

VIZBI 2013 Program

Tuesday, March 19, 2013

9:00 am - 9:30 am

Registration
Lobby of 7 Cambridge Center

MORNING TUTORIALS (CHAIR: JAMES PROCTER)

9:30 am - 1:00 pm

Animation with Maya (Drew Berry)
Auditorium (Bldg 7CC, Auditorium)

9:30 am - 1:00 pm

Blender (Engel A. Sanchez)
Alto (Bldg 5CC, Rm 1305A)

9:30 am - 1:00 pm

Chimera (Scooter Morris)
Stratus (Bldg 5CC, Rm 1305B)

9:30 am - 1:00 pm

IGV - Integrative Genomics Viewer
(Jim Robinson & Helga Thorvaldsdottir)
Kilimanjaro (Bldg 7CC, Rm 6038)

9:30 am - 1:00 pm

Illustrator (Andrew Tang)
Cumulus (Bldg 5CC, Rm 1354)

9:30 am - 1:00 pm

Introduction to D3 (Christian Stolte)
Olympus (Bldg 7CC Rm 1001)

9:30 am - 1:00 pm

Tableau (Zach Leber)
Katahdin (Bldg 7CC, Rm 2001)

1:00 pm - 2:30 pm

Lunch Break

AFTERNOON TUTORIALS (CHAIR: JAMES PROCTER)

2:30 pm - 6:00 pm

Introduction to uPy, ePMV & autoPACK (Graham Johnson
& Merry Shiyu Wang & Fabian de Kok-Mercado)
Auditorium (Bldg 7CC, Auditorium)

2:30 pm - 6:00 pm

Genome Space (Michael Reich)
Alto (Bldg 5CC, Rm 1305A)

2:30 pm - 6:00 pm

Processing (Mark Schifferli)
Fathom (214 Cambridge Street, Boston, MA 02114;
By train: Charles MGH Station, Red Line)

2:30 pm - 6:00 pm

StratomeX & enRoute: Integrative Visualization with
Caleydo (Nils Gehlenborg & Alexander Lex)
Kilimanjaro (Bldg 7CC, Rm 6038)

2:30 pm - 6:00 pm

User experience design: empathy, insight and evaluation
(Francis Rowland)
Katahdin (Bldg 7CC, Rm 2001)

Building Abbreviations

7CC: 7 Cambridge Center, Cambridge MA 02142
5CC: 5 Cambridge Center, Cambridge MA 02142

Wednesday, March 20, 2013

8:30 am - 9:15 am

Registration

9:15 am - 9:30 am

Opening Remarks (Bang Wong)

9:30 am - 10:30 am

Keynote: Visual Analytics & HCI (Sara Irina Fabrikant)

10:30 am - 11:00 am

Break

BEYOND GENOME BROWSERS (CHAIR: JIM ROBINSON)

11:00 am - 11:30 am

Visualization of Epigenetic Data (Esther Rheinbay)

11:30 am - 12:00 pm

Epigenome Browsers (Ting Wang)

12:00 pm - 12:30 pm

Browsing 3D Genomes (W. Jim Zheng)

12:30 pm - 12:37 pm

BioVis Best Paper (Alexander Lex)

12:37 pm - 1:00 pm

Fast-forward for Poster Session 'A'

1:00 pm - 3:00 pm

Lunch Break + Poster Session 'A'

VISUALIZING TRANSCRIPT DATA (CHAIR: KAY NIESELT)

3:00 pm - 3:30 pm

RNA Structures & Alignments (Paul P. Gardner)

3:30 pm - 4:00 pm

Non-coding RNA (Gisela T. Storz)

4:00 pm - 4:30 pm

RNA Seq (Cole Trapnell)

4:30 pm - 5:00 pm

Break & Breakout Session Topic Announcement

5:00 pm - 6:00 pm

Breakout Session

6:00 pm - 6:30 pm

Fast-forward for Poster Session 'B'

6:30 pm - 8:30 pm

Dinner + Poster Session 'B' + Drinks sponsored by NVIDIA

Conference Rooms for Breakout Sessions in 7CC

Auditorium
Everest (Room 7001)
Fuji (Room 4001)
Katahdin (Room 2001)
Matterhorn (Room 6001)
Marcy (Room 3001)
Monadnock (Room 2040)
Rainier (Room 5001)

Thursday, March 21, 2013

9:45 am - 10:00 am
Announcements (Organizers)

VISUALIZING PROTEINS & COMPLEXES (CHAIR: VALERIE DAGGETT)

10:00 am - 10:30 am
Structures & Features (Seán O'Donoghue)

10:30 am - 11:00 am
Comparison & Assemblies (Thomas E. Ferrin)

11:00 am - 11:30 am
Break

11:30 am - 12:00 pm
Evolution of Protein Structure & Function (Ian Sillitoe)

12:00 pm - 12:07 pm
BioVis honorable mention (Martin Strauch)

12:07 pm - 12:30 pm
Fast-forward for Poster Session 'C'

12:30 pm - 2:30 pm
Lunch Break + Poster Session 'C'

VISUALIZING CELLULAR SYSTEM (CHAIR: LARSJUHL JENSEN)

2:30 pm - 3:00 pm
Proteomics Data (Martin Lee Miller)

3:00 pm - 3:30 pm
Biological Networks (Scooter Morris)

3:30 pm - 4:00 pm
Cellular Image Data (Peter Sorger & Bang Wong)

4:30 pm - 5:00 pm
Fast-forward for Poster Session 'D'

5:00 pm - 6:30 pm
Break + Poster Session 'D'

VIZBIART & BIOLOGY EVENING (CHAIR: ELINOR KARLSSON & BANG WONG)

6:30 pm - 7:30 pm
Keynote: Communicating Science Visually (Felice Frankel)

7:30 pm - 9:00 pm
Dinner, Art & Biology Workshop

8:15 pm - 8:45 pm
Industry Presentation: Scientific Discovery with TIBCO
Spotfire (Alexandra Vamvakidou, PerkinElmer)

Friday, March 22, 2013

9:15 am - 9:30 am
Announcements (Organizers)

9:30 am - 10:30 am
Keynote: Visual Design Principles (Martin Krzywinski)

10:30 am - 11:00 am
Break

VISUALIZING ORGANISM DATA (CHAIR: SEAN G. MEGASON)

11:00 am - 11:30 am
Developmental Anatomy (Sean G. Megason)

11:30 am - 12:00 pm
Genes & Geometry (Mark Henkelman)

12:00 pm - 12:30 pm
Physiology & Function (Daniel Haehn)

12:30 pm - 1:00 pm
Fast-forward for Poster Session 'E'

1:00 pm - 3:00 pm
Lunch Break and Poster Session 'E'

ALIGNMENTS & PHYLOGENETICS (CHAIR: INNA DUBCHAK)

3:00 pm - 3:30 pm
Infectious Disease Host/Pathogen Relationships (Bruno Sobral)

3:30 pm - 4:00 pm
Metagenomics (Susannah G. Tringe)

4:00 pm - 4:30 pm
Geographic & Evolutionary Visualization (Daniel Janies)

4:30 pm - 5:00 pm
Poster Awards & Closing Remarks (VIZBI Chairs)

Additional information

Wireless

Network: Broad (no password required)

Events Organizers

To contact Monica Concepcion, Lindsay Wetmore and Joana Brenckle, send email to: events@broadinstitute.org

Twitter

#vizbi