Workshop
Artificial Intelligence in Medicine - The Future is Now
July 19, 2018
Mayo Civic Center - Room 112/113

8:45 – 9:30 am  Registration. Continental Breakfast, Posters, & Networking

9:30 – 9:40 am  Welcome and Introductions
Keith Stewart, Director, Center for Individualized Medicine, Mayo Clinic
Andreas Cangellaris, Provost, University of Illinois at Urbana-Champaign (UIUC)

9:40 – 10:10 am  Keynote – “Why Artificial Intelligence is Important to Medicine”
Andrew Limper, Associate Dean of Practice Transformation, Center for the Science of Healthcare Delivery, Mayo Clinic

10:10 – 10:40 am Artificial Intelligence Overview – “What Does it all Mean?”
Ravi Iyer, Professor, Dept. of Electrical and Computer Engineering, UIUC

Real World Success Stories of Artificial Intelligence in Medicine

10:40 – 11:05 am Cardiology: “Left ventricular systolic function with electrocardiograms using machine deep learning”
Francisco Lopez-Jimenez; Itzhak Zachi Attia, Mayo Clinic

11:05 – 11:30 am Psychiatry:
Arjun Athreya, UIUC; with intro by Richard Weinshilboum, Mayo Clinic

11:30 – 12:30 pm Lunch
Discovery Square - Chris Schad, Director of Business Development, Discovery Square Medical Alley - Frank Jaskulke, Vice President, Intelligence, Medical Alley

12:30 – 12:45 pm Remarks from Greg Gores, Executive Dean for Research, Mayo Clinic

Real World Success Stories of Artificial Intelligence in Medicine

12:45 – 1:10 pm Neurology: “Spatial & Temporal Epileptic Seizure Forecasting”
Gregory Worrell, Mayo Clinic; Yoga Varatharajah, UIUC

1:10 – 1:35 pm Imaging: “AI in Radiology - A disruptive force of change or technical fad?”
Amando Manduca, Mayo Clinic

1:35 – 2:35 pm Artificial Intelligence Technology Panel – Facilitator, Eric Klee, Mayo Clinic
Infosys - Venky Ananth; Numares AG - Philipp Pagel; Epic - James Hickman; UIUC - Mohammed El-Kebir, Sanmi Koyejo, Jian Peng

2:35 – 2:55 pm BREAK

2:55 – 3:45 pm Clinicians and Informaticians Panel – Facilitator, Kiaran McGee, Mayo Clinic
Mayo Clinic - Robert Diasio, James Ingle, Prashanthi Vemuri, Nicholas Chia

3:45 – 4:00 pm Where do we go from here?
Ravi Iyer, UIUC

4:00 pm Informal Round Table Discussions

Organizing Committee: Richard Weinshilboum, MD (Mayo), Liewei Wang, MD, PhD (Mayo), Kiaran McGee, PhD, (Mayo), Konstantinos Lazaridis, MD (Mayo), Eric Klee, PhD (Mayo), Ravi Iyer, PhD (UIUC)

Sponsoring Organizations: Center for Computational Biotechnology and Genomic Medicine (CCBGM), University of Illinois, Urbana – Champaign, Mayo Clinic – Center for Individualized Medicine, Center for Artificial Intelligence Driven Health Data Systems and Analytics (UIUC)