

Learning Bioinformatics - A Problem Solving Approach

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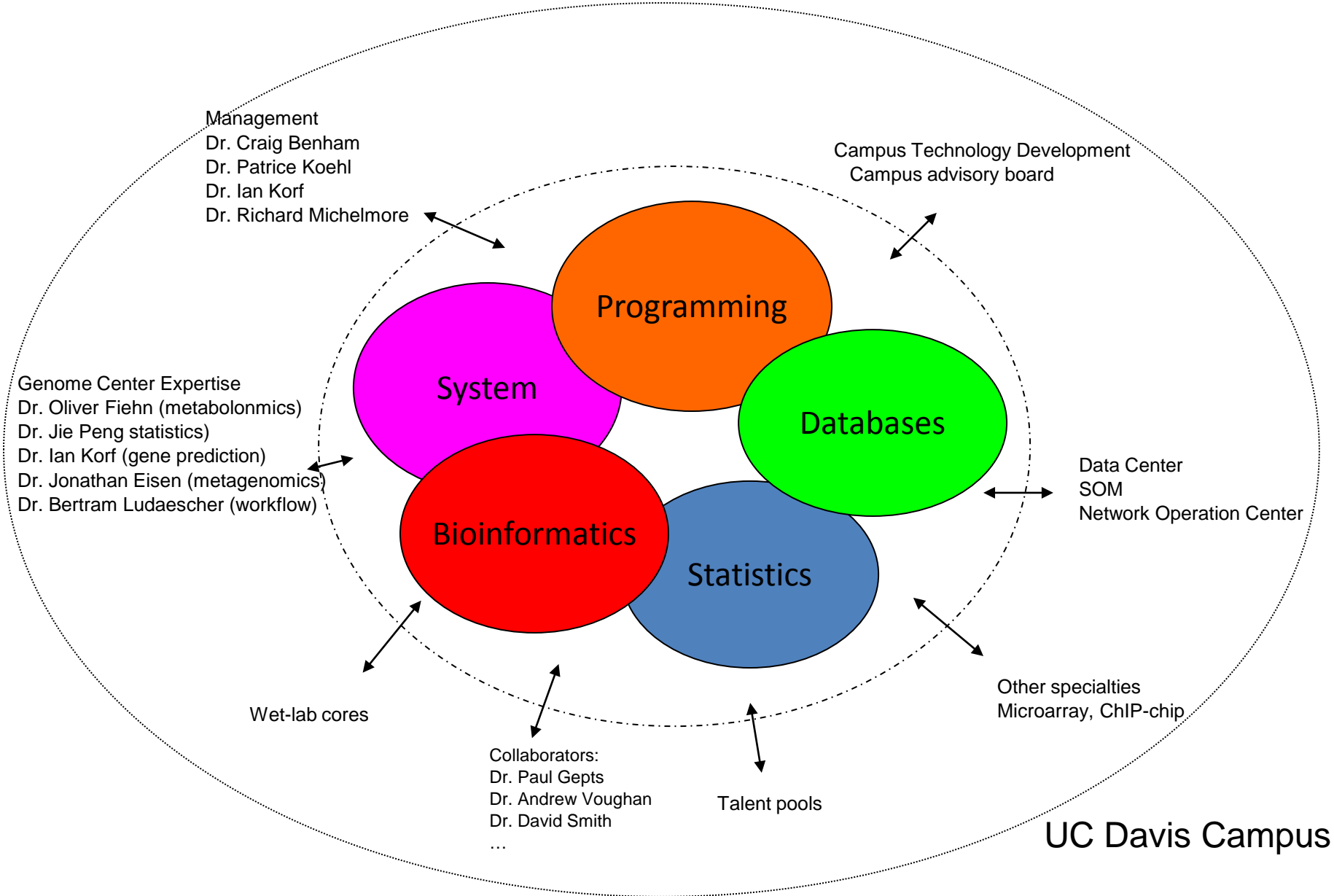
NISBRE, June 17 , 2014



National Institute of
Allergy and
Infectious Diseases

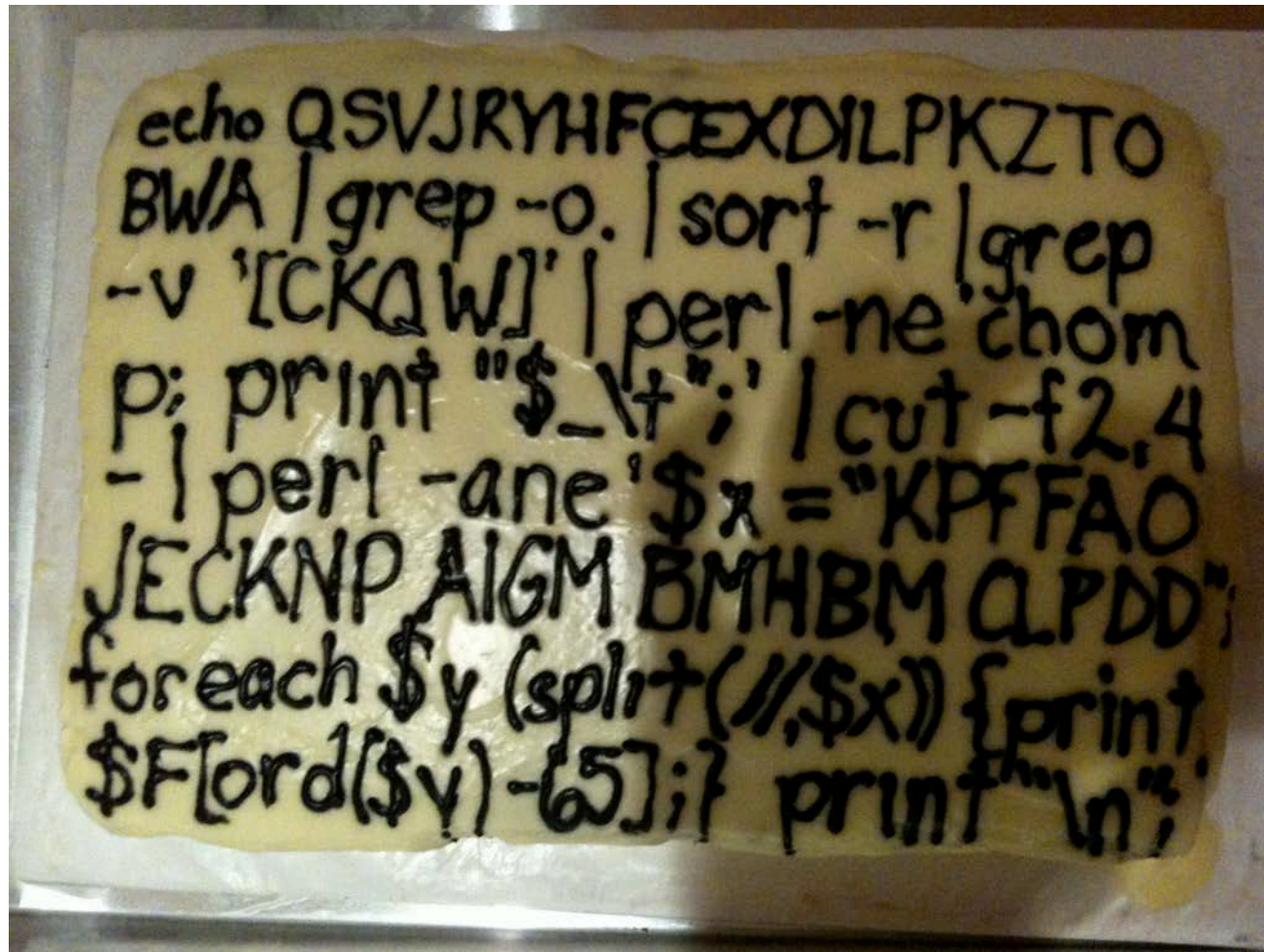


Bioinformatics 2.0

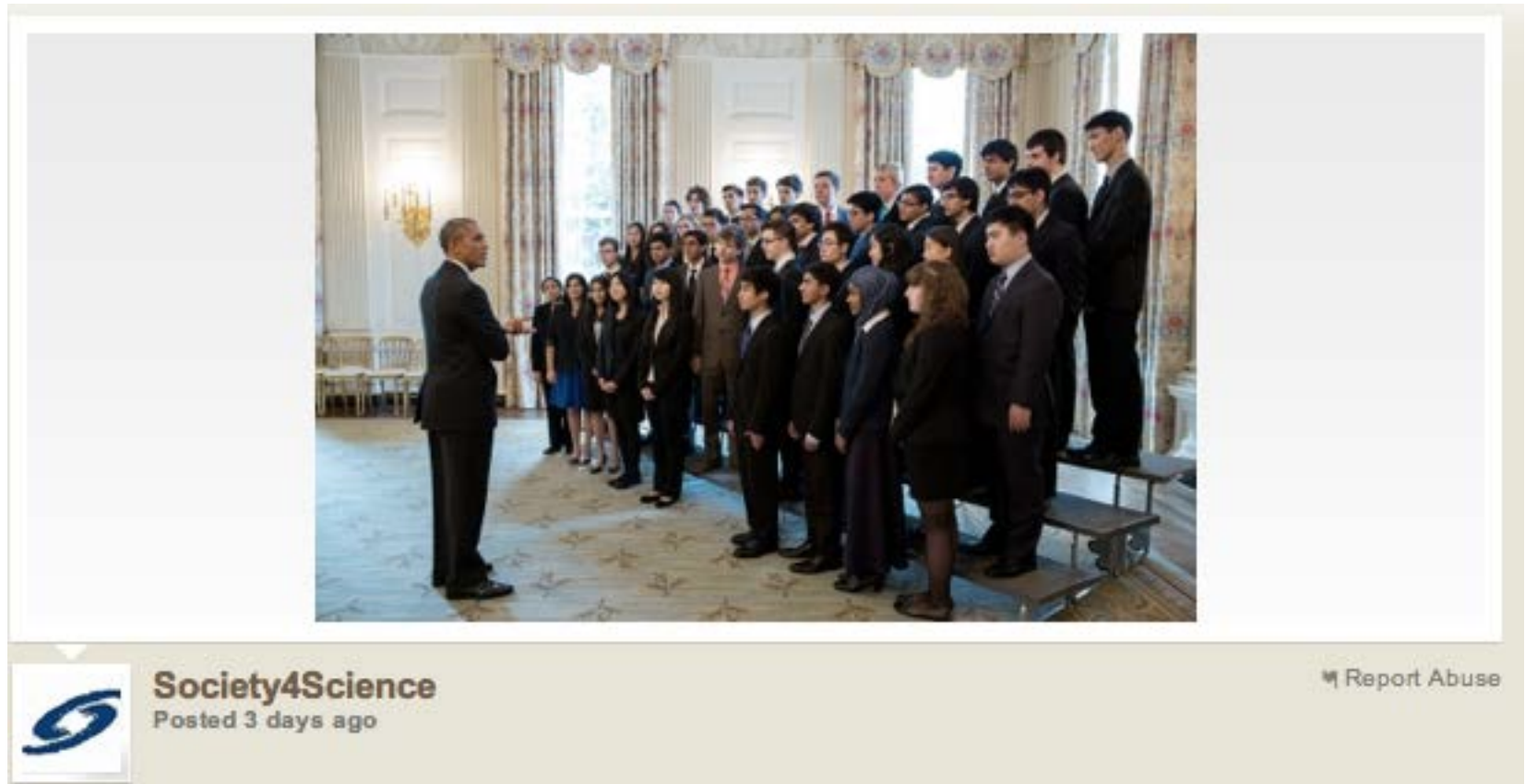


UC Davis Campus

Bioinformatics as Passion



Public Expectations for Open Science



2 Intel Science Talent Search 2014 Students Started their project with NCBI/GEO database

Flipped Classroom Teaching



ABRF 2014

<http://www.niaid.nih.gov/LabsAndResources/resources/bioinformatics/Pages/newScienceTool.aspx>

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Tim O'Reilly: Official Bio



Tim O'Reilly is the founder and CEO of [O'Reilly Media Inc.](#) He pretty well. He publishes books, runs conferences, invests in world by spreading and amplifying the knowledge of innovators on the board of [Safari Books Online](#), [PeerJ](#), [Code for America](#), and has been compared to the West Coast Computer Faire, which laid

Over the years, Tim has built a culture where sustainable innovation both drives the company's product development and informs



BD2K: Four Programmatic Areas

- 1. Facilitating Broad Use of Biomedical Big Data
Data Discovery Index (U24, 3/6/2014)**
- 2. Developing and Disseminating Analysis
Methods and Software for Biomedical Big
Data (U01, R01, R41/R42, R43/\$4,5-7/2014)**
- 3. Enhancing Training for Biomedical Big Data
Careers, Courses, Resources (4/1/2014)**
- 4. Establishing Centers of Excellence for
Biomedical Big Data
Investigator Initiated Centers U54 (11/20/2013)**

Summary

- Find your problems
- Pursue your passion

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