The goal of the Applied Bioinformatics Course is to provide hands-on training with major bioinformatics resources while developing a conceptual framework to foster successful application of the bioinformatic skillset to biological research. We will focus on analysis of high throughput sequencing data to identify differentially expressed genes, investigate biological functions, and predict interaction networks. Topics covered include web-based gene and protein resources, genome browsers, DNA and RNA-Seq data analysis, the R statistical computing environment, Ingenuity® pathway analysis, gene set enrichment analyses and machine learning applications.

The course will feature several modules in which participants will be guided through hands-on use of featured bioinformatic tools and resources to analyze example datasets. Prior experience in bioinformatics is not required and computer programming skills are not required, but participants should have a solid background in molecular biology and a strong interest in learning programming concepts.

Seats are still available!

More information and the current agenda can be found at the course web site:  http://mdibl.org/course/applied-bioinformatics-2015/.
Upcoming Important Dates and Events:

- **June 26, 2015**: Registration for Annual Meeting CLOSES!
- **July 1, 2015**: NH-INBRE Year 6 start date!
- **August 1-6, 2015**: Applied Bioinformatics Course at MDIBL
- **August 6-7, 2015**: 2015 NH-INBRE Annual Meeting at Wentworth by the Sea in Newcastle, NH
- **September 24-26, 2015**: 2015 Northeast Regional IDeA Conference at the Bar Harbor Club, Bar Harbor, Maine

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**ANNUAL MEETING UPDATES AND NEWS**

*Annual Meeting is quickly approaching!! Don’t forget to register!!*

**Annual Meeting Registration**

This is a reminder that Annual Meeting registration closes on June 26, 2015. Please have all faculty, leadership, and students registered by this date. We have a limited number of rooms available this year and cannot guarantee you a room if you wait until the last minute to register.

**Oral Presentations**

An email to Steering Committee members was recently sent requesting student nominees for oral presentations at Annual Meeting. Please send all nominations along with a description of their research focus to Donna Porter at Donna.M.Porter@Dartmouth.edu by June 22nd. The Administrative Core will announce the list of student presenters on July 1, 2015.

**Poster Presentations**

New this year; posters will be set up all day. This will allow meeting attendees to have time to view all posters. Students will only be required to present their poster during their presentation time (either AM or PM, schedule coming soon). Poster set up for all attendees is from 8-10am the morning of August 6th.

Deadline for poster title submission is July 24th @ 5:00pm. Please send your poster title, **list of all authors**, and school affiliations to Donna Porter at Donna.M.Porter@Dartmouth.edu. Please note that we will not be proofreading your submittals and/or making changes to your submissions. What is submitted will be printed for the Annual Meeting packet.

For more information regarding Annual Meeting and to access the registration form and tentative agenda please visit the NH-INBRE Annual Meeting page at [NH-INBRE Annual Meeting](#).
CONGRATULATIONS!

Congratulations to UNH students Hannah Cole, Kala Frye, and Jacqueline Sullivan for being selected winners of the 2015 Undergraduate Research Conference Award of Excellence for their presentation, “The role of dietary-derived pigments in the nudibranch Melibe leonine” at the URC Parents Association Undergraduate Research Symposium.

WELCOME ISURFers

The Dartmouth ISURF students arrived on campus June 8, 2015. Welcome to Dartmouth Alex, Saluna, Bailey, Samantha, Gordon, Emily, Davis, Helena, Kaitlyn, Teresa, and Menbere!

AND welcome UNH ISURF Bioinformatics students Louisa Normington and Shane Kochvi!

Dartmouth ISURF trip to Woods Hole- From L to R: Gordon Ceasar(PSU), Kaitlyn Jackson(CSC), Bailey Blair(FPU), Alex Bishop (Colby-ME), Helena Hamilton(CSC), Saluna Baiju(CSC), Menbere Wendimu(CSC), Teresa Samson (SAC), Emily Dywer (UNH), David Giacalone(NEC). Not pictured: Samantha Blais (UNH)

Institutions of the

NH-INBRE

Lead Institutions

- Geisel School of Medicine at Dartmouth
- University of New Hampshire

Partner Institutions

- Colby-Sawyer College
- Community College System of New Hampshire
- Franklin Pierce University
- Keene State College
- New England College
- Plymouth State University
- St. Anselm College