
Genomic Sciences Program Seminar

Spring 2018

Chem 923, Section 157 (1 credit)

Thursdays, 4:45 p.m.

Room 1360, Genetics/Biotechnology Center

425 Henry Mall

- Jan. 25 ****Note time:** 1:30 pm, Biotechnology Center Auditorium, 425 Henry Mall
Presentation by Luis Barreiro, PhD (Ass't. Prof., University of Montreal; moving to Univ. of Chicago June, 2018), *Genetic, Evolutionary and Social Determinants of Population Variation in Immune Response to Infections*
- Feb. 1 Presentation by Sid Kiblawi, GSTP predoctoral fellow (Computer Sciences), *Augmenting Subnetwork Inference with Information Extracted from the Scientific Literature*
- Feb. 8 Presentation by Elizabeth Waters, GSTP predoctoral fellow (Chemical and Biological Engineering), *Title TBA*
- Feb. 15 Presentation by Sam Krerowicz, GSTP predoctoral fellow (Chemistry), *Title TBA*
- Feb. 22 Presentation by Anji Trujillo, GSTP predoctoral fellow (Chemistry), *Title TBA*
- March 1 Presentation by Robert Millikin, GSTP predoctoral fellow (Chemistry), *Title TBA*
- March 8 Presentation by Alejandra Canales, GSTP predoctoral fellow (Neuroscience), *Title TBA*
- March 15 Presentation by Eamon Winden, GSTP predoctoral fellow (Genetics), *Title TBA*
- March 22 ****Note time:** 1:30 pm, Biotechnology Center Auditorium, 425 Henry Mall
Presentation by Liz Worthey, PhD (Faculty Investigator, Software Development and Informatics, HudsonAlpha Institute for Biotechnology), Topic area: clinical and translational use of genomic data
- March 29 No seminar, spring break
- April 5 ****Note time:** 1:30 pm, Biotechnology Center Auditorium, 425 Henry Mall
Presentation by Jose L. Avalos, PhD (Ass't. Professor, Chemical and Biological Engineering, Princeton University), Topic area: Engineering of organisms with new desirable traits to address challenging problems in human health, sustainable energy, industry, and the environment
- April 12 Presentation by Dain Brademan and Dee Robinson, GSTP predoctoral fellows (Chemistry [DB]; Microbiology Doctoral Training Program [DR]), *Title TBA*
- April 19 Presentation by Chris McAllester and Hugh Purdy, GSTP predoctoral fellows (Genetics [CM]; Chemical & Biological Engineering [HP]), *Title TBA*
- April 26 Presentation by Kieran Sweeney, GSTP predoctoral fellow (Biomedical Engineering), *Title TBA*
- May 3 ****Note time:** 1:30 pm, Biotechnology Center Auditorium, 425 Henry Mall

Presentation by Tim James (Associate Professor; Associate Curator of Fungi; Lewis E. Wehmeyer and Elaine Prince Wehmeyer Professor in the Taxonomy of Fungi, Univ. of Michigan), *Title TBA*

Instructor:

David C. Schwartz (Departments of Chemistry and Genetics; Biotechnology Center);
dcschwartz@wisc.edu

Grading:

Students who don't present: Those students who don't give a presentation will be assigned an S/U letter grade based on participation and attendance. Each student will be required to evaluate the seminar speakers for sufficiency of background, presentation of the problem, understandability, explanation of methodology, suitability of the scope of the presentation for the audience, and to comment on the presentation and on insights learned. Grading will be done by the instructors.

Students who present: Students will present a seminar on their own research or on a relevant article from the scientific literature. The articles chosen for presentations must be approved in advance by the instructors. The students that give a presentation will be assigned a letter grade A-F based on their presentation, in addition to attendance and participation. Their presentation will be evaluated jointly by the instructors, and the grade for the presentation will be based on the quality and clarity of their presentation, taking into account their oral delivery as well as use of visual aids, their ability to explain the research problem, results and its impact to a multi-disciplinary audience and on their ability to answer questions.

Reading List:

A list of articles recommended by presenters will be distributed prior to their seminars.

Course learning outcomes:

The Genomic Sciences Training Program seminar course is designed to bring together trainees, GSTP trainers, and other interested students and faculty for cross-disciplinary exposure to current research in computer science, biostatistics, engineering, biological sciences and biomedical research problems related to the genomic sciences. This course presents an important forum for a discussion of research ideas in genomic sciences and related research areas. This seminar is required of all predoctoral trainees in the Genomic Sciences Training Program.

Credits for this course:

1 credit

Compliance with the credit hour policy standards:

This course includes 15 hours of in-class seminars and two hours per week of out-of-class student work. This work includes studying publications and other reading materials associated with the weekly speakers as well as extensive preparation time for the seminar presentations given by the GSTP predoctoral trainees.