Session CIBCB-1: Keynote Lecture
Monday, March 30, 9:30AM-10:30AM, Room: Hermitage D, Chair: Kay C. Wiese, Simon Fraser University, Canada

Bringing Biological Models to Life: The Power of Agent-based Modeling and Visualization
Christian Jacob
University of Calgary, Canada

Session CIBCB-2: NIH Invited Special Session and Panel
Monday, March 30, 11:00AM-1:00PM, Room: Hermitage D, Chair: Gary Fogel, Natural Selection, Inc., USA

Cyberinfrastructure and Computational Intelligence: Recent Experience and Current Activities at NSF in Fostering Transformative Cyber-Enabled Research
Fahmida Chowdhury and Edward Seidel
National Science Foundation, United States

Transforming Behavioral Medicine: Cyberinfrastructure in Cancer Prevention and Control
Abdul R. Shaikh and Bradford W. Hesse
National Cancer Institute, National Institutes of Health, United States

A Role for Systems Science Methodologies in Addressing Complexity in Population Health
Patricia L. Mabry and Stephane Philogene
National Institutes of Health, United States

NIH and BBTC Panel and Open Discussion
Gary Fogel and Fahmida Chowdhury
NSI, United States; NSF, United States

Session CIBCB-3: AI and Machine Learning in Bioinformatics 1
Monday, March 30, 2:00PM-4:00PM, Room: Hermitage D, Chair: Gary Fogel, Natural Selection, Inc., USA

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Herbert H. Tsang and Kay C. Wiese
Simon Fraser University, Canada

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Shah Jalal University of Science and Technology, Bangladesh

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Amin Assareh and L. Gwenn Volkert
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Jaine Blayney, Haiying Wang, Huiru Zheng and Francisco Azuaje
University of Ulster, Northern Ireland; Public Research Centre for Health, Luxembourg

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Marta Szachniuk, Mariusz Popenda, Ryszard Adamiak and Jacek Blazewicz
Institute of Bioorganic Chemistry, Polish Academy of Sciences, Poland; Institute of Computing Science, Poznan University of Technology, Poland

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Jiri Novak and David Hoksza
Charles University in Prague, Czech Republic

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Jennifer Hallinan, Matthew Pocock, Stephen Addinall, David Lydall and Anil Wipat
Newcastle University, United Kingdom

Modeling oncology gene pathways network with multiple genotypes and phenotypes via a copula method

Le Bao, Zhou Zhu and Jingjing Ye
Department of Statistics, University of Washington, Seattle, United States; Pfizer Global Research and Development, Pfizer Inc., United States

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