

# Henry and Sylvia WONG FORUM IN MEDICINE

The Henry and Sylvia WONG FORUM IN MEDICINE for the advancement of research and public education was established by the Wongs, who are both McMaster Alumni.



11th Annual DAY in FACULTY DEVELOPMENT 2018

## BULLSEYE: A Beginner's Guide To Killing Cancer Cells

*"We all know people who have been touched by cancer  
and in my family, people have died of the disease"  
(Patrick Gunning)*

What if we could engineer a molecule to target cancer cells but leave healthy cells unharmed? Scientist and visionary Patrick Gunning is leading a scientific breakthrough that could transform cancer therapy.

### Abstract

Prof. Gunning will focus on the story of his efforts to target Glioblastoma (brain cancer) and Acute Myeloid Leukemia. He will describe the complexities of creating "stealth" molecules that navigate the many obstacles presented by the human body to selectively bind to a target protein in the cancer cell, killing it while leaving the normal ones unharmed. Prof. Gunning shows how, despite the odds, with intelligent design, hard work and no shortage of good luck, drug-like molecules can be developed and taken toward clinical trials.

### Objectives:

- Describe the process for discovering and developing optimized drugs for cancer treatment
- Gain an appreciation for the importance of medicinal chemistry in drug discovery
- Discuss the vast complexities associated with developing a new drug
- Learn about the Centre for Medicinal Chemistry at the University of Toronto in facilitating drug development in academia

**Wednesday, May 9, 2018**

4:15 p.m. to 5:30 p.m. *Reception to follow -*

*All Welcome*

**DBHSC - 2032**

*David Braley Health Sciences Centre,  
100 Main St. W. (corner of Main & Bay)*

### Guest Speaker



**Prof. Patrick Gunning**

Patrick Gunning is the Canada Research Chair in Medicinal Chemistry, Professor, Dept. of Chemical & Physical Sciences, and the inaugural Director of the Centre of Medicinal Chemistry at the University of Toronto.

Prof. Gunning has pioneered breakthroughs in medicinal chemistry to combat cancer with 89 research publications, 11 US patents, and three pharmaceutical companies under his name. In the past ten years, he has attracted over \$ 24 million in research funding and his work has appeared on 11 journal covers.

He is a sought after speaker and has garnered numerous awards and accolades including the Toronto Star's 2013 Top 10 to Watch, the 2013 Univ. of Toronto Inventor of the Year, the Canadian Society for Chemistry's Bernard Belleau award, the Royal Bank of Canada Prize for Innovation & Entrepreneurship and a Canada's Top 40 under 40 award.

<http://www.gunninggroup.ca/patrick-gunning>



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