**Molecular Cell Biology Journal Club**

Fall 2017

GMS 6690, Section 1350 (1 credit hour)

**Course Director:**

Eric Vitriol

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Basic Science Building, B1-007

273-2914

**Class details:**

Day: Tuesday

Time: 1:00-2:00PM

Room: R2-265

Begin: August 22

End: December 6

**Grading:**

Presentation: 50%

Participation in Discussion: 50%

**Presentation requirements:**

* Topic for the semester: Classic papers in Cell Biology from the JCB 60th anniversary and NCB 10th anniversary archives
* One presenter per class
* Presentations should be 35-40 minutes, allowing for 20-25 minutes of discussion
* Papers to be presented must be approved by Course Director beforehand
* Presentations must include background on **BOTH** the science and the techniques that are essential to understanding the paper
* Presenters are not expected to present every panel of every figure. Focus on what is most important. Presentation of figures must also include the presenter’s interpretation of the data, rather than just re-stating what it says on the figure legends.

**Other:**

* Students must participate in the discussion in some way in **every** class to receive their participation credit. Ask a question, have the presenter clarify a point, share your thoughts or experiences, be critical or supportive of the data…but do speak up. This is essential for your grade but also makes the class dynamic and interesting. Not participating in the discussion is the same as not coming to class at all.
* Excused absences must be cleared with the Course Director beforehand
* If you cannot present on the date assigned, find someone to switch with and then contact the Course Director

**Presentation schedule:**

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| --- | --- | --- |
| **Name** | **presentation date** | **Paper topic and link** |
| Burkes, Breanna | 8/29 | [**microRNAs and EMT**](http://www.nature.com/ncb/journal/v10/n5/full/ncb1722.html#a1) |
| Black, Joseph  | 9/5 | [**exosomes and glioblastoma**](https://www.nature.com/ncb/journal/v10/n12/pdf/ncb1800.pdf) |
| Calise, S. John  | 9/12 | [**GW bodies and RNAi**](https://www.nature.com/ncb/journal/v7/n12/pdf/ncb1334.pdf) |
| Flores-Toro, Joseph | 9/19 | [**Parkin and mitophagy**](http://jcb.rupress.org/content/183/5/795?ijkey=2babf590068d5b7b7c6897506dc080c08010f05e&keytype2=tf_ipsecsha) |
| Rodgers, Katherine | 9/26 | [**in situ labelling of apoptosis**](http://jcb.rupress.org/content/jcb/119/3/493.full.pdf) |
| Blahut, Johnathon | 10/3 | [**kinetichore fibers and mitosis**](http://jcb.rupress.org/content/jcb/160/5/671.full.pdf) |
| Mahmud, Iqbal | 10/10 | [**Bcl2 and non-apoptotic cell death**](https://www.nature.com/ncb/journal/v6/n12/pdf/ncb1192.pdf) |
| Osking, Zachary  | 10/17 | [**stress granules and RNA quality control**](http://jcb.rupress.org/content/169/6/871?ijkey=00e15dc37386e129ba20bedd6a7eb143ac324f94&keytype2=tf_ipsecsha) |
| Skruber,Kristen | 10/24 | [**measuring actin polymerization**](http://jcb.rupress.org/content/103/6/2747?ijkey=8075509a315e6d16597a2a17808a2c73e6d4e6b0&keytype2=tf_ipsecsha) |
| Khare, Prachi | 10/31 | [**monoubiquitination of UBPs**](http://www.nature.com/ncb/journal/v8/n2/full/ncb1354.html) |
| Lewis, Jessica  | 11/7 | [**mitochondrion-dependent apoptosis**](http://www.nature.com/ncb/journal/v8/n12/full/ncb1499.html) |
| Latimer, Scott | 11/14 | [**exosomes and RNA transfer**](https://www.nature.com/ncb/journal/v9/n6/full/ncb1596.html) |
|  |  |  |
|  |  | **Link to reviews of JCB papers** |
|  |  | [**JCB 60th anniversary issue**](http://jcb.rupress.org/sites/default/files/jcb60/JCB60SI.pdf) |