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## **Faculty Information Exchange Series 2020-2021**

### **Faculty journeys with intellectual property: Challenges and learnings along the way**

January 29, 2021

## **Dr. Emma Allen-Vercoe**

**Professor, Canada Research Chair in Human Gut Microbiome Function and Host Interactions  
Department of Molecular and Cellular Biology**



Dr. Allen-Vercoe has established research program aimed at the study of the normal human microbiota and its influence on human health and disease.

At Guelph, she has built a world-class anaerobic microbiology facility and directed it both towards answering fundamental research questions, and to create translational opportunities to move the science into the clinic.

In 2013, she co-founded NuBiyota, a company whose mission is to develop “Microbial Ecosystem Therapeutics” to treat disorders that have gut microbial dysbiosis as a root cause.

## **Dr. Graham Taylor**

**Associate Professor, Canada Research Chair in Machine Learning Systems  
School of Engineering**



Graham Taylor is a Canada Research Chair and Associate Professor of Engineering at the University of Guelph. He directs the University of Guelph Centre for Advancing Responsible and Ethical AI and is a member of the Vector Institute for AI. He has co-organized the annual CIFAR Deep Learning Summer School and trained more than 60 students and researchers on AI-related projects. In 2016 he was named as one of 18 inaugural CIFAR Azrieli Global Scholars. In 2018 he was honoured as one of Canada's Top 40 under 40. In 2019 he was named a Canada CIFAR AI Chair. He spent 2018-2019 as a Visiting Faculty member at Google Brain, Montreal.

Graham co-founded Kindred, which was featured at number 29 on MIT Technology Review's 2017 list of smartest companies in the world. He is the Academic Director of NextAI, a non-profit accelerator for AI-focused entrepreneurs.

# What is Intellectual Property (IP) ?

## Original works of the mind: When ideas converted to practical inventions

- Legally controlled by the laws of each country
- Inventorship, Approvals & IP Rights are legally defined

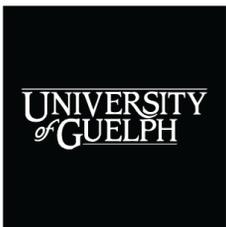


## Commercial & Functional

- Drugs, machines, methods to manufacture, use of materials, circuit board design, recipes, new substances, new plant varieties

## Artistic & Expressive

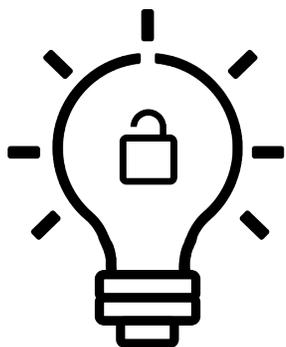
- Music, literature, software, graphics, pictures, logos, trademarks



# Who owns my IP at U of G?

## Intellectual Property Policy (2014)

- All inventors own the IP they create
- Inventors must report new inventions to RIO
- Inventors may choose to assign to UofG and use RIO
  - UG accepts costs/risk; but revenue split 50:50
- Inventors may place their IP in their start-up company



## Exceptions

- Invention/creation is your job responsibility
- Written terms of funding state otherwise
  - OMAFRA funded projects
  - Industry-sponsored research

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# Protecting your IP

## Patent

- Man-made, non-disclosed, novel, non-obvious & useful
- Good for drugs, machines, and devices that need lots of R&D

## Trade Secret

- Non-disclosed, hard to reverse engineer
- Good inventions that are hard to copy like recipes or complex methods to make things

## Copyright

- Personal expression authored by you
- Good for novels, music and movies

# Additional Resources

## Canadian Intellectual Property Office

<http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/Home>

## Canadian Intellectual Property Law for Dummies

<http://www.canadian-ip.com/>

## Intellectual Property Law for Engineers & Scientists

<http://ca.wiley.com/WileyCDA/WileyTitle/productCd-0471449989.html>

## US Patent & Trademark Office

<https://www.uspto.gov/>

## How to File a US Patent Application

<http://www.basicpatents.com/pathfpa.htm>

## Intellectual Property Policy

<https://www.uoguelph.ca/research/for-researchers/patenting-commercialization/ip-policy>

## Research Innovation Office

<https://www.uoguelph.ca/research/innovation/>

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IP ?

Contact us  
anytime!

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## **Guest Speakers then Q&A session**

Please use the chat box icon to enter your questions for the speakers.

Thank you & Please leave a review

A link to the anonymous on-line evaluation survey is in Chat.

We appreciate your feedback and participation.

[https://uoguelph.eu.qualtrics.com/jfe/form/SV\\_6DPBuGJsQOFFumx](https://uoguelph.eu.qualtrics.com/jfe/form/SV_6DPBuGJsQOFFumx)