

**MEDG 545 – JOURNAL CLUB**  
**CURRENT TOPICS IN MEDICAL GENETICS RESEARCH 2023W**

**MEDG 545** is a 3-credit, **two-term** elective course with the format of a Journal Club. The purpose of this course is to assist students to learn to critically evaluate scientific literature and to hone their general presentation skills. Unlike other courses, participation in a Journal Club may include post-doctoral fellows, faculty and staff. Students registering for MEDG 545 have their choice of Journal Clubs with different themes and at different locations. Students taking the course for credit are expected to continue to attend a Journal Club throughout their time as a graduate student. Non-Medical Genetics graduate students are welcome to take MEDG 545. If space is limited, priority will be given to the students in the Medical Genetics Graduate Program.

Students taking a Journal Club for credit must obtain permission via email from the coordinator of their selected journal club and forward that email to Azin Zeinali: [medical.genetics@ubc.ca](mailto:medical.genetics@ubc.ca). Non-MEDG students must also submit a "[Permission to Register](#)" form to the Medical Genetics Program Office.

**GENOMIC VARIATION AND HUMAN DISEASE (C&W)**

**Faculty:** Dr. Jan Friedman

**When:** Mondays (2-3 x/month – 2023W syllabus pending)

**Starting:** September 11, 2023

**Time:** 1:00-2:30 PM

**Description:** This journal club discusses important recent literature as it pertains to the understanding of human genetic variation and disease. In particular, it focuses on:

- The identification and characterization of human genomic variation.
- Alterations of genomic sequence or structure and the mechanisms by which they lead to disease.
- Human evolution, population genetics, and other factors that affect human genetic variation.

This is an interactive Journal Club. Students participating in this Journal Club for MEDG 545 credit are required to present at least once per term, to attend at least 90% of all sessions, and to actively participate in the discussions of all papers.

Journal Club Coordinator is Dr. Jan Friedman: [jan.friedman@ubc.ca](mailto:jan.friedman@ubc.ca).

**2. EPIGENETICS IN DEVELOPMENT AND DISEASE (LSC)**

**Faculty:** Drs. Louis Lefebvre, Matt Lorincz, Carolyn Brown & Molecular Epigenetics Group members

**When:** Every Wednesday

**Introductory session:** September 6, 2023

**Starting:** September 13, 2023

**Time:** 4:00-5:00 PM

**Description:** This Journal Club (JC) meets weekly, alternating weeks with research presentations (wing talks) from the Molecular Epigenetics Group at the LSI. Recent primary research articles related to all aspects of epigenetics, epigenomics, chromatin structure, and gene regulation are presented. Students taking the class for credit must present once each term. They are also expected to read the paper and any necessary background for the other JC presentations. Students are graded on their two presentations and on their participation and discussion during

other JC presentations. A maximum of six students will be permitted to register, with preference given to students whose supervisors regularly attend this Journal Club.

Journal Club Coordinator is Dr. Louis Lefebvre: [louis.lefebvre@ubc.ca](mailto:louis.lefebvre@ubc.ca)