



## Department of Biomolecular Chemistry

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**University of Wisconsin-Madison**  
School of Medicine and Public Health  
420 Henry Mall  
Madison, WI 53706

Office: (608) 263-1815  
FAX: (608) 262-5253  
www.bmolchem.wisc.edu

### Course Subject

Advanced or Special Topics in Biomolecular Chemistry

### Number

51835

BMOLCHEM675

### Title

Biochemical Mechanisms of Genome Maintenance

### Credits

1 credit

### Course Designations and Attributes

Graduate Enrollment Required. Open to other Ph.D. students in the biosciences with permission of instructor.

### Meeting Time and Location

Fall and Spring Semesters. Fall Semester meetings are on Tuesdays at 11:00 am in 6207 Microbial Sciences Building.

### Instructional Mode

Face-to-Face

### Specify how Credit Hours are met by the Course

The course meets for one hour each week during the fall and spring semesters with the expectation that students will work on course learning activities outside of the classroom for at least two hours per week. The outside learning activities primarily consist of preparing student-led presentations.

### Instructor Title and Name

Professor James L. Keck  
Professor Michael M. Cox  
Professor Jue Wang  
Assistant Professor Briana Burton

### Instructor Availability

Office hours by appointment

### Instructor Email/Preferred Contact

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<i>Faculty:</i> P. Kiley (Chair)	J. Coon	F. Engin	J. Keck	<i>Affiliate:</i>	<i>Emeritus:</i>
D. Brow (Vice Chair)	G. Craciun	C. Fox	P. Lewis	M. Merrins	J. Dahlberg
A. Audhya	J. Denu	M. Harrison	D. Mosher	B. Schwartz	R. Fillingame
B. Chanda	H. Dvinge	C. Hull	M. Sheets	Y. Wang	L. Kahan

Professor James L. Keck: jlkeck@wisc.edu  
Professor Michael M. Cox: cox@biochem.wisc.edu  
Professor Jue Wang: jade.wang@wisc.edu  
Assistant Professor Briana Burton: briana.burton@wisc.edu

### **Teaching Assistant (N/A)**

#### **COURSE DESCRIPTION**

The seminar is a weekly series in which students, typically graduate students, present their thesis research progress to faculty and fellow students. Students also participate in class discussion, with mandatory attendance. Course instructors meet with the presenters before they present to guide them in the preparation of their presentations and the selection of relevant background materials, and after they present to share feedback.

#### **REQUISITES**

Graduate or professional standing

#### **LEARNING OUTCOMES**

- Identify and summarize key aspects of scientific rigor and reproducibility.
- Describe the features of high-quality presentations and best practices in scientific data/information interpretation. Learn principles and best practices for preparing and presenting a seminar.
- Apply and demonstrate best practices in the effective presentation of complex data/information to diverse scientific audiences.
- Gain exposure to a variety of relevant research topics, potentially leading cross-disciplinary, collaborative research opportunities.

#### **GRADING**

Grading is based on an A-F system. Quality of presentations (1/3), attendance (1/3), and participation (1/3) are all part of determining course grades.

#### **RULES, RIGHTS & RESPONSIBILITIES**

Every member of the University of Wisconsin-Madison community has the right to expect to conduct his or her academic and social life in an environment free from threats, danger, or harassment. Students also have the responsibility to conduct themselves in a manner compatible with membership in the university and local communities. See [Rules, Rights and Responsibilities](#).

#### **ACADEMIC INTEGRITY**

By enrolling in this course, each student assumes the responsibilities of an active participant in UW-Madison's community of scholars in which everyone's academic work and behavior are held to the highest academic integrity standards. Academic misconduct compromises the integrity of the university. Cheating, fabrication, plagiarism, unauthorized collaboration, and helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. This includes but is not limited to failure on the assignment/course, disciplinary probation, or suspension. Substantial or repeated cases of misconduct will be

forwarded to the Office of Student Conduct & Community Standards for additional review. For more information, refer to [studentconduct.wiscweb.wisc.edu/academic-integrity/](http://studentconduct.wiscweb.wisc.edu/academic-integrity/).

### **ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES**

The University of Wisconsin-Madison supports the right of all enrolled students to a full and equal educational opportunity. The Americans with Disabilities Act (ADA), Wisconsin State Statute (36.12), and UW-Madison policy (Faculty Document 1071) require that students with disabilities be reasonably accommodated in instruction and campus life. Reasonable accommodations for students with disabilities is a shared faculty and student responsibility. Students are expected to inform faculty [me] of their need for instructional accommodations by the end of the third week of the semester, or as soon as possible after a disability has been incurred or recognized. Faculty [I], will work either directly with the student [you] or in coordination with the McBurney Center to identify and provide reasonable instructional accommodations. Disability information, including instructional accommodations as part of a student's educational record, is confidential and protected under FERPA.

<http://mcburney.wisc.edu/facstaffother/faculty/syllabus.php>

### **DIVERSITY & INCLUSION**

Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals. The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background – people who as students, faculty, and staff serve Wisconsin and the world. <https://diversity.wisc.edu/>