

Full Grant Report

0.1 Sponsored Research

0.2 Grants

1. Title: R01: Analysis tools and software for second generation sequencing
Funding Agency: NIH
Recipient Institution: Johns Hopkins University, Rafael A. Irizarry (PI)
Amount Awarded: \$380,400 subcontracted to UMCP (\$1,230,000 total awarded by NIH)
Dates: August 2010-May 2013
Role: PI
2. Title: R01: Alignment software for second generation sequencing
Funding Agency: NIH
Recipient Institution: Johns Hopkins University, Steven Salzberg (PI)
Amount Awarded: \$432,259.00 subcontracted to UMCP (\$3,585,436 total awarded by NIH)
Dates: May 2011-April 2014
Role: PI
3. Title: R01: Overcoming bias and unwanted variability in next generation sequencing
Funding Agency: NIH
Recipient Institution: Dana Farber Cancer Institute, Rafael A. Irizarry (PI)
Amount Awarded: \$397,903 subcontracted to UMCP
Dates: March 2015-February 2019
Role: PI

0.3 Fellowships, Gifts and Other Funded Research

0.3.1 Fellowships

1. Ford Fellowship, National Academies of Science.
2. Advanced Opportunity Fellowship, University of Wisconsin-Madison.

1 Current Grant Applications

1. Title: R01: Host-microbiome consortium in periodontal disease
Funding Agency: NIH
Recipient Institution: University of Maryland, Mihai Pop (PI)
Amount Awarded: \$4,036,599
Dates: July 2015-June 2020
Role: co-Investigator

2. Title: R01: Integrative visual and computational exploratory analysis of genomics data
Funding Agency: NIH
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$2,094,663
Dates: July 2015-June 2019
Role: PI
3. Title: NRT-DESE; Network biology: from data to information to insights
Funding Agency: NSF
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$2,997,748
Dates: September 2016-August 2021
Role: co-PI
4. Title: Data Coordination and Integration Center (DCIC) for the Four-Dimensional Nucleome Network
Funding Agency: NIH
Recipient Institution: University of Maryland, Baltimore, Owen White (PI)
Amount Awarded: \$629,085 subcontracted to UMCP
Dates: July 2015-June 2020
Role: PI

2 Declined Grant Applications

1. Title: CAREER: Data Science in Genomics: visualizing and learning from inferred features
Funding Agency: NSF
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$634,198
Dates: June 2015-May 2020
Role: PI
2. Title: A meta-mechanism for causal systems integration (Meta-MeCS)
Funding Agency: DARPA
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$3,750,000
Dates: July 2014-December 2017
Role: co-PI
3. Title: R21: Tools for interactive visualization of high-throughput functional genomics data
Funding Agency: NIH
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$399,035
Dates: April 2014-March, 2016
Role: PI
4. Title: MPOWER: Host, Pathogen and Microbiome Interactions: Determinants of Disease Outcome
Funding Agency: NIH
Recipient Institution: University of Maryland, Baltimore, Owen White (PI)
Amount Awarded: \$533,840 subcontracted to UMCP
Dates: April 2014-March, 2019
Role: PI
5. Title: From genomics data integration to understanding animal health at the molecular level
Funding Agency: Department of Agriculture
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$499,477

Dates: September, 2013-August, 2018

Role: PI

6. Title: Functional genomics of nitrogen cycling in the bioenergy crops miscanthus and switch
Funding Agency: Department of Energy
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$1,283,596
Dates: August 2012-July 2015
Role: co-PI
7. Title: Models of disease risk sensitivity to health-information propagation in social networks
Funding Agency: NIH
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$345,496
Dates: May 2011-July 2014
Role: PI
8. Title: A functional genomics approach towards understanding nitrogen cycling in Switchgrass and Miscanthus
Funding Agency: DOE
Recipient Institution: University of Maryland, College Park
Amount Awarded: \$1,443,135
Dates: February 2011-January 2014
Role: PI
9. Title: CISE-SHB: Large: Collaborative Research: Personalizing Cancer Therapy via Machine Learning
Funding Agency: NSF
Recipient Institution: Rutgers University, Michael Littman (PI)
Amount Awarded: \$477,983 subcontracted to UMCP
Dates: November 2010-October 2014
Role: PI