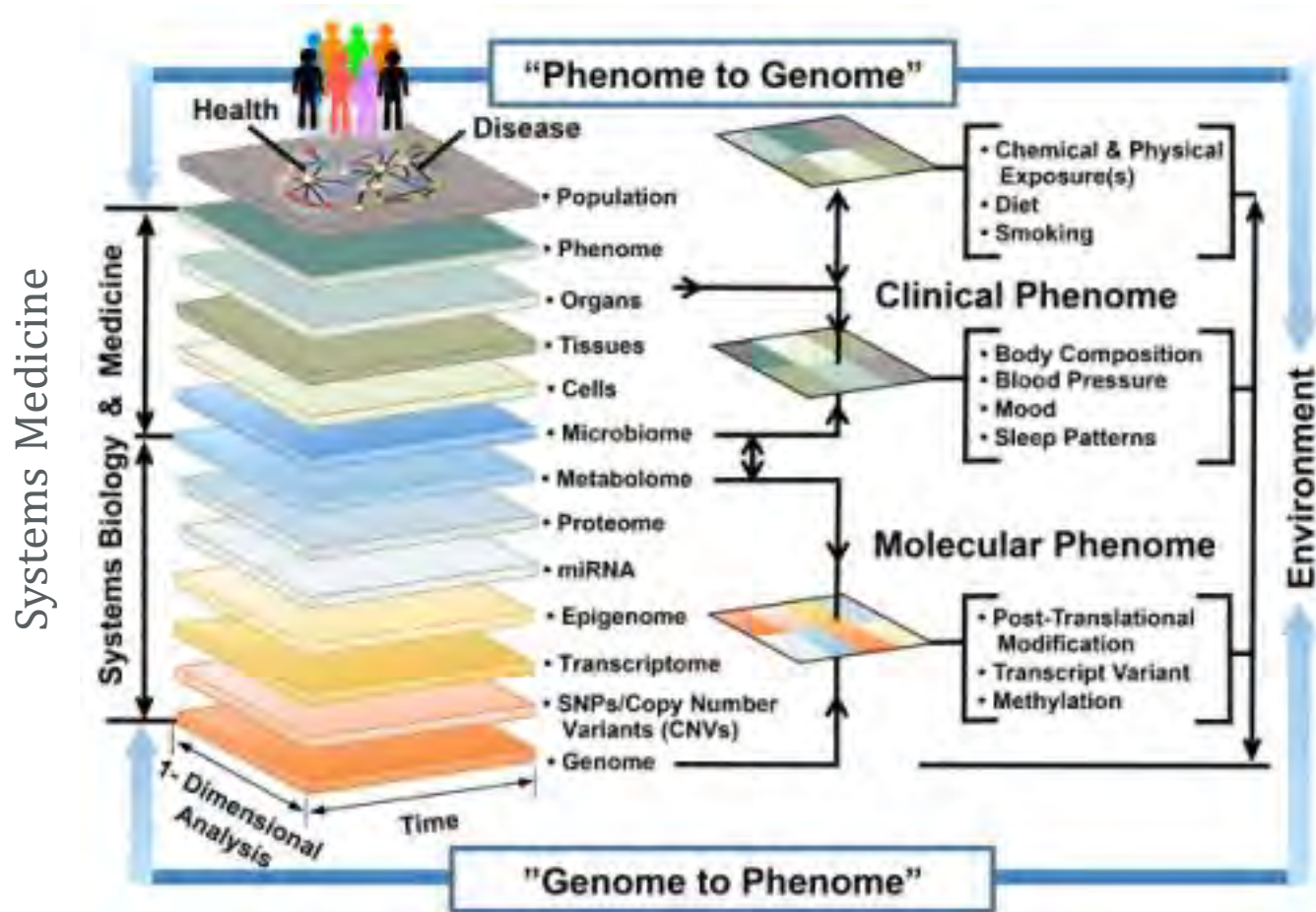




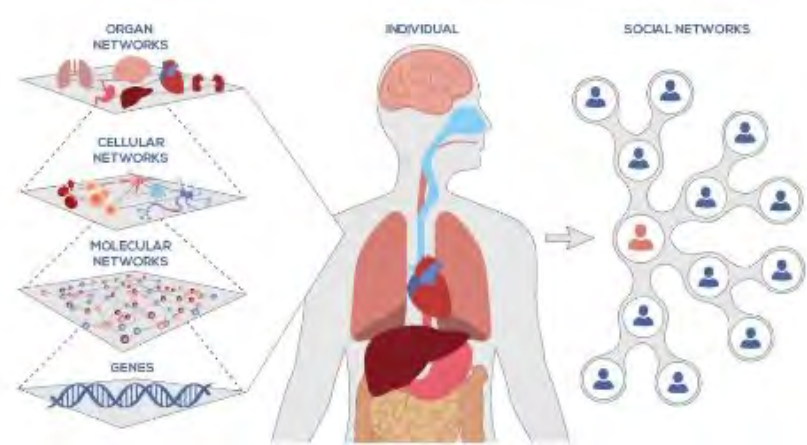
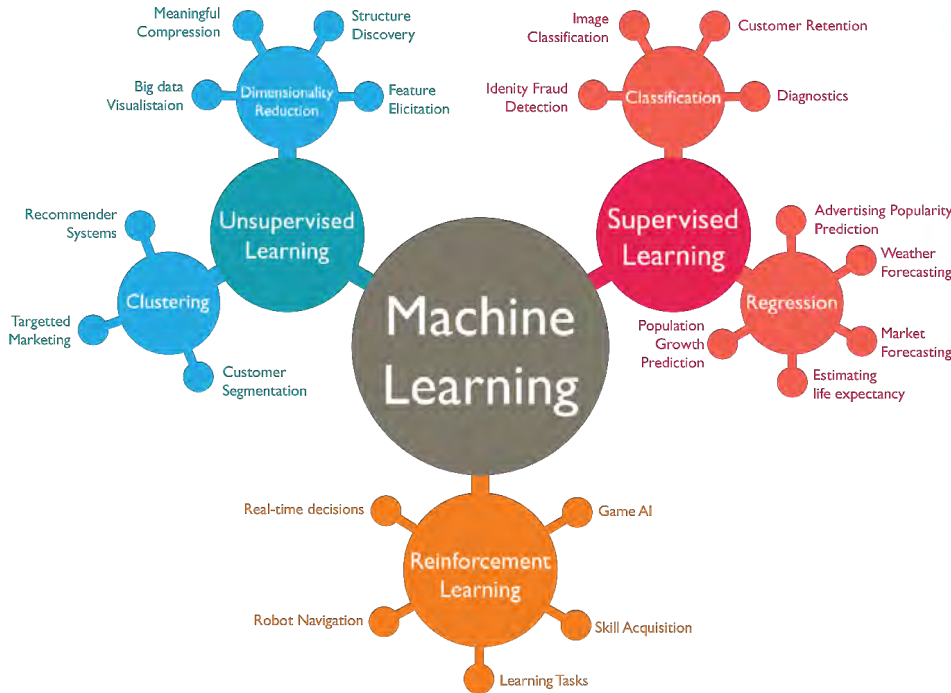
OHSU Bioinformatics & Computational Biomedicine

Computational Biomedicine



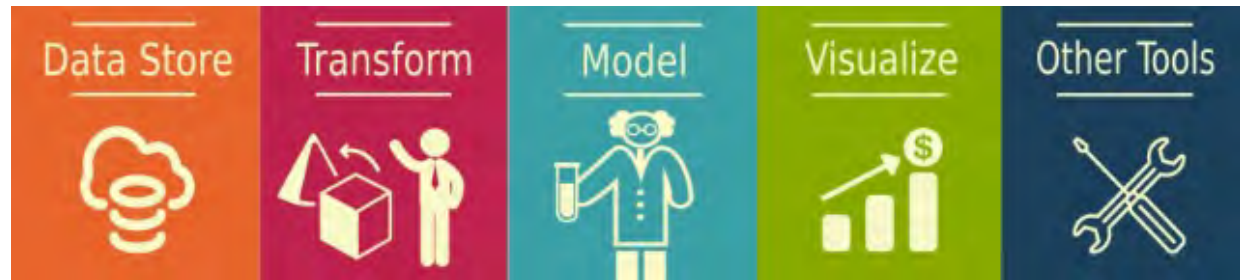
Requires Team Science- Interdisciplinary, Collaborative & Integrative

Some of Our Active Areas of Study

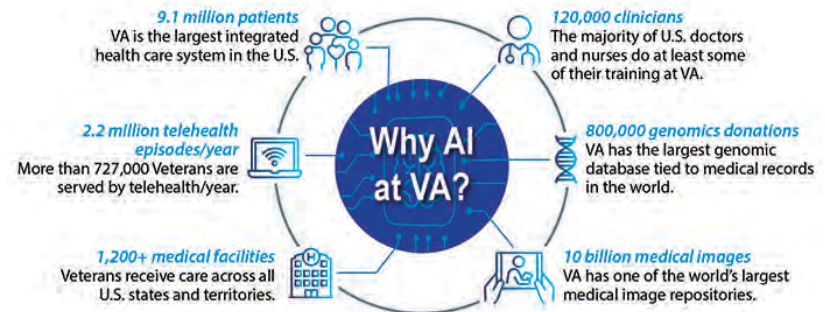
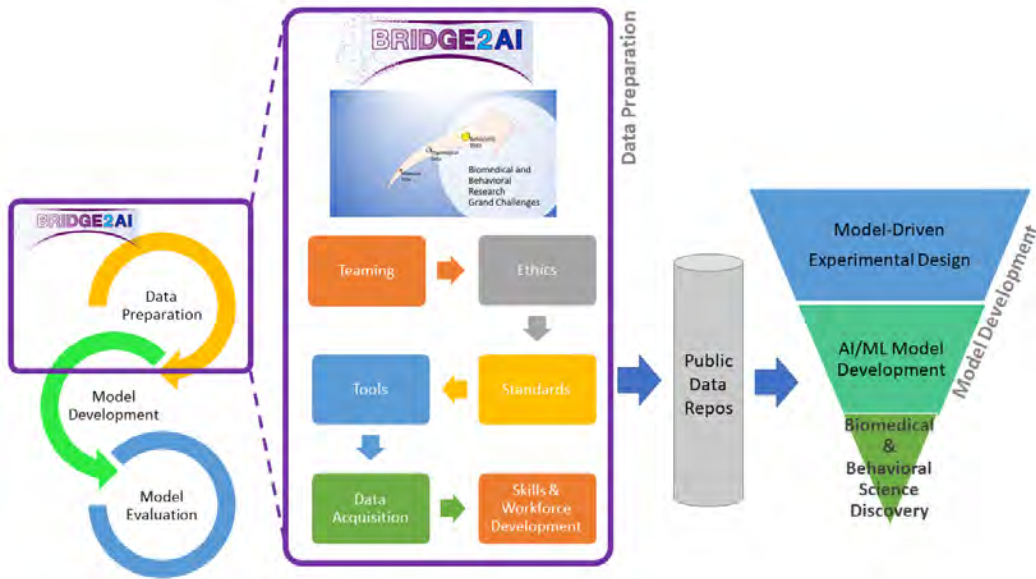


Systems Biology
Genomics/Epigenomics

Analytics and Data Science



Consortia Engagement Examples



1st Year Framework

- Yr1 Summer: R Bootcamp or Ready for R, Research Rotations for PhD Students
- Yr1 Fall, Winter, Spring: Core Coursework and Research Rotations
- Yr1 Spring: BCB Research Methods (Mentored Research), Planning for Summer Internships (MS and PhD)

Future Job Prospects

Industry	Academia	Government	Private Firms
Biotech Pharmaceutical	Universities Academic Hospitals Research Centers	National Institute of Health VA Medical Center	Many Opportunities

- **Masters Degree**
 - Staff Bioinformatician (Academic and Industry)
 - Analyst/Data Scientist (Academic and Industry)
- **PhD**
 - Postdoctoral Fellowships (Academic and Industry)
 - Faculty Positions (Academic)
 - Senior Analyst (Academic and Industry)
 - Staff Scientist (Academic and Industry)
 - Group Leader (Industry)

Other ways to stay connected

- BCB focused DMICE seminars
 - Thursdays at 11:30
 - Live stream and archive on YouTube

- BCB Facebook & twitter feeds

Facebook: www.facebook.com/OHSUBioinformatics

Twitter: www.twitter.com/OHSUBCB

Website: <http://ohsu.edu/bioinformatics>



BioData Club



Data Science Meetup at OHSU



Skill Sharing



Co-Learning



Community

<https://biodata-club.github.io/>

Visit website to join Slack, mailing list, and view upcoming events

Note: Moved to event specific seminars and workshops during pandemic



Bytes and Bites

Quarterly events will enable both technical exchange and community building

Next meeting: October 3rd, from 11:00-1:30pm in person RPV 1215 focusing on spatial systems biology

11:00 – Dr. Alexander Davies: Towards understanding single cell growth factor perception-response dynamics in complex tumor microenvironments

11:30 – Dr. Summer Gibbs: Quantifying Therapeutic Efficacy with a Novel Fluorescence Imaging Platform

12:00 -- Lunch

12:30 – Dr. Laura Heiser: A systems approach to therapeutically control tumor ecosystems

1:00 – Dr. Xiaolin Nan: Toward the 3M (multiplexed, multiscale, and multiomic) era of spatial biology



PDX R Lang

- Group for learning more R and Data Science in Portland
 - Students of all skill levels welcome!
 - Students encouraged to participate
- Meetups
 - Workshops
 - Lightning Talks
 - LunchR (lunch meetup)
 - aggRegate (smaller meetup, talk about coding issues)



<http://pdxrlang.com/>

<https://pdxdata.slack.com/>

R Cascadia

- Annual conference serving the Pacific Northwest (OR/WA/BC).
 - Place to come together around R and meet with like-minded people across the region
 - All Welcome
- <https://cascadiarconf.com/>
- CascadiaRConf.slack.com





Thank You!
Questions?