



Bioinformatics Workshop Applications in Genomics

Designed with Biotechnology Industry Guidance

Course Description

The advent of next generation sequencing and proteome analysis by mass spectroscopy has revolutionized the way that life sciences are approached in a number of different fields.

- How is the science of bioinformatics applied in the biotechnology industry today?
- What are the sources of bioinformatics data in 2017?
- What tools are used to analyze bioinformatics data?
- How is the avalanche of data channeled into knowledge?

This introductory workshop outlines the shape of bioinformatics today and on the horizon.

Course Details

Instructors

Learn from leaders in the field of applied bioinformatics.

Course Number: BIT067 CRN 43404

Cost: No charge

Dates: May 16 and May 18, 2017

Length: 6:30 - 9:00 PM
(10 hours total)

Location: Room BE160
Bioscience Education Center,
Montgomery College,
20200 Observation Drive, Germantown,
Maryland 20876



Bioinformatics Workshop- Applications in Genomics

Learn how bioinformatics combines databases, algorithms, and computational and statistical techniques to answer questions that one-off experiments will never be able to address. Understand the basics of next-generation sequencing, genome analysis, transcriptome analysis, proteome and structure and interactions and Career options in bioinformatics. Upon completion of the course, students will have a clear understanding of

- What is bioinformatics used for?
- Where does the data come from?
- How does bioinformatics aid in describing the biological world?
- Where are the centers for bioinformatics analysis?
- What are typical jobs in bioinformatics, where they located and how do you position to get one?

Course Registration

- **Email in advance** the registration form available at www.biotrain.org to Michael.smith@montgomerycollege.edu
- **Register on site** the day of the first class

For more information on the BIOTrain Program and other courses, workshops and seminars, visit www.biotrain.org OR contact Michael Smith, Montgomery College Biotechnology Program Manager, Phone: 240-567-7785. Michael.smith@montgomerycollege.edu

www.biotrain.org

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