



## **ICE IGERT Journal Club: ChemEng 797S**

### ***Classic and Current Papers at the Interface of Engineering and the Life Sciences***

#### **Mission**

The mission of this **student-run** journal club is to expose students to a diverse array of interdisciplinary research topics in a relaxed environment that promotes peer networking, communication across disciplines and deeper insights into research and techniques not typically encountered in home department studies.

#### **How does it work?**

Multiple sections will be created to ensure appropriate class sizes and interdisciplinary composition. At an organizational meeting, students will determine meeting times and locations. Participants will:

1. Select a **Classic Paper\*** and associated **Current Paper\*\*** from his/her field.
2. Have them reviewed and **approved** by his/her advisor.
3. **Email approved papers (PDF)** for upload to the course website.
4. **Present and lead the discussion for his/her assigned week.**
  - Provide sufficient technical background for an interdisciplinary audience; present the papers (focusing on the figures and key results/conclusions); moderate discussion regarding the impact of the discovery/technology, relevant applications and development, limitations of the work, etc.
5. Be an **active** participant in group discussion
6. Complete anonymous weekly **peer review** surveys (via survey monkey links on course website).

\*Classic Paper: A first publication that unveils a topic or methodology of profound impact. The paper may be 5 years old...it may be 50 years old.

\*\*Current Paper: Select a current paper that demonstrates recent impact of the classic discovery (how has it lived on and/or evolved).

#### **Who should participate?**

This course is perfect for engineering, physical sciences, or life sciences graduate students seeking journal clubs outside their home department, exposure to topics beyond their primary discipline, an opportunity to practice presentation and communication skills within a comfortable peer-centric environment, and a forum for networking with students outside their home department. The student-run format is especially beneficial for first and second year students, who interact with more senior students in an environment conducive to discussion and debate.

#### **How do I register?**

Interested students may register in SPIRE for Chemical Engineering 797S. If you have trouble, email Shana Passonno ([Passonno@ecs.umass.edu](mailto:Passonno@ecs.umass.edu)).

This journal club is sponsored by the Institute for Cellular Engineering (ICE) Interdisciplinary Graduate Education and Research Traineeship (IGERT) program. For information about joining the **ICE IGERT Program** and our **\$30,000 fellowship competitions**, please visit: [www.umass.edu/ice](http://www.umass.edu/ice) or contact Shana for more information.