

PHYSIOLOGY SEMINAR
459D2
Winter 2018
Wednesdays: 11:35 am – 1:25pm
McIntyre Medical Sciences Building, Room 1019
January 10th to April 11th inclusive

Course Coordinators:

Dr. John Hanrahan and Dr. Alvin Shrier

john.hanrahan@mcgill.ca alvin.shrier@mcgill.ca

| <u>DATE</u> | <u>TOPIC</u> | <u>LECTURER</u> |
|------------------|---|--|
| Jan. 10 | Intro – Student grant presentations: | Drs. Hanrahan/Shrier |
| | | |
| Jan. 17 | Student grant presentations: | Drs. Hanrahan/Shrier |
| | | |
| Jan. 24, 31 | Signalling in infection/inflammation | Dr. Simon Rousseau |
| | | |
| Feb 7 | Student grant presentations: | Drs. Hanrahan/Shrier |
| | | |
| Feb. 14, 21, 28, | The Visual System | Dr. Christopher Pack |
| Mar 7 | <i>Study break</i> | <i>Study break</i> |
| Mar. 14, 21 | Zika Virus in Neural Development | Dr. Brian Chen |
| | | |
| Mar 28, April 4 | Wound healing | Drs. Anie Philip and Kenneth Finson |
| | | |
| April 11 TBC | <i>In Class Test – TBA</i> | |
| | | |

**PHYSIOLOGY SEMINAR
PHGY 459D1&D2**

Guidelines

Students are expected to read all papers thoroughly before coming to class. (The papers are available on myCourses one week prior to the seminar). The overall approach is to go over, in a collegial manner, the objectives, methods, results, and discussion points in these articles, in a round-table format. The underlying philosophy is that students can learn from each other, and help each other out with more difficult points.

Students will be selected at random to present a part of a paper to the class (hence, the requirement to read the entire paper carefully). This presentation will not be a formal monologue. During this presentation, questions will be asked of the presenter, and observations will be made by the other students, or by the instructor. As mentioned above, this form of interaction is often the most valuable part of the course.

Weekly **marks for participation** will be based on:

- i. Presentations of the sections of the paper given by the student (please, no transparencies, PowerPoint presentations, etc.), and on the student's observations and response to questions on that part of the paper.
- ii. Questions and observations made by the student during the presentations of other students.

Evaluation

| | |
|---|------------------------|
| (Fall semester) | |
| Class participation | 50% (25% per semester) |
| | |
| (Winter semester) | |
| | |
| Oral presentation (summary page of Grant) | 10% |
| Full length grant application | 20% |
| In-class tests | 20% |

PHYSIOLOGY SEMINAR PHGY 459D1&D2

Class participation:

The mark will be based upon overall contribution to the seminar sessions. This includes the presentation of material, critical assessment, general discussion and creative contribution.

In class test:

This test will consist of research oriented questions based upon material covered in this semesters. It will be held during class time on **TBD**

Research Grant: Orientation

In the fall session there will be an initial session in October with Dr. Hanrahan and Dr. Shrier to orient students on the writing of research grants.

Grant summary: Oral Presentation

Will take place within the first 3 weeks of the winter semester. (Students will have signed up on *mycourses* at the end of November for the presentation date-). The oral presentation will involve a 20-30 minute oral presentation of the grant summary page of your proposed grant application.

Research application:

The application should be completed as though it were being submitted to the Canadian Institutes for Health Research (CIHR), the main government health sciences-related funding agency.

McGill University values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offences under the Code of Student Conduct and Disciplinary Procedures (see <http://www.mcgill.ca/srr/honest> for more information)

Every student has the right to write term papers, examinations, and theses in English or French, except in courses where knowledge of the language is one of the objectives of the course.

In the event of extraordinary circumstances beyond the University's control, the content and/or evaluation scheme in this course is subject to change.

© Instructor generated course materials (e.g., handouts, notes, summaries, exam questions, etc.) are protected by law and may not be copied or distributed in any form or in any medium without explicit permission of the instructor. Note that infringements of copyright can be subject to follow up by the University under the code of Student Conduct and Disciplinary Procedures.