

Dalhousie Postdoctoral Fellows Research Day

Friday, October 10, 2014

Proudly presented by the Dalhousie Postdoctoral Society and the Faculty of Graduate Studies

Theme: “Postdoctoral Fellowship in the academia and industry: Changes in the research landscape”

Event open to postdoctoral fellows and supervisors

9:30 Pick up badge and program

9:45 Opening remarks, Dalhousie Postdoctoral Society and Faculty of Graduate Studies

10:00 3-minutes oral presentations from postdoctoral fellows

11:00 Postdoctoral fellows group photo

11:15 Poster presentations from postdoctoral fellows

12:00 Lunch break (light lunch provided)

1:00 Keynote presentation: Dr. Paula Stephan

Professor of economics, Andrew Young School of Policy Studies, Georgia State University, Atlanta and Research Associate, National Bureau of Economic Research, “The economics of the postdoctoral position”

2:00 Coffee break (tea/coffee/water provided)

2:30 Panel discussion “Navigating career opportunities for postdoctoral fellows: Changes in the research landscape”

In today’s research environment, postdoctoral fellows play a key role in conducting research and developing ideas and knowledge. While once considered a short period between finishing a PhD and starting a position as a faculty member at a university, postdoctoral fellowship no longer leads directly to the ivory tower. Faculty job openings are sparse, and most postdocs will have to seriously consider alternate career paths such as jobs in government and industry. The panelists will aim to discuss where scientific research is heading and how postdoctoral fellows fit into this new research landscape.

Panelists:

Paula Stephan, Professor of economics, Andrew Young School of Policy Studies, Georgia State University, Atlanta and Research Associate, National Bureau of Economic Research

Patrick McGrath, Integrated Vice President Research and Innovation, Capital District Health Authority and IWK Health Centre

Marianne Stanford, Director of Research, Immunovaccine, Adjunct Professor, Department of Microbiology and Immunology, and Founding Chair, Canadian Association of Postdoctoral Scholars (CAPS)

Brennan Gillis, Director, Business Development (NS), Mitacs

Ying K Tam, President and CEO of Mindful Scientific

Facilitator: Eileen Denovan-Wright, Associate Dean of Faculty of Graduate Studies

4:00 Closing Remarks/Award

3-min oral presentations

1. Jin Zhang (Pharmacology), Neuroprotection by improved mitochondrial performance
2. Jess Topple (Physics), Developing environmentally sustainable, affordable organic solar materials
3. Dhvani Desai (Biology), Factors influencing the diversity of iron uptake systems in aquatic microorganisms
4. Vickie Armstrong (Autism Research Centre), What can early play behaviours tell us about the emergence of autism spectrum disorder?
5. Nicolas Stifani (Medical Neuroscience), Step by step... The secrets of locomotion
6. Ludovic Durrieu (Biochemistry and Molecular Biology), Implication of S100A10 in the progression and severity of stroke
7. Amanda Hudson (Psychology and Neuroscience), Examining mood, drinking motives, and alcohol use over the menstrual cycle
8. Ananda Baskaran Venkatachalam (Atlantic Centre for Transplantation Research), Delivery of heme oxygenase-1-cell penetrating peptide (HO-1-CPP) into hepatocytes in in vitro and ex vivo model of cold ischemia
9. Jie Lin (Department of Electrical and Computer Engineering), Super-resolution focusing with polarized optical beam
10. Jessica Clark (Medical Neuroscience), Cux2 activity defines a subpopulation of perinatal neurogenic progenitors in the hippocampus
11. Barbara Swanson (Musicology), Optical neume recognition: Teaching computers to think like medieval singers
12. Alamelu Bharadwaj (Biochemistry and Molecular Biology), Role of S100A10 (p11) in mouse mammary tumour progression
13. Catherine Brennan (Oceanography), Putting temperature and oxygen thresholds of marine animals in context of environmental change in coastal seas: A regional perspective
14. Laurence Madera (Microbiology and Immunology), Targeted delivery of pleurocidin-family peptide NRC-03 to breast carcinoma cells
15. Graydon Snider (Physics and Atmospheric Science), Building a global aerosol network from the ground up
16. Kristi Kenyon (Political Science), Choosing rights: the puzzle of the rights frame in HIV advocacy
17. Xi Zoë Zhong (Physiology and Biophysics), Novel function of ATP: activation of Cathepsin D and P2X4 in lysosomes

Poster presentations

1. Nicolas Stifani (Medical Neuroscience), Step by step... The secrets of locomotion
2. Ananda Baskaran Venkatachalam (Atlantic Centre for Transplantation Research), Delivery of heme oxygenase-1-cell penetrating peptide (HO-1-CPP) into hepatocytes in in vitro and ex vivo model of cold ischemia
3. Ludovic Durrieu (Biochemistry and Molecular Biology), Implication of S100A10 in the progression and severity of stroke
4. Liliana Portales Cervantes (Microbiology and Immunology), Virus-infected human mast cells enhance natural killer cell functions
5. Stephan Warnat (Mechanical Engineering), Thermal MEMS actuator operation in aqueous media: Performance enhancement through ALD post processing
6. Thierno Madjou Bah (Medical Neuroscience), Effects of chronic sleep restriction on cardiac measures and body temperature in rats
7. Alamelu Bharadwaj (Biochemistry and Molecular Biology), Role of S100A10 (p11) in mouse mammary tumour progression
8. Jessie-Lee McIsaac (Atlantic Health Promotion Research Centre, School of Health and Human Performance), Advancing school health strategies with results from the Children's Lifestyle And School-performance Study.
9. Pia Elustondo (Physiology and Biophysics), Spermine inhibits the high conductance mode of mitochondrial permeability transition pore
10. Yu Xia (Physics), Adsorption, diffusion and desorption of hydrogen on graphene
11. George Haddad (Microbiology and Immunology), Phosphoinositide 3-kinase- β mediates microvascular endothelial repair of thrombotic microangiopathy
12. Jin Zhang (Pharmacology), Neuroprotection by improved mitochondrial performance
13. Amanda Hudson (Psychology and Neuroscience), Associations between Personality and Drinking Motives in Adolescents Involved in the Child Welfare System
14. Xi Zoë Zhong (Physiology and Biophysics), Lysosomes accumulate ATP through SLC17A9 to activate P2X4

ACKNOWLEDGEMENTS

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