3rd Annual Data and Life Science Collaboration & Symposium
CWRU Tinkham Veale University Center
August 3-4, 2017

CHECK ALL / ANY SESSIONS YOU WILL BE ATTENDING
*Registration and Breakfast will start at 7:30

*THURSDAY, AUGUST 3RD
☐ 8:45—9:45 Symposium Opening and Keynote Lecture @ TVUC Ballroom A
Keynote Lecture: “Value Based Leadership”
Speaker: Stephen McHale - Founder, CEO and Chairman of Explorys; Managing Director of 23Bell LLC

MORNING WORKSHOPS
☐ 10:00—11:20AM Session 1A: Materials Data Science @ TVUC Senior Classroom
Topics:
Recent Studies on Preparation & Application of Uniform Nanoparticles—Atsushi Muramatsu (Tohoku University)
Understanding of Materials Performance through Data Analytics—Jennifer Carter (CWRU)
Metal Additive Manufacturing: A Review of Techniques and Mechanical Properties—John Lewandoski (CWRU)
Data Science Approach for PV Module Degradation in Real-world and Accelerated Exposures—Laura Bruckman (CWRU)

☐ 10:00—11:20AM Session 1B: Big Data and Biological Complexities @ TVUC Ballroom A
Topics:
Multi-Scale Integrative Analytics to Decode Complex Disease Mechanisms—Vinay Varadan (CWRU)
Protein Structural Perspective of Single Nucleotide Variants in Human Genes—Hafumi Nishi (Tohoku University)
IntLiM: Integrating Metabolomics and Gene Expression Data using Linear Models—Ewy Mathe (OSU)
Non-photosynthetic Evolution of Photosynthetic Bacteria Living Inside a Cell—Takuro Nakayama (Tohoku University)

☐ 11:30—12:00 Poster Preview @ TVUC Ballroom B
☐ 12:00—1:45 Poster Session & Lunch @ TVUC Ballroom B & C

AFTERNOON SESSIONS
☐ 2:00—3:20PM Session 2A: Engineering Data Science and Analytics @ TVUC Senior Classroom
Topics:
Natural Language Processing—Naho Orita (Tohoku University)
SIG-Blocks: Tangible Game Technology for Cognitive Assessment—Kiju Lee (CWRU)
Learning about Physical Parameters—the Importance of Accounting for Model Error—Jenny Brynjarsdottir (CWRU)

☐ 2:00—3:20 Session 2B: Big Data and Healthcare @ TVUC Ballroom A
Topics:
Computational Imaging and Precision Medicine: It’s not just about Genes and Proteins—Anant Madabhushi (CWRU)
An Atlas of Clinical Traits within Three-dimensional Protein Structures—William Bush (CWRU)
Data-Driven Approaches to Disease Understanding and Drug Discovery—Rong Xu (CWRU)
Building Data-Driven Occupational Safety and Health Libraries over the Cloud, the Edge and End Devices—Ming-Chun Huang (CWRU)

*FRIDAY, AUGUST 4TH, 2015 (all sessions will be in TVUC Senior Classroom except where indicated)
☐ 8:15-9:50AM Entrepreneur Workshops
Speakers:
Overview of CWRU Innovation Programs—Mark Chance (CWRU)
Data Use Agreements and Software Licenses—Stacy Fening (CWRU)
Nanotechnology & Cancer—Nicole Steinmetz (CWRU)
Imaging Technology in Brain Tumor Diagnosis—Pallavi Tiwari (CWRU)
Huntington’s Disease: Target identification and Drug Discovery—Xin Qi (CWRU)

☐ 9:50—11:10 Student Oral Presentations
☐ 11:15—11:45 Awarding and Closing Remarks
Award of Best in Oral Presentation
Best Posters
☐ 11:45—1:00 Lunch and Poster Session @ TVUC Ground Floor Lobby

Attendee Name:
School/Department:

Email/Fax completed form to mxd235@case.edu or 216.368.6846