

Queen's University School of Medicine presents  
The 3<sup>rd</sup> Annual Dr. Andrew and Margaret Bruce  
Visiting Scholar in Surgical Innovation

## OPEN TO THE PUBLIC

The Queen's University  
Departments of Surgery and Urology  
invite you to a special presentation by



**Dr. Garth D. Ehrlich, PhD**

### **Man vs. Microbe Are we Winning the War of the Genomes?**

Dr. Ehrlich is Professor of Microbiology and Immunology, and Otolaryngology-Head and Neck Surgery at Drexel University College of Medicine in Philadelphia, PA, USA. His research crosses multiple disciplines in both basic and clinical science and his studies have enabled him to make substantial contributions, particularly in the understanding of bacterial pathogenesis. His work in the area of bacterial biofilm has explained many of the paradoxical aspects of mucosal infections, and by disease gene mapping and cloning studies he has shown the role of bacterial pathogens in "sterile" conditions in many surgical disciplines, impacting on potential treatment modalities. More recently, he has used statistical genetics to identify genes associated with virulence factors in bacterial populations. Dr. Ehrlich's latest paradigm-changing hypothesis, developed with his collaborator, Judith Miklossy, are that both osteoarthritis and Alzheimer's Disease (AD), result from a combination of chronic bacterial biofilm infections of the joints and brain, respectively, and in the case of AD the brain's anti-microbial and inflammatory responses to these infections.



**Tuesday, October 21<sup>st</sup>, 2014, 5:00 PM**

The Dr. Andrew and Margaret Bruce Endowment for Visiting Scholars in Surgical Innovation Established by Dr. Andrew and Margaret Bruce, the endowment will be used to support hosting of prominent scholars at Queen's University. It is the goal and objective of this endowment that the visiting scholar will bring special expertise in the area of surgical scholarship, will introduce new research and ideas, will teach new methodologies to Queen's medical scientists and clinicians and provide new concepts to the students.

**School of Medicine Building  
15 Arch St.**

**Queen's University  
Room 032A (Lower Level)**

**All welcome - Free Admission  
Refreshments at 4:30 PM**