

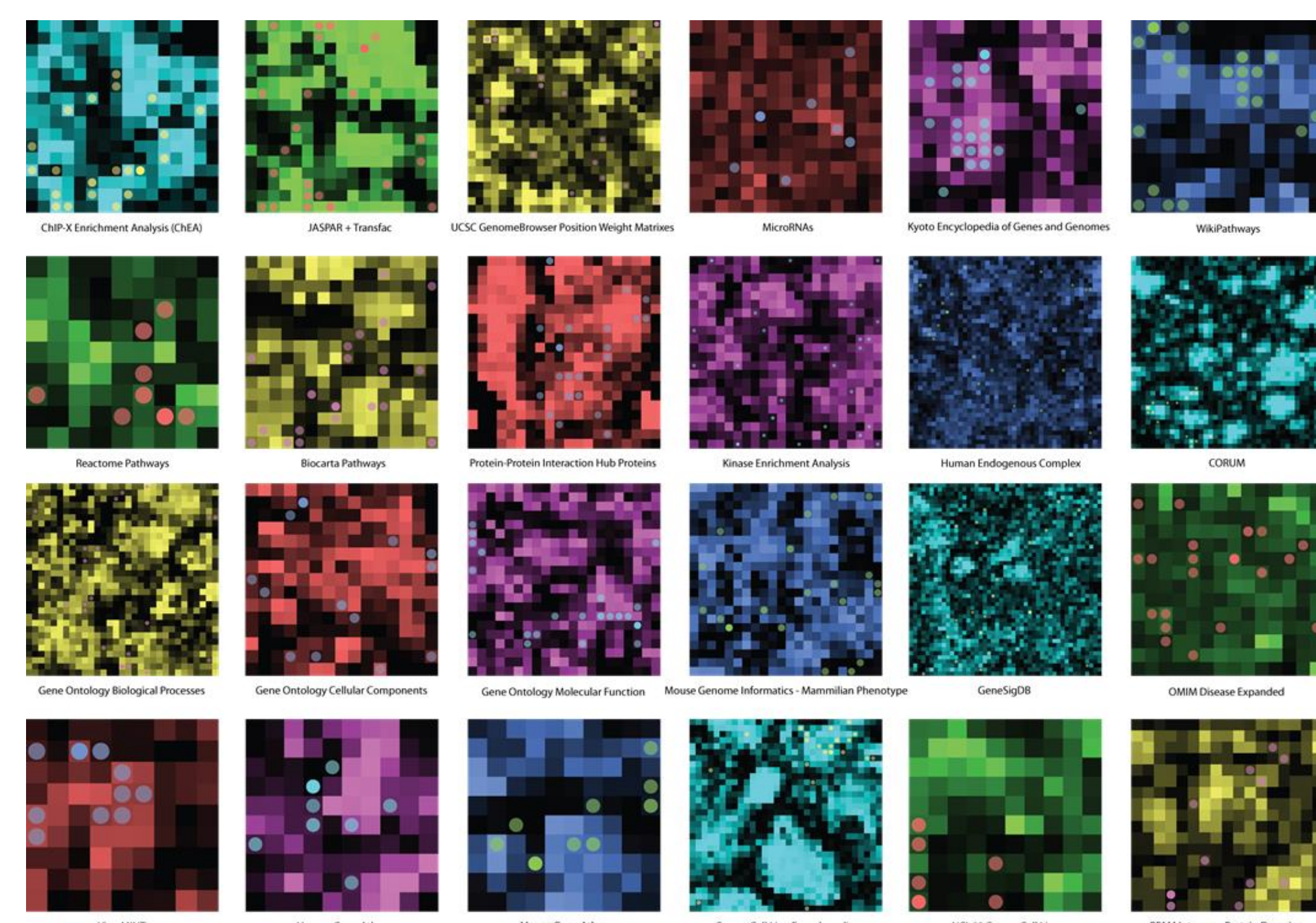
# 2015 Summer Research Training Program in BIOMEDICAL BIG DATA SCIENCE

sponsored by the Big Data to Knowledge (BD2K) **Data Coordination and Integration Center (DCIC)** for the Library of Integrated Network-based Cellular Signatures (LINCS)

Participate in cutting-edge research projects aimed at solving data-intensive biomedical problems

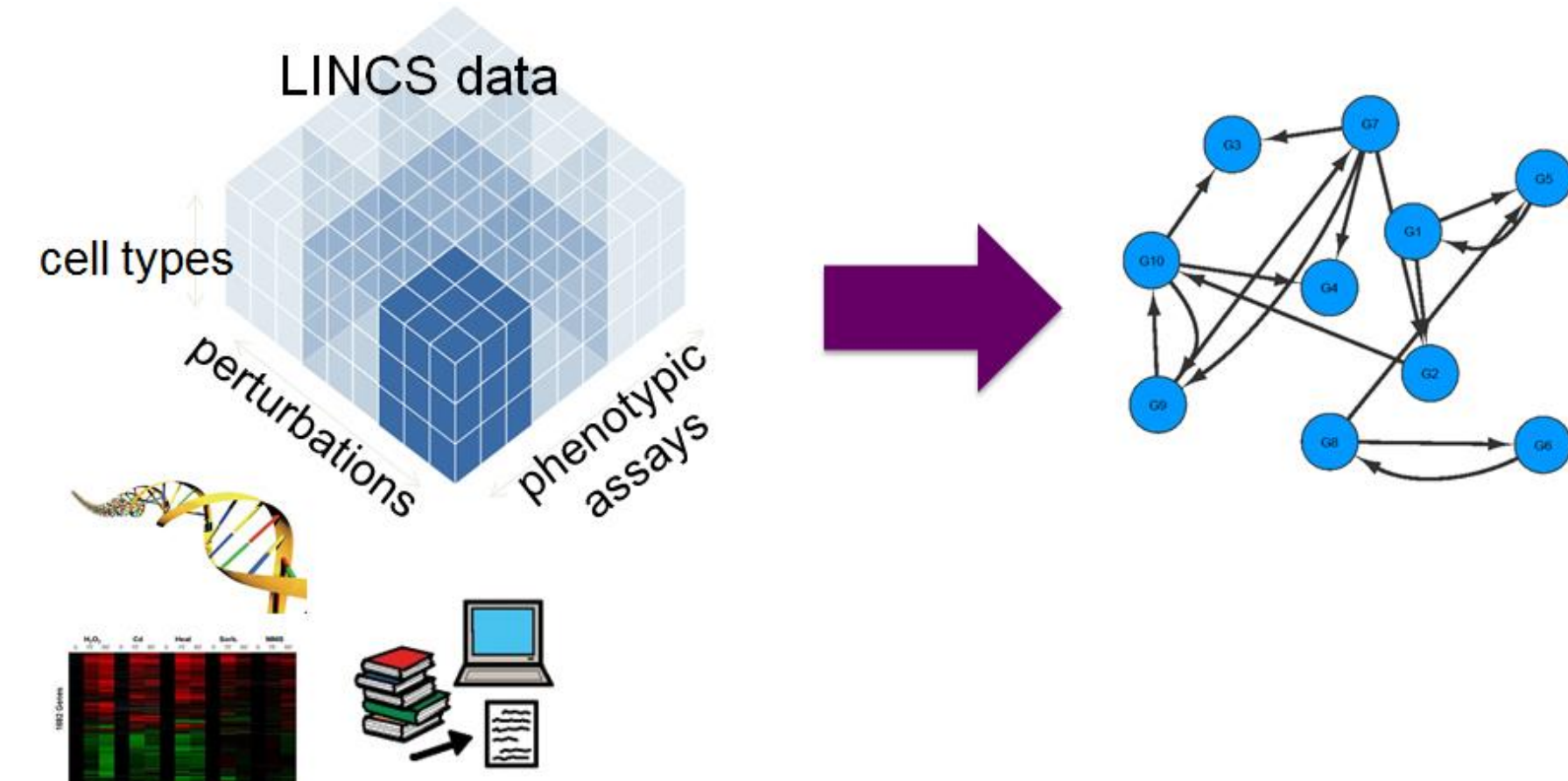
## BD2K-LINCS Data Coordination and Integration Center

Icahn School of Medicine at Mount Sinai  
[Ma'ayan Laboratory of Computational Systems Biology](#)



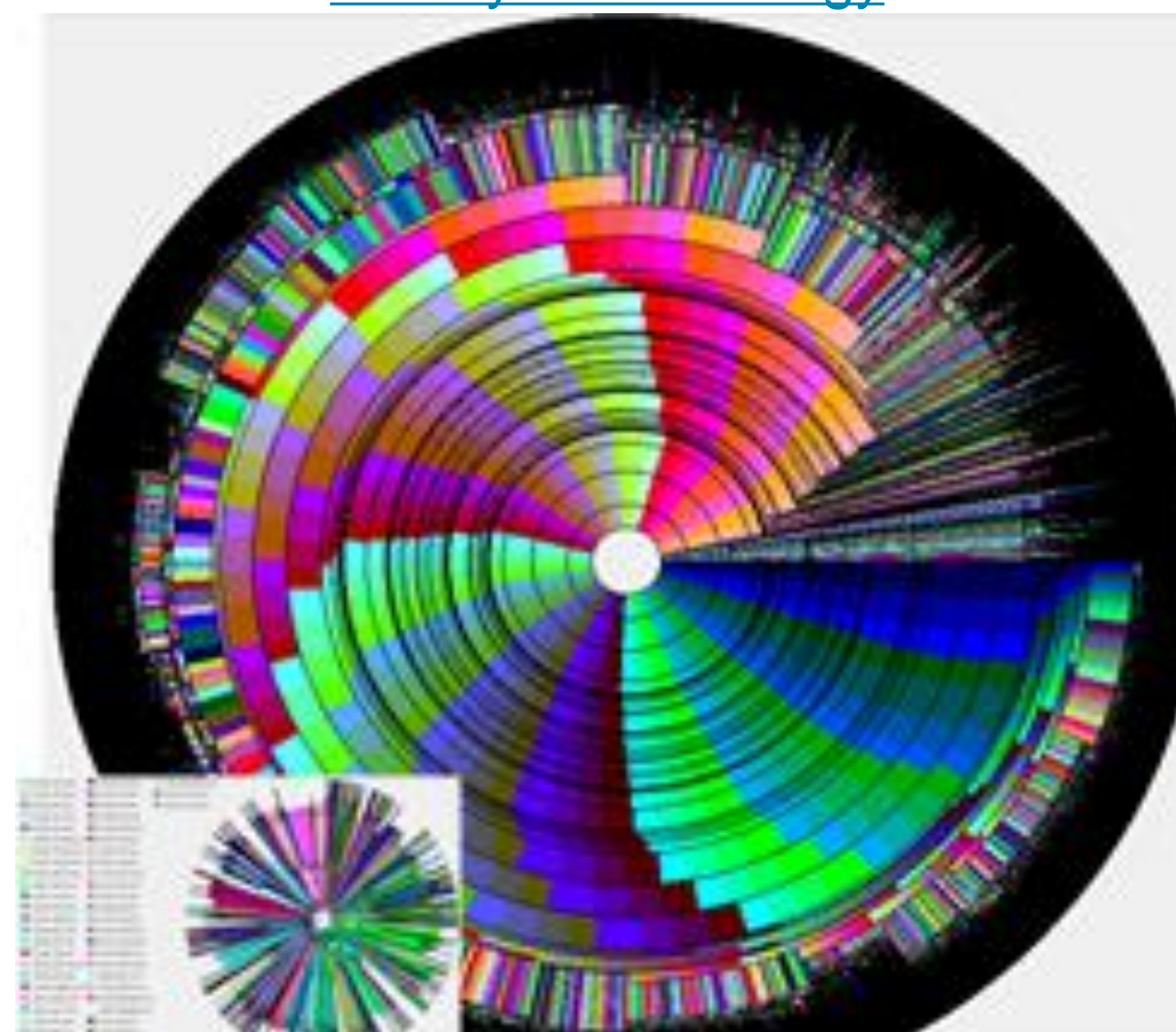
- Dynamic Data Visualization
  - Machine Learning
  - Data Harmonization

University of Washington  
[Yeung / Computational Systems Biology Group](#)



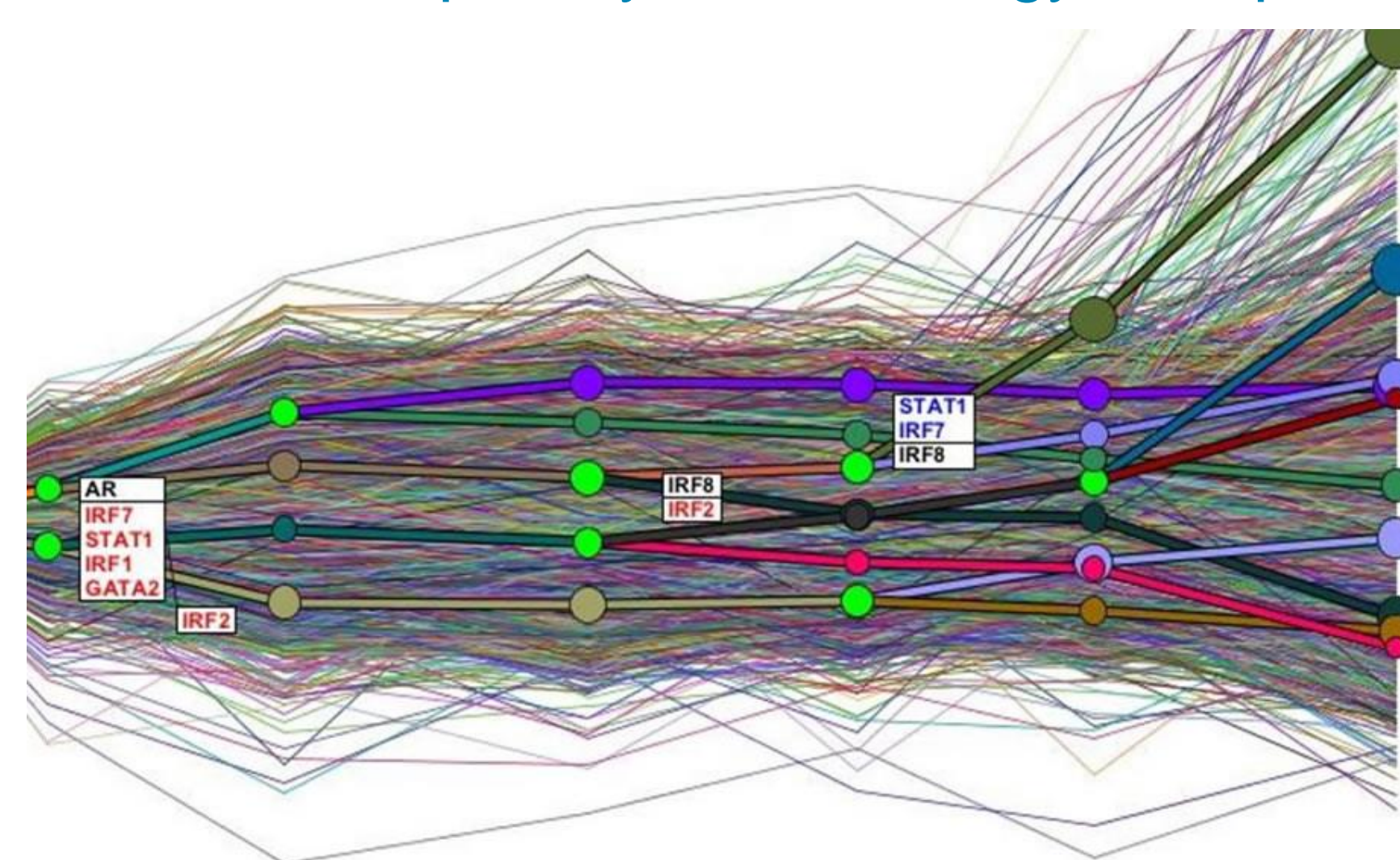
- Machine Learning
- Data Integration
- Network Visualization Plugins

University of Cincinnati  
[Medvedovic Laboratory for Statistical Genomics and Systems Biology](#)



- Bayesian Networks
- Data Integration
- Statistical Mining

Carnegie Mellon University  
[Bar-Joseph / Systems Biology Group](#)



- Machine Learning
- Time Series Analysis
- Transcriptional Regulatory Networks



Research intensive **ten-week** training program offered at six sites affiliated with our NIH-funded BD2K Center:

- New York, NY: Icahn School of Medicine at Mount Sinai, Avi Ma'ayan PhD
- Cincinnati, OH: University of Cincinnati, Mario Medvedovic PhD
- Miami, FL: University of Miami, Stephan Schurer PhD
- Tacoma, WA: University of Washington, Ka Yee Yeung PhD
- Pittsburg, PA: Carnegie Mellon University, Ziv Bar-Joseph PhD
- Danvers, MA: Cell Signaling Technology, Peter Hornbeck PhD

**Program Dates:**  
June 1, 2015 - August 7, 2015

**Award:**  
\$4000 stipend for the ten-week training period

**Eligibility:**  
To be considered for this program, applicants must be:

- US citizens or permanent residents
- an undergraduate or master's student in good academic standing

**Who Should Apply:**

- Students majoring in Computer Science, Informatics, Mathematics, Statistics, Physics, Engineering, Chemistry/Chemical Sciences and Biological Sciences who have an interest in Biomedical Big Data Science.
- Women and members of minority groups are strongly encouraged to apply.

**Online Application Form**

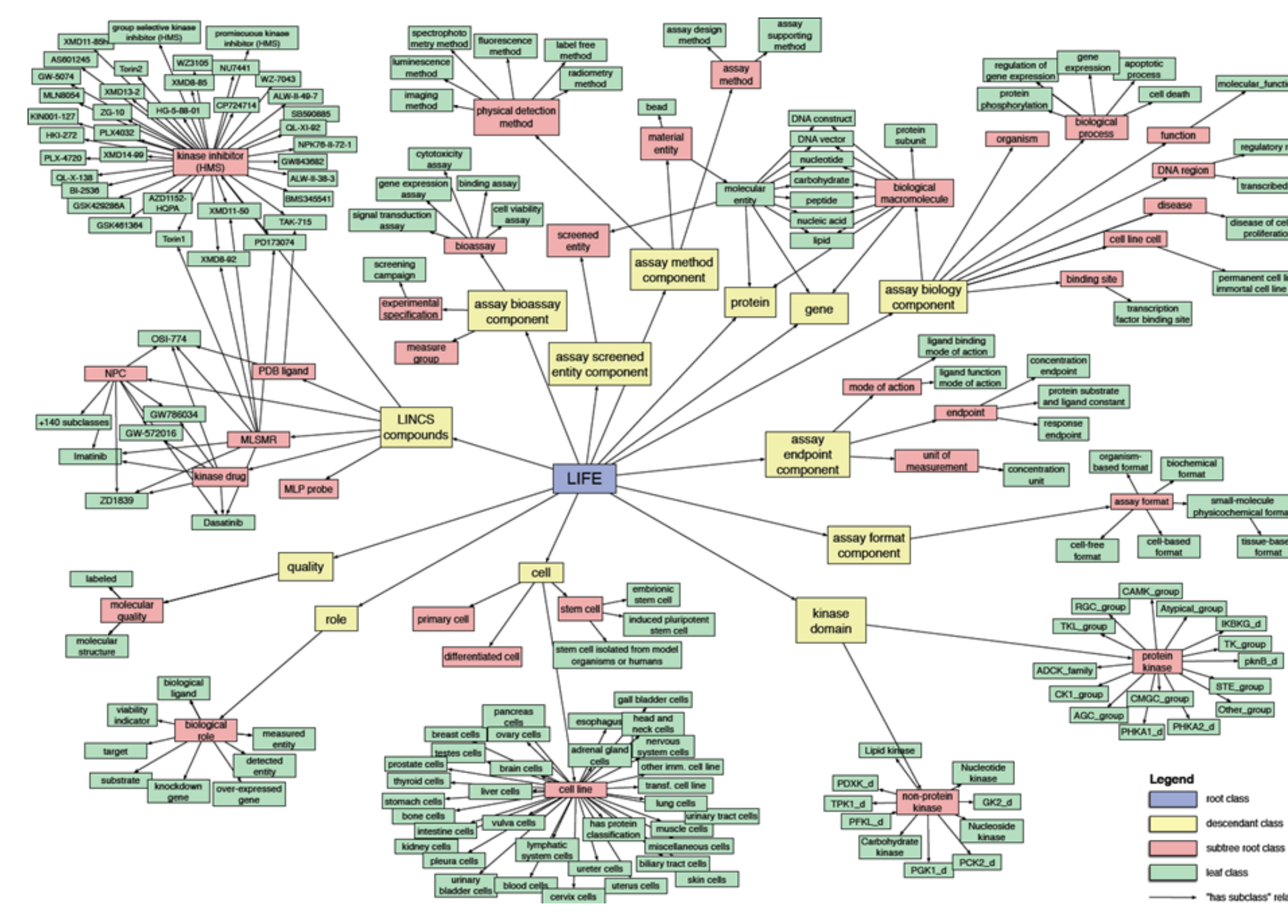
<http://tinyurl.com/m6tkq6p>

**Application Deadline:**  
March 2, 2015 at 11:00 PM Eastern Time

[@BD2KLINCSDCIC](#)

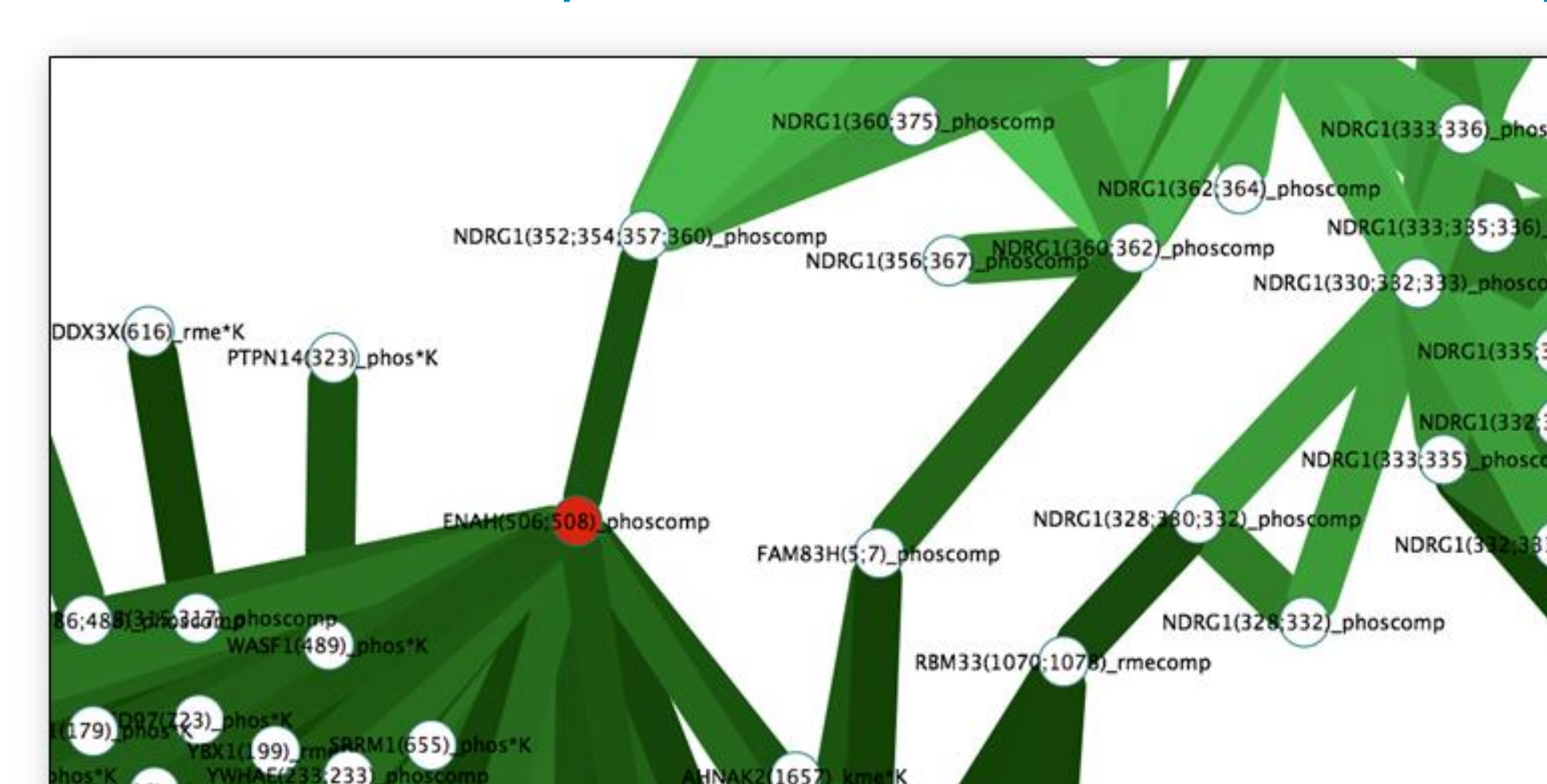
**Contact:**  
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E-mail: [sherry.jenkins@mssm.edu](mailto:sherry.jenkins@mssm.edu)

University of Miami  
[Schurer / Center for Computational Science](#)



- Ontologies
- Metadata and APIs
- Cheminformatics

Cell Signaling Technology  
[Hornbeck / PhosphoSite and Bioinformatics Groups](#)



- Posttranslational Modification Networks
- Analysis of MS Proteomics Datasets
- Lung Cancer Biology

**Funding:**  
The BD2K-LINCS Data Coordination and Integration Center (DCIC) is co-funded by BD2K and the NIH Common Fund. Grant number: 1U54HL127624-01

