

Lunch 'N Learn



Cytokine Storm in a Teacup: Growth Factor Dynamics in Cell Culture and Clinical Translation

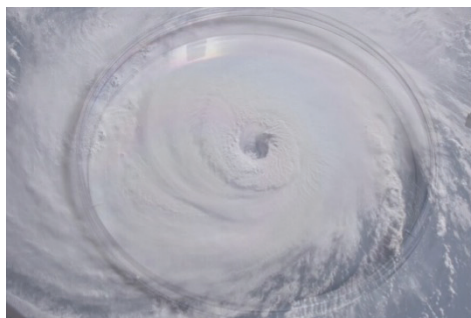
Presented by: Dr. Michael Jones – Cell Guidance Systems Ltd, Cambridge, UK

October 4th, 2024

**BMO Centre – Room A
60 Leonard Avenue, Toronto, M5T 2S4**

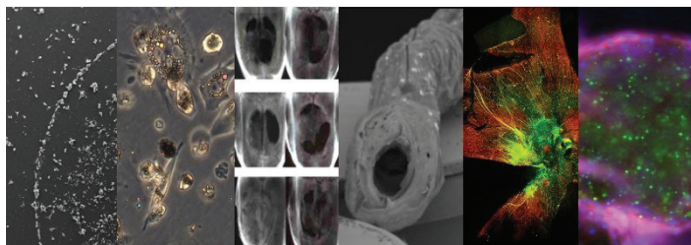
**Lunch will be served at 11:30am / Seminar: 12:00pm - 12:30pm
Attendance gift for the first 20 attendees**

Cell culture aims to provide models which instruct our understanding of in-vivo reality. Growth factors are highly potent, secreted proteins that act as key intercellular communicators. Instability is an inherent (and necessary) property of growth factors that limits their temporal and spatial range of diffusion, thereby allowing the maintenance of complex tissue structures. To overcome this instability in-vivo, a constant trickle of new growth factors is produced by cells. For cell culture, this constant stream is commonly replaced by bolus additions of recombinant growth factors when the culture media is changed. Technologies that enable greater spatial and temporal control of growth factor delivery to cells improve the relevance, reproducibility and reliability of cell culture and the therapeutic potential of growth factors.



Dr. Michael Jones

PhD, Newcastle University - Skin cancer molecular biology
Cancer Institute, Tokyo - Uterine Cancer gene mapping. 2 years
Cambridge University - Y chromosome mapping. 3 years
Chugai Pharmaceuticals, Tokyo - Lung cancer transcription profiling. 8 years
Invitrogen, Tokyo - Corporate development. 4 years
ReproCELL, Tokyo - Operations, 1 year
Cell Guidance Systems - Founder/CEO 14 years



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