



York Collegium  
for Practical Ethics

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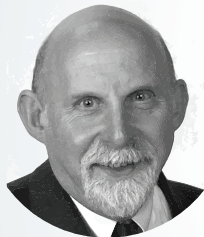


YCPPL  
The York Centre for  
Public Policy and Law

# GENOME ENGINEERING AND ITS APPLICATIONS

## Including Legal and Ethical Issues

The technology for genome editing, referred to as 'CRISPR', has developed very recently from basic studies on adaptive immunity in bacteria; how bacteria protect themselves from viral infection. Many of the applications of genome editing, in medicine (e.g. 'personalized medicine') and in other areas, have important ethical consequences. We will discuss the scientific foundation of the technology and introduce some of its applications, as well as discussing legal and ethical implications for the use of the technology.



## Dr. Ronald E. Pearlman

**NOVEMBER 23, 2016 / 12 PM - 2 PM**  
**OSGOODE HALL, RM 1005**

A light lunch and refreshments will be provided.

Please RSVP to event organizer Ian Stedman  
[ianstedman@osgoode.yorku.ca](mailto:ianstedman@osgoode.yorku.ca)

**Dr. Ronald E. Pearlman** received a BSc in Honors Chemistry from McGill University and an AM and PhD from Harvard University from the Committee on Biochemistry and Molecular Biology, working with Nobel Prize winner Konrad Bloch. Following postdoctoral training at the Biological Institute, Carlsberg Foundation in Copenhagen Denmark, he became an Asst Professor in the Dept. of Biology at York University. He was an associate of the Canadian Institute for Advanced Research Evolutionary Biology Program, has served on the Gairdner Foundation Medical Review Panel and Medical Advisory Board, and is presently the Associate Scientific Director of the Gairdner Foundation. He serves as Past President and Advisor on the Council of the Royal Canadian Institute for Science. He formally retired in 2008 becoming University Professor Emeritus and Senior Scholar and maintains an active research program using genomic and proteomic techniques in addressing questions of gene organization and expression. With his expertise in 'omic' technologies, he has served on the Scientific Advisory Board and Steering Committee for the *Tetrahymena* Genome Project.

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