Sunday, October 2

3:00 pm	Check-in
5:15 pm	Reception (Bob's Stone Room)
6:00 pm	Dinner (Bob's Quiet Room)
7:30 pm	Refreshments available at Bob's Pub

Monday, Oct	ober 3
7:30 am	Breakfast (Dining Room - service ends at 8:45am)
9:00 am	Research Talk: Forough Arabshahi , UC Irvine Beyond LDA: A unified framework for learning latent normalized infinitely divisible topic models through spectral methods
9:30 am	Research Talk: Yuncong Chen, University of California, San Diego Building an active digital atlas for the mouse brainstem
10:00 am	Research Talk: Callie Federer , University of Colorado Denver A self-tuning memory network
10:30 am	Break
11:00 am	Janelia Science Tutorial: Jason Wittenbach Neuroscience
12:00 pm	Lunch (Dining Room - service ends at 1pm)
1:30 pm	Research Talk: Felix Gonda , Harvard University A distributed interactive framework for automatic segmentation of neuronal structures using deep neural networks
2:00 pm	Research Talk: Shu Kong, UC Irvine Automated biological image analysis using computer vision and machine learning
2:30 pm	Research Talk: Ksenia Konyushko, EPFL Active learning for biomedical image segmentation
3:00 pm	Break
3:15 pm	Tutorial: Callie Federer , University of Colorado Denver TensorFlow: An open source software library for machine intelligence
4:15 pm	Break
4:30 pm	Janelia Science Tutorial: Karel Svoboda Two-photon microscopy
5:30 pm	Break
6:00 pm	Dinner (Dining Room)
7:30 pm	Refreshments available at Bob's Pub

Tuesday, October 4

7:30 am	Breakfast (Dining Room - service ends at 8:45am)
9:00 am	Research Talk: Michal Lisicki, University of Guelph
	Learnina multi-modal structures with Bayesian ontimization



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9:30 am	Research Talk: Lane McIntosh , Stanford University Understanding uncertainty in sensory systems using deep learning
10:00 am	Research Talk: Manjari Narayan, Stanford University Statistical causal inference in the era of interventional neuroimaging
10:30 am	Break
11:00 am	Janelia Science Tutorial: Eric Schreiter Neural activity markers and sensors
12:00 pm	Lunch (Dining Room - service ends at 1pm)
1:30 pm	Research Talk: Agata Mosinska-Domanska , EPFL Interactive learning for biomedical image analysis
2:00 pm	Tutorial: Lane McIntosh, Stanford University
3:00 pm	Break
3:15 pm	Tutorial: Manjari Narayan, Stanford University Statistical tools to detect differences in populations of networks
4:15 pm	Break
4:30 pm	Janelia Science Tutorial: Roian Egnor Behavior
5:30 pm	Break
6:00 pm	Dinner (Dining Room)
7:30 pm	Refreshments available at Bob's Pub

Wednesday, October 5

7:30 am	Breakfast (Dining Room - service ends at 8:45am)
9:00 am	Research Talk: Marcel Nonnenmacher , Resesarch Center Caesar <i>Learning large-scale models of population dynamics from partial observations</i>
9:30 am	Research Talk: Maithra Raghu , Cornell University On the expressive power of deep neural networks
10:00 am	Research Talk: Maja Rudolph , Columbia University Exponential family embeddings
10:30 am	Break
11:00 am	Janelia Lab Head Talk: Jeremy Freeman
11:30 am	Janelia Lab Head Talk: Kristin Branson
12:00 pm	Lunch (Dining Room - service ends at 1pm)
2:00 pm	Research Talk: Nikhil Sapru , University of Guelph Accelerating training with Theano-MPI using binary reduction
2:30 pm	Tutorial: Marcel Nonnenmacher, Research Center Caesar
3:30 pm	Break
4:00 pm	Tutorial: Maja Rudolph , Columbia University Applied probabilistic modeling in Stan and Edward



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5:00 pm	Break
7:30 pm	Movie at the Alamo! (Those who do not go to the movie can have dinner at their leisure in Bob's Pub)

Thursday, October 6

Breakfast (Dining Room - service ends at 8:45am)
Research Talk: Shuang Song , University of California, San Diego <i>Privacy-preserving data analysis</i>
Research Talk: Artur Speiser , Research Center Ceasar Stochastic variational inference for spike prediction
Research Talk: Fariba Yousefi , University of Sheffield Unsupervised learning with imbalanced data via structure consolidation latent variable model
Break
Janelia Lab Head Talk: Stephan Saalfeld
Janelia Lab Head Talk: Srini Turaga
Lunch (Dining Room - service ends at 1pm)
Tour (optional - meet at reception)
Research Talk: Xiang Zhang , New York University Character-level convolutional networks for text classification
Break
Tutorial: Artur Speiser , Research Center Ceasar Algorithms for stochastic variational autoencoders
Group Discussion
Break
Dinner (Dining Room)
Refreshments available at Bob's Pub

Friday, October 7

7:30 am	Breakfast (Dining Room - service ends at 8:45am)
9:30 am	Janelia Lab Head Talk: Philipp Keller
10:00 am	Janelia Lab Head Talk: Marta Zlatic
10:30 am	Break
11:00 am	Wrap-up Discussion
12:00 pm	Lunch / Departure
12:30 pm	First shuttle departs for Dulles
1:30 pm	Second shuttle departs for Dulles
2:30 pm	Last shuttle departs for Dulles

