**CCBGM Biannual Meeting – Draft Agenda**

**Thursday, May 2, 2019**

7:30 – 8:15 a.m. Continental Breakfast Available/Closed Meeting of IAB

8:15 – 8:20 a.m. Welcome Remarks – COE Dean has been invited

8:20 – 8:35 a.m. State of the Center Report – Ravi Iyer & Liewei Wang

8:35 – 8:50 a.m. Dmitri Perkins – NSF/IUCRC Presentation

8:50 – 9:05 a.m. Evaluator Comments/Life Forms– Dee Hoffman

Funded project reports – 20 minute presentations, 5 minute Q&A, 10 minutes Life Forms

9:05 – 9:40 a.m. Information-Compression Algorithms for Genomic data Storage and Transfer (Milenkovic, Weipert)

9:40 – 10:15 a.m. From Analytics to Cognition: Taking Genomics to the Bedside (Iyer/Weinshilboum)

10:15 – 10:30 a.m. BREAK

10:30 – 11:05 a.m. Improving the Accuracy of Genomic Variant Calling Through Deep Learning (Chen, Klee, Lumetta)

11:05 – 11:40 a.m. Scaling the Computation of Epistatic Interactions (Mainzer, Lipka, Erkekin-Taner

11:40 – 12:15 p.m. Algorithms for Experimental Study Design in Cancer Genomics (El-Kebir, Koyejo, Chia)

12:15 – 1:15 p.m. LUNCH

Proposed Project/for IAB funding consideration – 15 min presentation, 5 Q&A, 10 min Life Forms

1:15 – 1:45 p.m. Design and Assessment of Secure Genomic Pipeline (Kalbarczyk, and Mayo collaborators)

Pre-Proposals for Development and Discussion – 15 min presentation, 5 Q&A, 10 min Life Forms

1:45 – 2:15 p.m. Machine Learning and Neurodegenerative Diseases (Iyer)

2:15 – 2:45 p.m. Title to be determined (Athreya)

2:45 – 3:05 p.m. BREAK

Pre-Proposals for Development and Discussion – 15 min presentation, 5 Q&A, 10 min Life Forms

3:05 – 3:35 p.m. Using Machine Learning to Discover Hidden Signatures in Mass Spectrometry-Derived Data (Dr. Akhilesh Pandey, Mayo Clinic)

3:35 – 4:20 p.m. Panel Session – IAB Member Companies. Identifying and Developing Thrusts for Future Research Projects

4:20 – 4:30 p.m. Introduction to Poster Session (Student Presenters)

6:00 – 8:30 p.m. Conference Dinner and poster session

**Friday, May 3, 2019**

7:30 – 8:00 a.m. Arrival and Continental Breakfast

8:00 – 9:00 a.m. LIFE Form Review and Discussion - All Participants

Dee Hoffman, Ph.D., CCBGM Evaluator, Moderator

9:00 – 9:30 a.m. Live Response and Q&A for Projects

*9:30 – 11:00 a.m. IAB – Closed-Door Meeting, IAB Members and NSF - Boardroom*

9:30 – 10:30 a.m. Industry Panel – building on the panel session from previous day. Discussion includes identifying the driving forces in ML and health data analytics; how will the landscape change in the next 5 years; how do we plan for this.

10:30 – 11:00 a.m. Ask the Directors – Q&A for industry guests

11:00 – 11:30 a.m. IAB Report Out, Discussion

11:30 – 11:50 a.m. Action Items and Plans for Next Meeting

11:50 – noon Summary and Closing Remarks

Ravi Iyer, Ph.D., Center Director, Univ. of Illinois

Liewei Wang, M.D., Ph.D., Center Co-Director, Mayo Clinic