wang	SciSt: single-cell reference-informed spatial gene expression prediction from pathological images
29	Aurore Woller	Comparison of the circadian oscillators properties in healthy subjects and type 2 diabetic patients
30	Tonghua Zhang	MedFusionLLM: A Multi-Omics Clinical Large Language Model for One-Stage Precision Medicine and Intelligent Healthcare
31	Qihao Duan	JanusDNA: A Powerful Bi-directional Hybrid DNA Foundation Model
32	Andrea Lomagno	CoPPIs Algorithm: A Tool to Unravel Protein Cooperative Strategies in Pathophysiological Conditions