

BIOL 695/ BIOS 704 / BINF 704: Colloquium Series

“Systems Biology in Biomedical Research”

Fall 2019, Wednesdays 4:30 pm – 5:45 pm

K. Johnson Hall 249

Instructor: Dr. Kylene Kehn-Hall

Email: kkehnhal@gmu.edu

Phone: 703-993-8869

Office Hours: By appointment

Office: Biomedical Research Laboratory 1010

Course Description:

Students will be exposed to cutting edge research through seminar presentations in the areas of molecular biology, microbiology, and bioinformatics. Seminars will be presented by Mason faculty and outside speakers from academia, industry and government.

Grading:

Summary Reports (80%)

Students are required to write a one page summary of 8 out of the 11 seminar presentations. The student should select which of the 8 seminars to write the summary on. The summary should include the overall goals/objectives of the research and the major research conclusions. Speaker slides will be posted to blackboard when possible. The summary should be referenced throughout (minimum of 3 PubMed references).

Summary reports are due one week after each presentation and should be submitted in hard copy format. Reports will also be accepted via email when class does not meet the following week. Reports should be 1 page, single spaced with 1 inch margins and Times New Roman 12 point font.

Participation (20%)

You need to come to class, and you have to be there mentally as well as physically. Attendance will be taken. Students are encouraged to ask questions at the end of the seminar.

Late Work Policy

Late work will only be accepted if it has been prearranged and this is up to the instructor's discretion. Exceptions will be made for emergency situations.

Class Schedule

Date	Guest Speaker, Affiliation	Seminar Title
8/28/2019	No speaker---class introduction	
9/4/2019	George Korch, PhD; NBACC	The Role of NBACC in National Biodefense
9/11/2019	No Class	
9/18/2019	Patricia Legler, PhD; Naval Research Lab	The Predictive Power of the Protein Version of CRISPR/Cas9 and RNAi/RISC
9/25/2019	Kylene Kehn-Hall, PhD; George Mason University	Uncovering Host-Pathogen Interactions: Basic Biology to Therapeutic Discovery
10/2/2019	Haw Chuan Lim, PhD; George Mason University	Phylogeography and speciation of birds: Going wider and deeper
10/9/2019	Darci Smith, PhD; Naval Medical Research Center	The Pathogenesis and Detection of the Encephalitic Alphaviruses
10/16/2019	Jonathan Dinman, PhD; University of Maryland	Mechanisms and Implications of Translational Recoding
10/23/2019	Lee Solomon, PhD; George Mason University	TBD
10/30/2019	No Class	
11/6/2019	Mark Burke, PhD; Howard University	Of Monkeys and Man: Neurological Consequences of Pediatric HIV-infection
11/13/2019	Tai Xie, PhD; CIMS Global	Enhance the Chance of Success for On-Going Clinical Trials Through Dynamic Data Monitoring
11/20/2019	Crystal Isenhour, PhD; Aperionics	TBD
11/27/2019	No Class	Thanksgiving Break
12/4/2019	Wuyuan Lu, PhD; University of Maryland School of Medicine	From defense to offense - a peptide chemist's journey into infectious disease and cancer research

Starting 9/4 class/seminars will be held in IABR 1004, with the exception of the class/seminar on 10/23 which will be held in IABR 1003

Disability Statement

If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703-993-2474. All academic accommodations must be arranged through that office.

Honor Code Statement

George Mason University has an Honor Code, which requires all members of this community to maintain the highest standards of academic honesty and integrity. Cheating, plagiarism, lying, and stealing are all prohibited

All violations of the Honor Code will be reported to the Honor Committee.

See honorcode.gmu.edu for more detailed information.

Enrollment Statement

Students are responsible for verifying their enrollment in this class.

Schedule adjustments should be made by the deadlines published in the Schedule of Classes.

- Last Day to Add: **Sept. 3rd**
- Last Day to Drop (with 100% tuition refund): **Sept. 9th**
- Final Drop Deadline (with no tuition refund) **Sept. 17th**

After the last day to drop a class, withdrawing from this class requires the approval of the dean and is only allowed for nonacademic reasons.

- Undergraduate students may choose to exercise a selective withdrawal.
- See the Schedule of Classes for selective withdrawal procedures.