**遗传学、伦理学与法律**

**Genetics, Ethics, and Law**

**上课时间与地点**

时间：2024年10月8日、10月10日、10月12日、10月14日、10月15日、10月16日、10月17日 8:00-11:35；10月11日、10月18日13:45-17:10

地点：长宁校区

**课程主讲人简介**

Ma 'n H. Zawati是麦吉尔大学医学院法学系副教授，也是人类遗传学系基因组政策中心的研究主任。他还是医学系、公平、伦理与政策系以及法学院的名誉成员。他的工作是跨学科的，结合了法律、伦理、基因组学和政策等多方面的观点。他的研究主要关注卫生研究和临床护理的法律、伦理和政策层面，特别关注数据共享、治理、专业责任以及新型技术（如移动健康应用、全基因组测序、外显子组测序）的使用。

Zawati受到魁北克研究基金、加拿大卫生研究院、基因魁北克和加拿大基因资助。他还是健康护理和生物科学领域各种关键和时事问题的频繁演讲者。他出席了180多次国际会议、研讨会和会议，并与大学、研究伦理委员会和律师事务所分享了他的专业知识。他担任Exactis Innovation和人类细胞图谱董事会成员。扎瓦蒂教授已在《自然遗传学评论》、《加拿大医学协会杂志》和《法律与生物科学杂志》等领先出版物上发表100多篇书籍章节和同行评审文章。2015年，他荣获伊丽莎白二世钻石禧年奖学金（在牛津大学学习），并被任命为加拿大皇家学会代表，参加IAP年轻科学家年度国际研讨会。2021年，扎瓦蒂教授获得FRQS J1职业奖。2022年，他出版了他的第一本书《人口生物银行中的互惠关系：基因时代中的关系自主权和告知义务》。2023年，他被选为麦吉尔大学参议员。

**Profile**

Ma’n H. Zawati is an Associate Professor at McGill University’s Faculty of Medicine and the Research Director of the Centre of Genomics and Policy in the Department of Human Genetics. He is also an Associate Member in the Department of Medicine, the Department of Equity, Ethics and Policy and the Faculty of Law. His work is interdisciplinary, drawing together perspectives from law, ethics, genomics, and policy. His research mainly focuses on the legal, ethical and policy dimensions of health research and clinical care, with a special focus on data sharing, governance, professional liability, and the use of novel technologies (e.g., mhealth apps, WGS, WES).

Prof. Zawati is funded by the Fonds de Recherche du Québec, CIHR, Genome Quebec and Genome Canada. He’s also a frequent presenter on a variety of the most critical and topical issues in healthcare and the biosciences. He has appeared at 180+ international conferences, symposia, meetings, and has shared his expertise with universities, research ethics boards and law firms. He sits on the Board of Directors of Exactis Innovation and the Human Cell Atlas. Prof. Zawati has published more than 100 book chapters and peer reviewed articles in leading publications such as Nature Reviews Genetics, the Canadian Medical Association Journal, and the Journal of Law and the Biosciences. In 2015, he was awarded the Queen Elizabeth II Diamond Jubilee Scholarship (stay at Oxford University) and was named a Royal Society of Canada Delegate for the IAP Young Scientists of the Year international symposium. In 2021, Prof. Zawati received his J1 FRQS Career Award. In 2022, he published his first book: “Reciprocity in Population Biobanks: Relational Autonomy and the Duty to Inform in the Genomic Era”.

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| **院系 School** | 中国法治战略研究院 Academy for China's Rule-of-Law |
| **学科门类 Fields of Study** | 卫生健康法 Health Law |
| **所属一级学科名称 Disciplines** | 法学 Law |
| **所属二级学科名称 Sub-Disciplines** | 卫生健康法 Health Law |
| **先修课程 Prerequisites** | 无 N/A |
| **选课对象 Registration Recommendations** | 硕士研究生Postgraduate students |
| **课时与学分 Lecture Hours & Credits** | 36学时36 Lecture Hours |
| **授课语言 Language taught** | 英语 English |

**基本信息 Basic information**

**课程目标**

1. 向学生介绍人类遗传学及其相关“-omics”学科的法律、伦理和政策研究。2. 促进跨学科合作与讨论，作为丰富科研实践的手段。

课程将采用研讨会的形式授课，辅以主题班级讨论会和案例研究。通过课堂讲授、案例研究和对精选读物的讨论，学生将思考基因学、法律和伦理之间的复杂关系。课程中的每一位成员都将参与并为课程的学习做出贡献。这种合作学习的经验将反映在课程结构和学生作业评估的方式上。

**Learning Goals**

1. Introduce students to legal, ethical and policy scholarship in human genetics and related “omics” disciplines, and

2. Promote interdisciplinary collaboration and debate as means to enrich scientific practices.

The classes will be taught in seminar style, complemented by thematic class discussions and case studies. Through class lectures, case studies and discussions on selected readings, students will be asked to reflect on the complex relationships between genetics, law, and ethics. Each member of the class will participate in and contribute to the learning that occurs. Such collaborative learning experiences will be reflected in the way the course is structured and the student’s work is evaluated.

**课程内容**

本课程将包含以下主题：第一，遗传学中的伦理框架和推理方法；第二，遗传学与法律；第三，基因研究、生物银行和数据共享；第四，隐私和数据滥用；第五，药物基因组学和RNA技术；第六，基因学、直接面向消费者的基因检测和数字健康；第七，遗传咨询和法律承认：国际视角；第八，再生医学。

**Content**

This course will cover the following topics:

1. Ethical Frameworks in Genetics and Methods of Reasoning,

2. Genetics and the Law,

3. Genetic Research, Biobanks, and Data Sharing,

4. Privacy and Data Misuse,

5. Pharmacogenomics and RNA Technologies,

6. Genomics, DTC and Digital Health,

7. Genetic Counselling and Legal Recognition – International Perspectives, and

8. Regenerative Medicine.