Closing Ceremony & Awards
Conference Statistics

• 79 countries
• Over 2,100 participants
• More than 650 talks
• Nearly 700 posters
• Over 26 hours of programming (live and semi-live)
• Exclusive on-demand access until Nov 30 for YOU

Thank you for engaging with us in our virtual world
Thank You

ISMB/ECCB 2021 Steering Committee
Thank You

Committees

Posters
Proceedings
Technology Track
Registration Fellowship
Tutorials and Workshops
COSI Leadership and Track Chairs
Special Session
COVID-19
Thank You

ISMB/ECCB 2021 Organizing Team

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Sponsors of the Representation Learning in Biology @ISMB/ECCB 2021
Awards
Special Session: Representation learning in biology
Best Talk Runner-Up

Paulina Szymczak
Uniwersytet Warszawski

HydrAMP: a deep generative model for antimicrobial peptide discovery
Best Talk

Hideki Yamaguchi
The University of Tokyo

Evotuning protocols for Transformer-based variant effect prediction on multi-domain proteins
Special Session: Emerging gain-of-function mutations and multi-omics network biology
Most Innovative Talk

Trey Ideker
University of California, San Diego, United States

Building the Mind of Cancer

Most Provocative Talk

Christopher Burge
MIT, United States

Hunting for functional genetic variants in human 3' UTR
COSI TRACK AWARDS
Bio-Ontologies
Best Poster

Sanya Taneja
University of Pittsburgh

Designing potential extensions from G-SRS to ChEBI to identify natural product-drug interactions
Best Presentation

Tiago Lubiana
University of São Paulo

Wikidata for 5-star Linked Open Databases: a case study of PanglaoDB
BioVis: Biological Data Visualizations
Best Abstract
Honorable Mention

Loon: Using Exemplars to Visualize Large Scale Microscopy Data

Devin Lange, Eddie Polanco, Robert Judson-Torres, Thomas Zangle and Alexander Lex
Grammar-Based Interactive Visualization of Genomics Data

Sehi L'Yi, Qianwen Wang, Fritz Lekschas and Nils Gehlenborg
BioVis 2021 Test-of-Time Award

RuleBender: Integrated visualization for biochemical rule-based modeling

Adam M Smith, Wen Xu, Yao Sun, James R Faeder, G. Elisabeta Marai
CAMDA: Critical Assessment of Massive Data Analysis
CAMDA 2021 Challenges
Third Prize

Dimitar Vassilev (Sofia University, Bulgaria) for his contribution "Discovering relationship between bacteriophages and antimicrobial resistance" (The Metagenomic Phage Forensics of Anti-Microbial Resistance)
CAMDA 2021 Challenges
Second Prize

Xianghao Zhan (Stanford University) for
his contribution "Filter Drug-induced Liver Injury (DILI) Literature with Natural Language Processing and Ensemble Learning" (The Literature AI for Drug Induced Liver Injury Challenge)
CAMDA 2021 Challenges
First Prize

Gonghua Li (Chinese Academy of Sciences & Massachusetts General Hospital) for his contribution "Targeting the host response in COVID-19 by integration of metabolic modeling and cheminformatics" (The Disease Maps to modelling COVID-19 Challenge)
CompMS: Computational Mass Spectrometry
Best Poster

Sven Giese

“millipede – A Deep Learning Library to Predict the Entire Mass Spectrometry Life Cycle of Proteins and Peptide”
Best Talk

Ayse Dincer

“Inferring peptide coefficients from quantitative mass spectrometry data”
EvolCompGen: Evolution & Comparative Genomics
Best Poster
Honorable Mention

Elliot Majlessi

Elliot Majlessi, Vignesh Sridhar, Joseph Burke, Neal Hammer, Janani Ravi.
Best Poster

Vignesh Sridhar

“Developing a machine learning approach to determine gene/protein features to classify bacterial groups”
Best Talk
Honorable Mention

Salvatore Cosentino
SonicParanoid2: Machine Learning-Driven Integration of Bidirectional Best Hit and Protein Domain Analysis for Faster and More Accurate Orthology.  
Salvatore Cosentino, Wataru Iwasaki.

Conor Walker
Accurate detection of interspecific positive selection using convolutional neural networks.  
Conor Walker, Nicola De Maio, Nick Goldman.

Mattéo Delabre
Super-Reconciliation with Horizontal Gene Transfers.  
Mattéo Delabre, Nadia El-Mabrouk.
Best Talk

Elise Parey

“Combining synteny and sequence-based approaches to investigate genome evolution after polyploidization”
RNA: Integrative RNA Biology
"Alternative Splicing Based Classification of Heterogeneous Cancers Reveals Novel Disease Subtypes"
NetBio: Network Biology
Best Poster

Lisa Röttjers
KU Leuven, Belgium

Fast and flexible analysis of linked microbiome data with mako
Best Talk

Olga Lazareva
Technical University of Munich, Germany

On the limits of active module identification
SysMod: Computational Modeling of Biological Systems
3rd Place Poster Presentation

Simulating drug effects on whole-cell level simulation

Bence Keömley-Horyáth, Attila Csikász-Nagy, and István Reguly, Pázmány Péter Catholic University, HU
2nd Place Poster Presentation

Boolean Network Inference at Different Levels of Logical Complexity

Eline S. van Mantgem, Gunnar W. Klau, Heinrich Heine Universität Düsseldorf, DE
1st Place TIE
Poster Presentation

Automated whole-cell modeling from genomic sequence and multi-omics data

Kazunari Kaizu, Kozo Nishida and Koichi Takahashi
RIKEN Center for Biosystems Dynamics Research, JP

An agent-based model of tumour-associated macrophage differentiation in chronic lymphocytic leukaemia

Nina Verstraete, Malvina Marku, Hélène Arduin, Marcin Domagala, Jean Jacques Fournié, Loic Ysebaert, Mary Poupot and Vera Pancaldi
Cancer Research Center of Toulouse INSERM UMR 1037, FR
TransMed: Translational Medicine Informatics & Applications
Best Poster Presentation

Juan Henao
Institute of Computational Biology, Biology Helmholtz- Zentrum München, Germany

Best Poster Presentation

Mark Wappett
Queens University, UK

SynLeGG: analysis and visualization of multiomics data for discovery of cancer ‘Achilles Heels’ and gene function relationships
The wearables for wellness pilot: data-enabled primary care in an LMIC context
Best Oral Presentation

Marius Herr
University Hospital Tübingen & University of Tübingen, Germany

Bringing the Algorithms to the Data - Secure Distributed Medical Analytics using the Personal Health Train
Best Oral Presentation

Riya Gupta
Khatri Labs, Stanford University, USA

Formulating a Gene Signature for Diagnosis of Autoimmune and Infectious Diseases
Best Oral Presentation

Yun Hao
University of Pennsylvania, USA

A novel feature selection pipeline for identifying predictive targets associated with drug toxicity
Best Poster Award

Awarded to the best student poster presentation in the category of Structure and Function Prediction. The award will consist of a related educational book.
PDB Best Poster Award

Tsukasa Nakamura
JSPS(PD) / Tohoku University

"Towards protein interface prediction using SE(3)-Transformer"
Ian Lawson Van Toch Memorial Award
Outstanding Student Paper
Outstanding Student Paper

Jamshed Khan
University of Maryland, USA

Cuttlefish: Fast, parallel, and low-memory compaction of de Bruijn graphs from large-scale genome collections
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Thank you!

WITH LOVE, ISCB