Term Information

Effective Term	Autumn 2017

General Information

Course Bulletin Listing/Subject Area	Molec, Cellular, Dvlpmtl Bio
Fiscal Unit/Academic Org	Molecular Genetics - D0340
College/Academic Group	Arts and Sciences
Level/Career	Graduate
Course Number/Catalog	7990
Course Title	Molecular Life Sciences Seminar Series
Transcript Abbreviation	MCDBIO 7990
Course Description	A research seminar course designed to expose doctoral students in the Molecular, Cellular and Developmental Biology graduate program to cutting-edge research in the molecular and cellular life sciences.
Semester Credit Hours/Units	Fixed: 1

Offering Information

Length Of Course	14 Week
Flexibly Scheduled Course	Never
Does any section of this course have a distance education component?	No
Grading Basis	Satisfactory/Unsatisfactory
Repeatable	Yes
Allow Multiple Enrollments in Term	No
Max Credit Hours/Units Allowed	10
Max Completions Allowed	10
Course Components	Seminar
Grade Roster Component	Seminar
Credit Available by Exam	No
Admission Condition Course	No
Off Campus	Never
Campus of Offering	Columbus

Prerequisites and Exclusions

Prerequisites/Corequisites	Enrollment in the Molecular, Cellular and Developmental Biology Graduate Program.
Exclusions	

Cross-Listings

Cross-Listings	None

Subject/CIP Code

Subject/CIP Code	26.0499
Subsidy Level	Doctoral Course
Intended Rank	Doctoral

Requirement/Elective Designation

Required for this unit's degrees, majors, and/or minors

Course Details

Course goals or learning objectives/outcomes

- Gain a broad scientific knowledge of cutting-edge research in the molecular life sciences
- Gain perspective on scientific presentation styles
- Learn to formulate and ask pertinent scientific questions
- Develop professional responsibility (attendance, attentiveness, and participation)

Content Topic List

- Research seminars in the Molecular Life Sciences Seminar series (specific topics vary by semester)

Attachments

- MCDBIO 7990 syllabus.pdf

  (Syllabus. Owner: Faze,Natasha Ranjit)

- Sample schedule - Autumn 2016 MLS.pdf: Sample schedule

  (Other Supporting Documentation. Owner: Faze,Natasha Ranjit)

Comments

- Please change grading option to Satisfactory/Unsatisfactory *(by Fink,Steven Scott on 10/05/2016 09:53 AM)*

Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Faze,Natasha Ranjit	10/03/2016 05:07 PM	Submitted for Approval
Approved	Vaessin,Harald Emil Friedrich	10/05/2016 09:48 AM	Unit Approval
Revision Requested	Fink,Steven Scott	10/05/2016 09:53 AM	College Approval
Submitted	Faze,Natasha Ranjit	10/05/2016 09:54 AM	Submitted for Approval
Approved	Vaessin,Harald Emil Friedrich	10/05/2016 10:00 AM	Unit Approval
Approved	Fink,Steven Scott	10/06/2016 08:29 AM	College Approval
Pending Approval	Nolen,Dawn Vankeerbergen,Bernadette Chantal Hanlin,Deborah Kay Jenkins,Mary Ellen Bigler Hogle,Danielle Nicole	10/06/2016 08:29 AM	ASCCAO Approval

THE OHIO STATE UNIVERSITY

MCDBIO 7990

Molecular Life Sciences Seminar Series

Autumn 2017

Tuesdays, 4:00 to 5:00PM

170 Davis Heart & Lung Research Institute

Instructors

Dawn Chandler – brown.2302@osu.edu
Anthony Brown – chandler.135@osu.edu

Materials

The seminar schedule for each semester will be posted on the MCDB web site at mcdb.osu.edu.

Objectives

1. Gain a broad scientific knowledge of cutting edge research in the molecular life sciences
2. Gain perspective on scientific presentation styles
3. Learn to formulate and ask pertinent scientific questions
4. Develop professional responsibility (attendance, attentiveness, and participation)

Grading

The course is graded Satisfactory/Unsatisfactory (S/U) based on attendance.

Attendance

Attendance is mandatory. Students are allowed a maximum of ***2 excused absences***. Excused absences must be requested ahead of time and will be granted for illnesses, family emergencies or for travel to scientific conferences, with documentation if requested. If there are any unexcused absences, the student may receive a U grade and be required to retake the course. If there are more than 2 unexcused absences, this will be automatic. Research obligations are ***not*** valid reasons for an excused absence; students must plan their experiments accordingly. Students must sign in to receive credit for attendance. It is academic misconduct to sign in and not attend seminar, or for someone to sign in for someone who is not in attendance. Students must arrive at the beginning of each seminar and stay to the end, including the question and answer session.

Participation

Students are expected to participate by listening attentively and are encouraged to ask good questions. Electronic devices including cell phones must be silenced and put away during the seminar. Disrespectful or disruptive behavior is grounds for a U grade.

Disabilities

Students with disabilities that have been certified by the Office for Disability Services will be accommodated appropriately and should inform the instructors of their needs as soon as possible. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; http://www.ods.ohio-state.edu/.

Misconduct

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct http://studentconduct.osu.edu.

Autumn 2016

Molecular Life Sciences Seminar Series

Seminars are at 4:00 p.m. in 170 Davis Heart & Lung Research Institute, 473 W. 12th Ave., unless noted

August 30, 2016
Stephen Ragsdale
University of Michigan
Nickel-based biocatalysis of CO, CO2 and Methane
Host: Hannah Shafaat, shafaat.1@chemistry.osu.edu

September 6, 2016
Dmitri Kudryashov
The Ohio State University
Finding "weak spots" for making "strong points" in host-pathogen combats
Host: Harold Fisk, fisk.13@osu.edu

September 13, 2016
Dong Wang
University of California, San Diego
Molecular mechanism of Pol II transcriptional fidelity control and DNA modification recognition
Host: Irina Artsimovitch, artsimovitch.1@osu.edu

September 20, 2016
Ryan Wilhelm
The Ohio State University CCSC
Career Development: CVs for Postdocs and Academia
Host: Tom Magliery, magliery.1@osu.edu

September 27, 2016
Bryan Tsou
Sloan Kettering Memorial Cancer Center
Function and housekeeping of the vertebrate centrosome-cilia complex
Host: Harold Fisk, fisk.13@osu.edu

October 4, 2016
Baoji Xu
The Scripps Research Institute, Florida
Neural basis for BDNF regulation of appetite and body weight
Host: Sung Ok Yoon, sung.yoon@osumc.edu

October 11, 2016
Shana Kelley
University of Toronto
Mitochondrial Chemical Biology: Elucidating the Secrets of the Powerhouse of the Cell
Hosts: Karin Musier Forsyth, musier-forsyth.1@osu.edu

October 18, 2016
Jin Billy Li
Stanford University
Functional and Regulatory Landscape of RNA Editing
Host: Juan Alfonzo, alfonzo.1@osu.edu

October 25, 2016
Benjamin Garcia
University of Pennsylvania
Quantitative Proteomics for Understanding Modified Proteins and Proteomes
Host: Miranda Gardner (Mike Freitas lab), gardner.207@osu.edu

November 1, 2016
David Sherman
University of Michigan/Life Sciences Institute
Probing Function and Structure of Biomolecular Machines involved in Assembly and Tailoring of Bioactive Natural Products
Host: Tom Magliery, magliery.1@osu.edu

November 8, 2016
Ruben Gonzalez
Columbia University
The Structural Dynamics of Translation Initiation
Host: Kurt Fredrick, fredrick.5@osu.edu

November 15, 2016
Pengbo Zhou
Cornell University
CUL4A and CUL4B, Overlapping and Distinct Roles in Male Reproduction and Hematopoiesis
Host: Qi-En Wang and Atlaf Wani, wang.771@osu.edu

November 22, 2016
Karla Neugebauer
Yale University
Co-transcriptional splicing: full speed ahead!
Host: Anita Hopper, hopper.64@osu.edu

November 29, 2016
Paul Schimmel
The Scripps Research Institute
Cytoplasmic, Extra-Cellular, and Nuclear Functions of a Human tRNA Synthetase
Host: Karin Musier-Forsyth, musier-forsyth.1@osu.edu

December 6, 2016
Yifan Cheng
University of California, San Francisco
Single particle cryo-EM of membrane proteins – a breakthrough in structural biology
Host: Dongping Zhong, dongping@physics.osu.edu
***IGP Graduation Celebration to follow immediately after, 5:00pm**

The MLS series is the joint seminar series of OSBP and MCDB. Travel arrangements for MLS seminar are by Franci Brink (614 292-1463) and Natasha Faze (614 292-2804), who can both be reached at mlsseminar@osu.edu. Schedules are coordinated by the host. Contact the chair of the MLS Seminar Committee, Harold Fisk (fisk.@osu.edu), with speaker suggestions and policy questions.