Poster Session Listing
Computational Discovery in Complex Systems Biology

1) Guido Scarabelli* and Barry J. Grant, *Characterizing the allosteric effect of nucleotide and inhibitor binding to the kinesin motor domain*

2) Hagenauer M.H.*, Li J.Z., Turner C.A., Medina A.M., Bunney W.E., Myers R.M., Barchas J.D., Schatzberg A., Watson S.J., Akil H, *Introducing a novel method to extract cell-type specific information from heterogenous brain samples*

3) Daniel Faghihnia, Edison Ong, Zuoshuang Xiang, Bin Zhao, Yongqun He*, *Ontology-based Deep Integration of Biological Interactions and Pathways*

4) Xin-Qiu Yao1, Lars Skjærven, Shashank Jariwala*, Julien Idé and Barry J. Grant, *Bio3D: Interactive Tools for Structural Bioinformatics*

5) Divya Kriti M.S.*, Dr Barry Grant Ph.D, *Phylogenetic Analysis of Kinesins using Bayesian Inference methods*

6) Madhuresh Sumita*, Richard R. Neubig, Shuichi Takayama, Jennifer J. Linderman, *Band-pass processing in a GPCR calcium signaling*

7) Xin-Qiu Yao*, Lars Skjærven, and Barry J. Grant, *Characterizing Nucleotide Dependent Allostery In G-Proteins With Molecular Dynamics And Normal Mode Analysis*

8) Yaya Zhai*, Alfred O. Hero, *Novel period estimation method for unevenly observed biological data*

9) Kevin M. Bakker*, *Climatic drivers of seasonality in historical childhood disease outbreaks*

10) Maxwell DeNies*, Alexey Nesvizhskii, Santiago Schnell, and Allen Liu, *Characterization of the Dynamic Clathrin-Coated Pit Proteome*

11) Sanjeeva J. Wijeyesakere, and Rudy J. Richardson*, *Molecular Dynamics Simulations of Patatin17 and the Patatin Domain of Neuropathy Target Esterase in Complex with Organophosphorus Compounds*

12) Zhengda Li*, Qiong Yang, *Design Principle of the Biological Oscillators*

13) Elsje Pienaar*, Will Matern, Joel Bader, Jennifer Linderman, Denise Kirschner, *A hybrid multi-scale model of tuberculosis maps bacterial metabolic scale dynamics to host tissue scale infection outcomes*

14) Hayley Warsinske*, Jennifer J. Linderman, Bethany Moore, Denise E. Kirschner, *Identifying Key Mechanisms in Fibrotic Dysregulation Using a Systems Biology Approach*

15) Stephanie Dyson*, Lourdes Cucurull-Sanchez, Christopher Larminie, Marika Kullberg and Jon Timmis, *An Agent-Based Approach to Modelling Intestinal Inflammation*

16) Simeone Marino*, Nicholas A. Cilfone, Joshua T. Mattila, Jennifer J. Linderman, JoAnne L. Flynn, Denise E. Kirschner, *Macrophage polarization drives granuloma outcome during Mycobacterium tuberculosis infection*

17) Cordelia Ziraldo*, Chang Gong, Denise E Kirschner, Jennifer J Linderman, *Strategic Priming with Multiple Antigens Can Yield Memory Cell Phenotypes Optimized for Infection with Mycobacterium tuberculosis*

18) Pranav Khambete*, *(Reference Pending)*

* PRESENTERS