Signal Transduction (CHM 555)

Fall 2009
5:30-7:17 PM, MW

Professor Sitaramayya Ari
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Course Description: Literature-based consideration of signal transduction pathways. Students will present, in a journal club format, published research papers in different areas of signal transduction. Emphasis will be placed on learning to evaluate and critique published work, organize results in writing a research paper, and recognize gaps in existing knowledge.

Prerequisite: CHM 454 or BCM 454 or equivalent.

Textbook and electronic resources: The recommended textbook is The Biochemistry of Signal Transduction and Regulation by Gerhard Krauss (ISBN: 978-3-527-31397-6 (paperback).

Grading: Grading will be based on the following components:

Journal club
Presentation 70 points each
Reports 20 points each
(those absent for the presentation will lose 10 points even if a report is submitted)
Participation 2 points for each evaluation
**Discussion of book chapter**
- Leading Discussion 70 points each
  (those absent for a discussion will lose 10 points for each absence)
- Participation 2 points for each evaluation

**Personal project**
- Abstract 25 points
- Presentation 70 points
- Participation 2 points (evaluation)

**Class participation:** Students are expected to actively participate in discussions. 50 points

**Anticipated schedule:**
- Abstracts of Personal Projects due October 26
- Personal project presentations November 30-December 7

**Academic conduct:** Please read *Academic conduct of graduate students* in the Graduate Catalog. Plagiarism will not be tolerated.

**Classroom behavior:**
- Students must be in class on time. Those who arrive late, without prior notice, will lose points depending upon the class assignment.
- Cell phones must be turned off in the classroom at all times.
- While in class students must not engage in work unrelated to this course.
- Laptops must not be used in the class.