Big Data to Knowledge (BD2K) Summer Research Training Program in Biomedical Big Data Science

BD2K-LINCS Summer Research Fellows training in the Ma’ayan Laboratory conduct faculty-mentored independent research projects in the following areas:

• Data Harmonization
• Cloud Computing
• Machine Learning
• Dynamic Data Visualization

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AGENDA 10:00 – 10:05 AM: Avi Ma’ayan PhD INTRODUCTION

10:05 – 10:15 AM: Damon Pham
Gene Set Enrichment Analysis with Deep Learning

10:15 – 10:25 AM: Zaire Bryant
Global Analysis of Gene Sets and Signatures Associated with Senescence

10:25 – 10:35 AM: Justin Williams
Drug Repurposing Strategies for Alzheimer’s Disease

10:35 – 10:45 AM: Allison Seiden
Analysis of Gene Sets Extracted from a GWAS of the UK Biobank

10:45 – 10:55 AM: David Szanto
Web and Mobile App for Predicting Physiological Age from Lab Tests and Vital Signs

10:55 – 11:05 AM: Samuel Maltz
Gene Expression Imputations with the Latent Space of RNA-seq Data from ARCHS4

11:05 – 11:15 AM: Alessandra LaRocco
Predicting Novel Targets and Drugs to Induce Autophagy

11:15 – 11:25 AM: Andrew Warburton
Collections of Disease and Drug Centric Signatures and Gene Sets

11:25 – 11:35 AM: Ingrid Shu
KEA3: Kinase Enrichment Analysis 2019 Update

11:35 – 11:45 AM: Justin Williams
A System to Transform the Scientific Review Process

11:45 – 11:55 AM: Elizabeth Jung
Assessing and Improving the FAIRness of Common Fund Programs’ Digital Resources

11:55 – 12:05 PM: Kaeli Rizzo
Predicting the Function and Disease Associations of Under-Studied GPCRs, Ion Channels, and Protein Kinases

Join us on Thursday, August 8th at 10:00 AM, Annenberg Building, 19th Floor, Conference Room 19-79