

VIZBI 2013 Posters

Wednesday 1:00 pm — Session A

A01 — CellOrganizer: Integrated Tools for Image-Derived Models

Ivan Cao-Berg, Aabid Shariff, Jieyue Li, Devin Sullivan, Tao Peng, Armaghan Naik, Gustavo Rohde, Robert F. Murphy

A02 — From Orthogonal Directed Hyperedges to “Nodes as Lines”: BioTapestry and BioFabric

William J.R. Longabaugh

A03 — Pipit: visualizing functional impacts of structural variations

Ryo Sakai, Matthieu Moisse, Joke Reumers, Jan Aerts

A04 — Visualizing sequencing and comparative genomics data with GenomeView

Thomas Abeel, Thomas Van Parys, Ashlee Earl, Bruce Birren, Yves Van de Peer

A05 — Feasibility of pattern discovery in modeling cognitive decline using the Weave platform

Ekaterina Galkina, Shweta Purushe, and Georges G. Grinstein

A06 — ‘shiny’ applications to exploRe biological data

Michaela Spitzer, Juri Rappsilber, Mike Tyers

A07 — BOMBASTIC: Block-Organized Model-Based Tree-Indexed Clustering

A Heilbut, X Zhu, P Tamayo, ME Hatten, E Kolaczyk, JP Mesirov

A08 — Collaboration-Driven Features of UCSF Chimera that Simplify Modeling and Animation

Eric Pettersen, Conrad Huang, Tom Goddard, Graham Johnson, Greg Couch, David Mischel, Scooter Morris, Elaine Meng, and Thomas Ferrin

vA01 — The Virtual Cell

Christoph Wolf, Daniel Erkan, Arash Nasir Tafreshi, Werner Baumgartner

Wednesday 6:30 pm — Session B

B01 — Redesigning the JCB DataViewer

L. Unson, C. Neves, C. Allan, J. Swedlow

B02 — WashU EpiGenome Browser

Xin Zhou, Ting Wang

B03 — OME’s Bio-Formats & OMERO. Open Source solutions for image data

William Moore, Chris Allan, Jason Swedlow et.al

B04 — Visual data presentation in a web-database of a multiparametric genome-wide screen

Mikhail Chernykh, Yannis Kalaidzidis, Giovanni Marsico, Claudio Collinet, Nikolay Samusik, Thierry Galvez, Marino Zerial

B05 — The BioVis 2013 Contest Wants You : Predicting the impact of mutations on protein function

William Ray, Christopher Bartlett, Raghu Machiraju

B06 — VIZBI+ Visualising the Future of Biomedicine

Kate Patterson, Sean O’Donoghue, Drew Berry, Christopher Hammang, Maja Divjak, Lidija Bosnjak, Christian Stolte

B07 — Physical Sculpture / Virtual App: Visualizing molecules with undergraduates

Dan Gurnon, Tom Goddard, Jacob Stanley, Julian Voss-Andreae, Dave Berque, Paul Fesenmeir

vB01 — Chipster genome browser

Petri Klemelä, Aleksi Kallio, Taavi Hupponen, Massimiliano Gentile, Jarno Tuimala, Ari-Matti Saren, Rimvydas Naktinis, Eija Korpelainen

Thursday 12:30 pm — Session C

C01 — Viewing LINCS Data with the UCSC Cancer Genomics Browser

Brian Craft, Teresa Swatloski, Mary Goldman, Kyle Ellrott, Melissa Cline, Christopher Wilks, Singer Ma, Christopher Szeto, Josh Stuart, David Haussler, Jingchun Zhu

C02 — LINCS Poster

Stephan Schurer

C03 — Dual Analysis of High-Dimensional Biological Data

Cagatay Turkey, Julius Parulek, Helwig Hauser

C04 — High throughput transcriptomics

Bang Wong, Aravind Subramanian, Josh Gould, Corey Flynn, Todd Golub, and the CMap team

C06 — Canvas Browser and Enrich: Interactive Web Apps for Visualization of L1000 Data

Qiaonan Duan, Edward Y. Chen, Christopher M. Tan, Aravind Subramanian, Mario Niepel, Peter K. Sorger, Avi Ma’ayan

C07 — Criteria for Visualizing Very Large Multiple Sequence Alignments

Alberto I. Roca

vC01 — BioLayout Express3D v3.0: Network Visualization & Analysis of Complex Data & Biol. Pathways

Derek Wright, Tim Angus and Tom C. Freeman

Thursday 5:00 pm — Session D

D01 — Clickme: An R package to visualize dataframes interactively

Nacho Caballero

D02 — Dynamic Biological Visualization in the Browser – 3D Modeling using WebGL

Katherine Celler, Roman I. Koning, Gilles P. van Wezel

D03 — OneZoom: A Fractal Explorer for the Tree of Life

James Rosindell

D04 — Interactive Visualization of Biomolecular Simulations

Michael Krone, Martin Falk, Thomas Ertl

D05 — Making protein structures discoverable

Kenneth Sabir, Sean O’Donoghue, Christian Stolte, Nelson Perdigão, Vivian Ho, Venkata P. Satagopam, Maria Kalemanov, David Ma, Burkhard Rost, Andrea Schafferhans

D06 — Visualising Transcriptional Regulatory Networks at Scale with TRNDiff

Xin-Yi Chua, James M. Hogan, Sean Chalmers, Amber Weightman, Xixin Zhou

D07 — The Hungry Microbiome

Christopher Hammang, Sean O’Donoghue, Christian Stolte, Drew Berry, Trevor Lockett, Julie Clarke, Leah Cosgrove, David Topping

vD01 — ProtocolNavigator: depicting experimental design for life sciences

Imtiaz Khan, Adam Fraser, Mark-Anthony Bray, Paul Smith, Anne Carpenter, Rachel Errington

Thursday 7:30 pm — Art & Biology Entries

Y01 — VIZBI 2013 conference poster

Seán O'Donoghue; Jim Procter; Bang Wong

Y02 — Outreach keynote: Communicating Science Visually

Felice Frankel

Y03 — The Virtual Cell

Christoph Wolf, Daniel Erkan, Arash Nasir Tafreshi, Werner Baumgartner

Y04 — BioFabric Displays the Human Interactome Network

William J.R. Longabaugh

Y05 — Visualizing 303 gene profiles on the Endosomics web-database

Mikhail Chernykh, Yannis Kalaidzidis, Giovanni Marsico, Claudio Collinet, Nikolay Samusik, Thierry Galvez, Marino Zerial

Y06 — wood grain

Henry Mehlan, Michael Hecker, Katharina Riedel, Jörg Bernhardt

Y07 — Atomistic Visualization of a Simplified Whole-Cell Simulation

Michael Krone, Martin Falk, Thomas Ertl

Y08 — Bioluminescence at the Cell Membrane Produced by NanoLuc and Furimazine

Maciek Smuga-Otto, Brian Rosenberg, Keith V. Wood, Monika G. Wood, Thomas Machleidt, and Matt B. Robers

Y09 — Kinesin with vesicle

Dan Gurnon

Y10 — The Hungry Microbiome

Christopher Hammang, Sean O'Donoghue, Christian Stolte, Drew Berry, Trevor Lockett, Julie Clarke, Leah Cosgrove, David Topping

Y11 — And they built fences to hide themselves

William Ray

Y12 — Peeled cell

Maciek Smuga-Otto

Y13 — Cellular Pop Art

Kate Patterson

Y14 — Eukaryotic Cell

Sera Thornton

Friday 1:00 pm — Session E

E01 — Streamgraphs for Biodata

Henry Mehlan, Michael Hecker, Katharina Riedel, Jörg Bernhardt

E02 — Using Reveal to visually detect significant SNPs in eQTL data

Günter Jäger, Florian Battke, Karsten Borgwardt, Kay Nieselt

E03 — inVEO: an integration and visualization platform

Oliver Schwengers, Tim. W. Nattkemper, Anke Becker, Alexander Goesmann

E04 — cBioPortal: A Gateway to Cancer Genomics

Gideon Dresdner, Jianjiong Gao, Bülent Arman Aksoy, Ugur Dogrusoz, Benjamin Gross, S. Onur Sumer, Yichao Sun, Anders Jacobsen, Rileen Sinha, Erik Larsson, Ethan Cerami, Chris Sander, Nikolaus Schultz

E05 — Cell Signaling Pathways App

Maciek Smuga-Otto, Michele Arduengo, Isobel Maciver

E06 — Redesigning Reflect: Automated & Community Annotation of Literature

Christian Stolte, Lars J Jensen, Heiko Horn, Sune Pretscher-Frankild, Kenneth Sabir, Seán I O'Donoghue