

---

MIMM 387

Winter Year 2025

At least one 200-level biological/ biomedical discipline course

Mondays and Wednesdays | 2:35 pm - 3:55 pm

Lyman Duff Amphitheatre 1

3

George Kukolj ([george.kukolj@mcgill.ca](mailto:george.kukolj@mcgill.ca))

Harshita Katiyar ([harshita.katiyar@mail.mcgill.ca](mailto:harshita.katiyar@mail.mcgill.ca)) For questions, please contact through Courses.

By email, Zoom, Teams (easily requested and arranged)

Define the major steps in the pre-clinical discovery and the subseq

Religious conflict  
Health/medical  
Death in the family  
Serious illness/accident in the family  
Intercollegiate event  
Job interview  
Faculty-sponsored events held outside of Montreal

The following reasons are generally :

Travel not related to above issues, such as family birthdays, reunions, vacations.  
Two exams on the same day.  
Misreading of the course outline.  
Having many other exams / assignments in the same week.  
Obligations to student clubs or sports teams other than intercollegiate events discussed above.  
Employment obligations

For more information on submitting a request, please go to the Department website at [www.mcgill.ca/microimm/undergraduate-studies](http://www.mcgill.ca/microimm/undergraduate-studies)

---

Student wellbeing is a priority for the University. To help students find  
U 8  
been integrated into a single Student Wellness Hub, a one-stop shop for everything related to physical and mental health. If you need access to services or would like more information, you are strongly encouraged to visit the Virtual Hub: <https://www.mcgill.ca/wellness-hub/>.

) U 8 O †  
video in English, French, Arabic, Chinese, Hindi, Persian, Spanish, or Urdu:  
<https://www.mcgill.ca/library/orientation>

- 
1. 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 [www.mcgill.ca/students/srr/honest/](http://www.mcgill.ca/students/srr/honest/) for more information).(approved by Senate on 29

chaque étudiant a le droit de soumettre en français ou en anglais tout travail écrit devant

3. and/or the evaluation scheme in this course is subject to change.
4. McGill has policies on sustainability, paper use, and other initiatives to promote a culture of sustainability at McGill.
5. Learning support resources: Consult resources from Teaching and Learning Services (TLS) on topics such as time management, study strategies, group work, exam prep, and more. For further individualized support, check out the programs and resources offered by Student Accessibility and Achievement ([Resources for Learning | Student Accessibility & Achievement - McGill University](#)).
6. © 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 of medium without explicit permission of the instructor. Note that infringements of copyright can be subjected to follow up by the University under the Code of Student Conduct and Disciplinary Procedures.
7. End-of-course evaluations are one of the ways that McGill works toward maintaining and  
  
by email when the evaluations are available on Mercury, the online course evaluation system. Please note that a minimum number of responses must be received for results to be available to students.
8. Additional policies governing academic issues which affect students can be found in the <https://www.mcgill.ca/students/srr/policies-student-rights->

| Date |          | TOPIC  | LECTURER  |
|------|----------|--|---|
| 1    | M Jan 6  | Introduction<br>From Basic Science to Utility and Drug Discovery                     | George Kukolj PhD<br>Adj Professor and Course Coordinator                         |
| 2    | W Jan 8  | The Structure of a Multi-disciplinary Drug<br>Discovery and Development Organization | George Kukolj PhD<br>Adj Professor and Course Coordinator                         |
| 3    | M Jan 13 | Clinical Research in Drug Development  | Dr. Angela Genge, MD<br>Executive Director of the Clinical Research Unit, MN      |
| 4    | W Jan 15 | Separating Sense from Nonsense in Science  | Dr. Joe Schwarcz<br>Professor, Department of Chemistry, McGill                    |
| 5    | M Jan 20 | Discovery-to-Cure: The science of a curative<br>antiviral therapy                    | George Kukolj PhD<br>Adj Professor and Course Coordinator                         |
| 6    | W Jan 22 | Protecting your Innovations  | Mr. Christian Cawthorn Partner,<br>Patent Agent, Norton Rose Fulbright Law Firm   |
| 7    | M Jan 27 | Ethical Issues in Vaccine<br>Programs  | Dr. Brian Ward, MDCM, DMT&H<br>Research Institute McGill University Health Centre |
| 8    | W Jan 29 | The Science of Business Management<br>(Leading Science in Academia and Industry)     | Dr. Jacques Archambault<br>Professor Dept Microbiology and Immunology             |
| 9    | M Feb 3  | Discovery and Development of Medical<br>Diagnostics                                  | Dr. Mark Miller, MD<br>Physician Executive, Former CMO bioMerieux                 |
| 10   | W Feb 5  | How Science and Innovation can close Health<br>Disparity Gap in Cervical Cancer      | Dr. Annie Leung, MD<br>Asst Prof Obs. and Gyn. McGill University                  |
| 11   | M Feb 10 | Placebo Effect   | Dr. Jay Olson<br>Psychology, University of Toronto                                |
| 12   | W Feb 12 | MID TERM EXAM On lectures 1-11   |   |
| 13   | M Feb 17 | Science Business Analysis  | Group Presentations   |
| 14   | W Feb 20 | Science Business Analysis  | Group Presentations   |
| 15   | M Feb 24 | Evolution in Pharmaceutical R&D  | Dr. Michael Cordingley PhD<br>CSO, Transposon Therapeutics Inc                    |
| 16   | W Feb 26 | Outsourcing and Collaborative Drug Discovery<br>Research                             | Dr. Peter White<br>Sr Vice President, Biol Sci at Paraza Pharma Inc               |
|      | M Mar 3  | READING WEEK   | No Classes  |
|      | W Mar 5  |  |   |