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VINCENT BOUDREAU

As a cell biology graduate student and conference developer, I am committed to advancing research through my own work in the lab, as well as by contributing to the growth and value of the scientific community by fostering collaborations and fruitful interactions.

EXPERIENCE

RESEARCH FACILITATOR
Physiology Course
Marine Biological Laboratory
Woods Hole, MA
Summer 2016/2017

Under Dr. Wallace Marshall's supervision, I developed a research plan and oversaw the success of the Physiology Course's students in answering biological questions in a discovery-based setting. We examined the cell biological and metabolic relationship between a wild species of the pond dwelling protist Stentor and its endosymbiotic alga.

CO-ORGANIZER &
CO-FOUNDER
The Triangle Cytoskeleton Meeting
2014-2017

Through the Triangle Cytoskeleton Meeting, our team aims to provide a forum to present and discuss cutting edge research on the cytoskeleton in addition to promoting communication and collaboration between research institutions. Our 2014 and 2015 meetings gathered over 200 people and raised more than $30K in grants and sponsorships.

CITY COORDINATOR
Research Triangle Park
Pint of Science US
2016

Through a series of discussions about the importance, the similarities, the dierences and the processes of doing art and science, we are striving to bridge the communication gap between the general public and highly skilled artists and scientists.

EDUCATION

GRADUATE STUDENT
Biology
UNC-Chapel Hill
Chapel Hill, NC
2013-Present

Under Dr. Paul Maddox's supervision, I study the cell biological requirements and the timing of the last events that govern how cells divide using cultured human cells, flies and worms as model organisms and genetic, cell biological, imaging and computational as technological approaches.

VISITING STUDENT
Biophysics
UC, Berkeley
Berkeley, CA
Spring 2016

Established a collaboration with Dr. Hernan Garcia's lab to study the timing and regulation of transcription activation with respect to cell division using advanced microscopy, image analysis and computational biology approaches.

STUDENT
Physiology Course
Marine Biological Laboratory
Woods Hole, MA
Summer 2015

I completed this research-based, intensive bootcamp-like course aimed at bridging the biological, physical and computational sciences to lead to new research discoveries. During the course I discovered a new structure within a pond-dwelling organism that physically supports the life of the organism's endosymbiotic algae.

GRADUATE STUDENT
Biochemistry
University of Montreal
Montreal, QC
2012-2013

Under the supervision of Dr. Vincent Archambault, I conducted genetic and proteomic screens to identify novel molecular interactions of critical importance to the exit from mitosis using the fly embryo. (Transfered to UNC).

FUNDING

DOCTORAL FELLOWSHIP
2014-2017

Fonds de recherche en santé du Québec (FRSQ) - Quebec's NIH
Competitive funding: 25% success rate

POST COURSE RESEARCH FELLOWSHIP - 2016

Funding to conduct research in Dr. Hernan Garcia's laboratory at the University of California - Berkeley

PHYSIOLOGY COURSE
Summer 2015

Burroughs Wellcome Fund and Caswell Grave Scholarship Fund

MASTER'S FELLOWSHIP
2012-2014

Fonds de recherche en santé du Québec (FRSQ) - Quebec's NIH
Competitive funding: 33.8% success rate

RESEARCH FELLOWSHIP
2012-2014

Faculté des études supérieurs et postdoctorales (FESP)
Support for the direct transition to the PhD from the BSc

UNDERGRADUATE FELLOWSHIP
2010

The Canadian Society for Mucopolysaccharide and Related Diseases

PRIZES

IMMIGRANT TRAVEL AWARD
2015

Travel award to attend the American Society for Cell Biology's 2015 annual meeting in San Diego, CA
Geston & Schatz, P.C.

OUTSTANDING POSTER PRESENTATION - 2015

Developmental & Stem Cell Biology Symposium
University of North Carolina at Chapel Hill

BEST ORAL PRESENTATION
2013

Simon-Pierre Noël prize - Biochemistry department
University of Montreal

BEST POSTER PRESENTATION
2012

GE Healthcare prize
4th IRIC Scientific Day, University of Montreal

BEST POSTER PRESENTATION
Second place
2012

Canadian Society for Molecular Biosciences (CSMB)
Biochemistry department, University of Montreal

PRESENTATIONS

TALK
Kinetochore Dynamics Meeting - Copenhagen, DK
2015

Completing mitosis requires the timely reactivation of nucleocytoplasmic trafficking

INVITED SPEAKER
University of Sherbrooke
2014

PP2A interagit génétiquement et physiquement avec le centromère
Biochemistry department symposium

TALK
University of Montreal
2013

Dissecting the roles of Protein Phosphatase 2A in mitotic exit
Biochemistry department symposium

TALK
MCCCM
2012

PP2A-B55/Tws collaborates with CENP-C for the cell cycle progression and regulates merotelic kinetochore-microtubule attachments in anaphase
Montreal Cell Cycle and Cytoskeleton Meeting

LANGUAGES

ENGLISH FRENCH RUSSIAN