

150 Years of Outstanding Teaching at Cornell: A Tribute to Some of the Greats
April 15, 4:30pm-6:00pm
Statler Hotel Amphitheater

Come celebrate great teaching at Cornell as current faculty remember inspiring teachers from years past. A reception will follow the panel. –please **RSVP** to cornellcte@cornell.edu

Invited Storytellers

Deborah Streeter (moderator)

Bruce F. Failing, Sr., Professor of Personal Enterprise, Charles H. Dyson School of Applied Economics and Management & Stephen H. Weiss Presidential Fellow

Roald Hoffmann

Frank H.T. Rhodes Professor of Humane Letters Emeritus, Department of Chemistry and Chemical Biology

Mariana Wolfner

Professor, Department of Molecular Biology and Genetics & Stephen H. Weiss Presidential Fellow

Martha P. Haynes

Goldwin Smith Professor of Astronomy, Department of Astronomy

Scott MacDonald

Norma K. Regan Professor in Christian Studies, Departments of Philosophy and Comparative Literature

The Genomic Revolution: How DNA Information Is Changing Our Lives
Sunday, April 26, 2015 at 11:00am to 12:15pm
Pepsico Lecture Hall, Room 305, Ives Hall, ILR School

Genetic studies have revolutionized modern agriculture, but GMOs are controversial. Recent applications of DNA technology to medicine and forensics raise further ethical issues. Should constraints be placed on its use?

Astonishing advances in DNA sequencing technology and in bioinformatics permit access to vast amounts of DNA information at ever decreasing cost. The ability to analyze and curate this information is rapidly becoming a core element of scientific agriculture, prenatal diagnosis, drug development and precision medicine, forensic science and even studies of the evolution and migration of the human family. In each of these fields questions have been raised about what constraints (if any) should be placed on use of DNA information.

After providing the audience with an overview of the power of DNA sequencing technology, each panel member will discuss opportunities and issues raised by the application of DNA

sequencing and companion technologies to a particular field. How is DNA technology influencing man's constant struggle to feed humanity? What will the impact be of whole genome sequencing on prenatal diagnosis? Will a new kind of eugenic thinking emerge? What impact is DNA analysis having on our definition of disease, on how physicians choose therapies, and on drug development? Can we afford the costs associated with ever more personalized medicine? What impact will DNA testing have on veterinary medicine? How is comparative DNA analysis altering our understanding of our own evolution as a species?

The panel will turn to the audience to help explore these questions.

Moderator:

[Stephen Hilgartner BA '83, PhD '88](#) (Professor, Science & Technology Studies, Cornell University)

Panelists:

[Philip Reilly BA '69, M.D., J.D.](#) (Cornell University Emeritus Trustee; Member, Board of Overseers at Weill Cornell Medical College; Venture Partner, Third Rock Ventures)

[Charles Aquadro](#) (Professor, Molecular Biology & Genetics, Cornell University)

[Margaret Smith PhD '82](#) (Professor, Plant Breeding & Genetics, Cornell University)

[Rory Todhunter PhD '92](#) (Maurice R and Corinne P Greenberg Professor of Surgery, Cornell University College of Veterinary Medicine)

[Adam Boyko](#) (Assistant Professor, Biomedical Sciences, Cornell University)