

Department of Biochemistry & Molecular Biology

BMB FACULTY RESEARCH DISCUSSIONS

The BMB Department hosts a seminar series, Faculty Research Discussions, where the BMB faculty and local researchers are able to present their ongoing research. These discussions provide the perfect platform for networking and increasing our understanding of the depth and breadth of research that is happening around us.

Dr. Linda Bloom (lbloom@ufl.edu) coordinates this seminar series which meets weekly, Wednesdays, 4:00—5:00pm, ARB R3-265.

October Schedule:

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| 10/5 | Dr. Robert McKenna , Professor, Department of Biochemistry and Molecular Biology |
| 10/12 | Dr. Suming Huang , Associate Professor, Department of Biochemistry and Molecular Biology |
| 10/19 | Dr. Joanna Long , Associate Professor, Department of Biochemistry and Molecular Biology
Topic: <i>Further adventures in dynamic nuclear polarization</i> |
| 10/26 | Dr. Bert Flanagan , Professor and Chair, Department of Biochemistry and Molecular Biology |

Fall 2016/Spring 2017 Faculty Research Discussion seminar schedule may be found [HERE](#).

CENTER FOR STRUCTURAL BIOLOGY SEMINAR SERIES

The seminar series of the Center for Structural Biology seeks to provide stimulating discussions with a molecular-structure focus or a focus on the cell and tissue/organism level of biological structure. Dr. Mavis Agbandje-McKenna is the Director for the CSB (mckenna@ufl.edu).

These sessions meet the third Monday of every month in the McKnight Brain Institute, DeWeese Auditorium (LG 101A). The Fall 2016-Spring 2017 schedule may be seen [HERE](#).

Fall Sessions:

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| 10/17 | Dr. Glenn L. Millhauser , Distinguished Professor, Department of Chemistry and Biochemistry, University of California Santa Cruz
http://millhauser.chemistry.ucsc.edu/ |
| 11/21 | Dr. Anna Pyle , Professor, Biological & Biomedical Sciences, Yale University
http://bbs.yale.edu/people/anna_pyle.profile |

CENTER FOR EPIGENETICS

The CEG serves as focal point and provides a framework to promote communication, interactions, and collaboration among ~50 investigators in the area of epigenetics who are housed in many different departments within and outside of the COM. It also provides a variety of important services, facilities, training, equipment, and expertise to assist the large number of laboratories engaged in epigenetics-related research. In its role to enhance learning and communication in the area of epigenetics, the CEG organizes the **CEG Seminar Program** featuring special invited speakers from outside the University of Florida. These speakers include some of the most prominent researchers in the field of epigenetics. This academic year, there will be eight guest speakers.

The Director for the Center for Epigenetics is Dr. Thomas P. Yang, (tpyang@ufl.edu). The full schedule of guest speakers may be viewed [HERE](#).

These sessions are held in the CGRC building, Room 451A

Fall Speakers for CEG:

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|------------------------|--|
| 10/3
4:00pm | Eugene Oltz, Ph.D., Professor , Dept. of Pathology and Immunology
Director, Immunology Graduate Program, Washington University School of Medicine, St. Louis, MO
Topic: <i>Normal and pathogenic regulatory circuits that orchestrate gene expression programs in human lymphoid subsets</i> |
| 11/21
2:00pm | Jia Fang, Ph.D., Assistant Professor , Department of Tumor Biology, Moffitt Cancer Center, University of South Florida, Tampa, FL |
| 11/28
4:00pm | Zhiguo Zhang, Ph.D., Professor of Pediatrics and Genetics and Development, Institute for Cancer Genetics, Columbia University, New York, NY |
| 12/12
4:00pm | Ken Nephew, Ph.D., Professor , Cellular and Integrative Physiology and Obstetrics & Gynecology; Director, Graduate Education; Assistant Director for Basic Science Research, University of Indiana |

BMB JOURNAL CLUBS

STRUCTURAL BIOLOGY JOURNAL CLUB

Mondays, 3:00-4:00pm, ARB R3-265

The Structural Biology Journal Club on Methodologies and Discoveries in Crystallography and Cryo-Electron Microscopy is hosted by Dr. Mavis Agbandje-McKenna (mckenna@ufl.edu) and Dr. Rob McKenna (rmckenna@ufl.edu).

October Schedule:

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|--------------|--|
| 10/3 | Paul Chipman — <i>The 3.8 Å resolution cryo-EM structure of Zika virus;</i>
click here for article |
| 10/10 | Mam Mboge |
| 10/17 | Srishti Singh |
| 10/24 | Avni Bhatt |
| 10/31 | MengXiao Luo |

BMB JOURNAL CLUBS, cont.

BMB JOURNAL CLUB/BCH 6936

Tuesdays, 11:45am–12:45pm, ARB R3-265.

Each week, a student in the Biochemistry and Molecular Biology Advanced Concentration presents a journal article from the current literature to the group of BMB students, postdocs, and faculty. Senior (4th year and more advanced) students have the option of giving a research seminar or presenting a journal article. One faculty member and one or two students are assigned as “readers” and they are available to answer questions and help with the preparation of the presentation. The readers also provide the student with feedback on the presentation to aid in the development of strong presentation skills and the ability to critically evaluate scientific work.

This Journal Club is facilitated by Dr. Andy Berglund (aberglund@ufl.edu). Schedule for the Fall 2016 semester is posted [HERE](#).

October Schedule:

- 10/4** **Kristen Solocinski** (presenting a talk on her research)
Topic: *The Role of the Circadian Clock Protein Per1 and a novel lncRNA, EDN1-AS, in the regulation of Blood Pressure*
 Faculty Comments—Dr. Brian Cain; Student—Mir Hossain
- 10/11** **BMB Rotation Talks**
- 10/18** **Victoria Fielding** (presenting a talk on her research)
Topic: *CHARACTERIZATION AND COMPARISON OF SQUAMATE DEPENDOPARVOVIRUS TYPE I TO MAMMALIAN ADENO-ASSOCIATED VIRUSES*
 Faculty Comments—Jorg Bungert; Student—Briana Murray
- 10/25** **Jacquelyn Walejko** (presenting a talk on her research)
 Faculty Comments—Susan Frost; Student—Melissa Hale

EPIGENETICS JOURNAL CLUB/GMS 6195

Thursdays, 12:00–1:00pm, CGRC-351A.

The Epigenetics Journal Club is facilitated by Dr. Mike Kladde (kladde@ufl.edu) and Dr. Tom Yang (tpyang@ufl.EDU). Details and complete schedule for Fall 2016 semester are posted [HERE](#).

October Schedule:

- 10/6** **Collin LeFrois**; Student Readers—Dorian Vargas-Franco and Joe Collins
Journal Article: *MTHFD1 controls DNA methylation in Arabidopsis*;
[click here for article](#)
- 10/13** **Margaret White**; Student Readers—Yong Shen and Alexandra Gerace
Journal Article: *Targeted DNA demethylation in vivo using dCas9-peptide repeat and scFv-TET1 catalytic domain fusions*; [click here for article](#)
- 10/20** **Yang Liu**; Student Readers—Collin LeFrois and Yong Shen
- 10/27** **Alexandra Gerace**; Student Readers—Aishwarya Gurumurthy and Lara Ianov
Journal Article: *Genome-wide non-CpG methylation of the host genome during M. tuberculosis infection*; [click here for article](#)

For questions or comments regarding newsletter content, please contact Teresa White, teresawhite@ufl.edu.

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