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Wednesday, April 20, 2011
12:00pm
in LSC3

Life Sciences Centre
2350 Health Sciences Mall

“A Unified Approach to Discover the Cellular Origins of Disease”

The Marth laboratory is incorporating nanotechnologies, micro fluidics, and microarray platforms to develop new approaches in the detection and treatment of disease. These efforts include identifying disease origins and developing more rapid and effective means of disease diagnosis and treatment. Research and development in the laboratory includes high-throughput approaches that interrogate, manipulate, and exploit the four fundamental cellular components, that together control health and disease. The laboratory integrates molecular and cellular biology, along with animal physiology, into disease-specific projects that span diabetes, autoimmune disease, cancer, infectious disease, and neurological dysfunction.

This approach has resulted in discoveries of unexpected disease origins that cause autoimmune disease, diabetes, and the lethal complications of sepsis. These findings indicate that there exist causes of disease for which no relevant diagnostics currently exist and for which no therapeutic approaches are presently targeted towards. It is thereby possible to conceive of novel effective diagnostics and therapeutics which more precisely target the pathogenic and cellular origins of disease in order to achieve prevention, treatment, and ultimately cure.

This Seminar is sponsored by:



Host: Dr. Natalie Strynadka, Professor, Associate Member, Michael Smith Laboratories, Member, Centre for Blood Research, UBC



Refreshments will be served 10 minutes before the seminar
Seminar information: 604 822 7407

