

UMBC

AN HONORS
UNIVERSITY
IN MARYLAND

compbio@umbc.edu

Bioinformatics
& Computational
Biology @URCAD



bioinf.umbc.edu
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Bioinformatics workshop

at the 15th Annual Undergraduate Research and Creative Achievement Day

Program

Wednesday April 27 2011

11:00 am - 11:45 pm

Biological Sciences (BS-004)

Jim Ostell

National Center for Biotechnology Information (NCBI)
National Institutes of Health (NIH)

Bioinformatics: Illustrations from 20 Years at NCBI

11:45 pm - 12:00 pm

Coffee Break

12:00 pm - 1:00 pm

Biological Sciences (BS-004)

John Quackenbush

Dana-Farber Cancer Institute
Harvard School of Public Health

Network and State Space Models: Science and Science

Fiction Approaches to Cell Fate Predictions

10:00 am - 12:30 pm

12:30 pm - 3:00 pm

University Center Ballroom

URCAD Bioinformatics Poster session

How do you compare books written in unknown languages? Or solve a puzzle with 3,000,000,000 pieces? How about building the tree of life? How do you cope with a stream of data growing faster every day? What is BLAST? What do you do with 1,000 human genomes? Can you tailor drugs to individual patients? How can we visualize all the molecular interactions taking place in our cells? How many genes do we share with our long lost cousins the Neanderthals?

For more information, please visit:
<http://bioinf.umbc.edu/urcad> || <http://compbio.umbc.edu/urcad>