



**McGill School of Environment (Graduate)  
Programs, Courses and University Regulations  
2018-2019**



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This publication provides guidance to prospects, applicants, students, faculty and staff.

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1	Dean's Welcome, page 7
2	Graduate and Postdoctoral Studies, page 7
2.1	Administrative Officers, page 7
2.2	Location, page 7
2.3	Graduate and Postdoctoral Studies' Mission, page 7
3	Important Dates, page 8
4	Graduate Studies at a Glance, page 8
5	Program Requirements, page 8
6	Graduate Admissions and Application Procedures, page 8
7	Fellowships, Awards, and Assistantships, page 8
8	Postdoctoral Research, page 8
8.1	Postdocs, page 9
8.2	Guidelines and Policy for Academic Units on Postdoctoral Education, page 9
8.3	Vacation Policy for Graduate Students and Postdocs, page 10
8.4	Leave of Absence for Health and Parental/Familial Reasons, page 11
8.5	Postdoctoral Research Trainees, page 11
9	Graduate Studies Guidelines and Policies, page 11
10	Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees, page 12
11	Browse Academic Units & Programs, page 12
11.1	Environment, page 12
11.1.1	Location, page 12
11.1.2	About Environment, page 13
11.1.3	Environment Admission Requirements and Application Procedures, page 14
11.1.3.1	Admission Requirements, page 14
11.1.3.2	Application Procedures, page 15
11.1.3.3	Application Dates and Deadlines, page



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## 1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 9,000 graduate students in over 400 programs. *GPS* is here to support you from admissions through to graduation and beyond. We take a holistic approach to graduate student success; we support not only your academic development, but also your career-planning and professional development, and your well-being and student life. I invite you to consult the website *Resources for Your Success*, which is a one-stop-shop for the many resources and support systems in place for you across the University.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Dean, Graduate and Postdoctoral Studies*

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## 2 Graduate and Postdoctoral Studies

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### 2.1 Administrative Officers

#### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Dean (Graduate and Postdoctoral Studies)**

Robin Beech; B.Sc.(Nott.), Ph.D.(Edin.)

**Associate Dean (Graduate and Postdoctoral Studies)**

France Bouthillier; B.Ed., C.Admin.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Jean-Jacques Lebrun; B.Sc.(La Roche-sur-Yon), M.Sc.(Rennes), Ph.D.(Paris V)

**Associate Dean (Graduate and Postdoctoral Studies)**

Elisa Pylkkanen; B.A., M.A.(McG.)

**Director (Graduate and Postdoctoral Studies)**

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### 2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal QC H3A 0G4

Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps)

**Note:** m569.48 318.L4one0 0 1 /gps

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### **3 Important Dates**

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

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### **4 Graduate Studies at a Glance**

Please refer to [University Regulations & Resources](#) > *Graduate* > : *Graduate Studies at a Glance* for a list of all graduate departments and degrees currently being offered.

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### **5 Program Requirements**

Refer to [University Regulations & Resour](#)



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## **8.1 Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

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## **8.2 Guidelines and Policy for Academic Units on Postdoctoral Education**

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should hav



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## 8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > : Leave of Absence Status](#)).

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to Enrolment Services. See the procedure in [University Regulations & Resources > Graduate > : Leave of Absence Status](#).

Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available at [www.mcgill.ca/gps/funding/getting-paid](http://www.mcgill.ca/gps/funding/getting-paid) under "Leave Policies and Form."

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## 8.5 Postdoctoral Research Trainees

### Eligibility

If your situation does not conform to the Government of Quebec's definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the Government of Quebec's definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (master's or Ph.D.) through application to a relevant

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 10 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources > Graduate > : Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees](#) for information on the following:

- Policy on Research Ethics
- Regulations on Research Policy
- Policy on Research Integrity
- Guidelines for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 11 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2018–2019 session as listed. The Faculty/School reserves the right to introduce changes as may be deemed necessary or desirable at any time throughout the year.

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### 11.1 Environment

#### 11.1.1 Location

##### **Downtown Campus**

McGill School of Environment  
3534 University Street  
Montreal QC H3A 2A7  
Canada  
Telephone: 514-398-2827  
Fax: 514-398-1643

##### **Macdonald Campus**

McGill School of Environment  
Rowles House  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7559

*Coordinator* – C. Zhu

Telephone: 514-398-2827  
Fax: 514-398-1643  
Email: [grad.mse@mcgill.ca](mailto:grad.mse@mcgill.ca)

**Entomology (under : [Natural Resource Sciences](#))**

: [Doctor of Philosophy \(Ph.D.\) Entomology: Environment](#) ( [Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Natural Resource Sciences)

**: [Geography](#)**

: [Master of Arts \(M.A.\) Geography \(Thesis\): Environment \(45 credits\)](#) ( [Science](#) > Graduate > Browse Academic Units & Programs > Geography)

: [Master of Science \(M.Sc.\) Geography \(Thesis\): Environment \(45 credits\)](#) ( [Science](#) > Graduate > Browse Academic Units & Programs > Geography)

: [Doctor of Philosophy \(Ph.D.\) Geography: Environment](#) ( [Arts](#) > Graduate > Browse Academic Units & Programs > Geography)

**: [Law](#)**

: [Master of Laws \(LL.M.\) Law \(Thesis\): Environment \(45 credits\)](#) ( [Law](#) > Graduate > Browse Academic Units & Programs > Law)

: [Master of Laws \(LL.M.\) Law \(Non-Thesis\): Environment \(45 credits\)](#) ( [Law](#) > Graduate > Browse Academic Units & Programs > Law)

**Management (under : [Desautels Faculty of Management](#))**

: [Doctor of Philosophy \(Ph.D.\) Management: Environment](#) ( [Management](#) > Graduate > Joint Ph.D. in Management Admission Requirements and Application Procedures)

**: [Medicine, Experimental](#)**

: [Master of Science \(M.Sc.\) Experimental Medicine \(Thesis\): Environment \(45 credits\)](#) ( [Medicine](#) > Graduate > Browse Academic Units & Programs > Medicine, Experimental)

: [Doctor of Philosophy \(Ph.D.\) Experimental Medicine: Environment](#) ( [Medicine](#) > Graduate > Browse Academic Units & Programs > Medicine, Experimental)

**Microbiology (under : [Natural Resource Sciences](#))**

: [Master of Science \(M.Sc.\) Microbiology \(Thesis\): Environment \(46 credits\)](#) ( [Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Natural Resource Sciences)

: [Doctor of Philosophy \(Ph.D.\) Microbiology: Environment](#) ( [Agricultural & Environmental Sciences](#))

### 11.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > : [Application Procedures](#) for detailed application procedures.

#### 11.1.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- option application form
- signed option supervisory form (a supervisor or co-supervisor must be MSE-affiliated. Please visit the following website for listing: [www.mcgill.ca/mse/envroption#FACULTY](http://www.mcgill.ca/mse/envroption#FACULTY)).

### 11.1.3.3 Application Dates and Deadlines

The application deadlines to the graduate Environment option may vary depending on the department you are applying to. For more information, please contact the [Graduate Program Coordinator](#) in the department you are interested in.

## 11.1.4 Environment Faculty

### Director

Sylvie de Blois; B.Sc.(McG.), M.Sc., Ph.D.(Montr.)

### Professors

Peter G. Brown; B.A.(Haver.), M.A., Ph.D.(Col.) (*joint appt. with Geography and Natural Resource Sciences*)

Colin Chapman; B.Sc., M.A., Ph.D.(Alta.) (*joint appt. with Anthropology*)

Anthony Ricciardi; B.Sc.(Agr.), M.Sc., Ph.D.(McG.) (*joint appt. with Redpath Museum*)

### Associate Professors

Madhav Badami; B.Tech., M.S.(IIT), M.E.Des.(Calg.), Ph.D.(Br. Col.) (*joint appt. with School of Urban Planning*)

Christopher Barrington-Leigh; S.M.(MIT), Ph.D.(Stan.), Ph.D.(Br. Col.) (*joint appt. with Institute for Health and Social Policy*)

Elena Bennett; B.A.(Oberlin), M.Sc., Ph.D.(Wisc.) (*joint appt. with Natural Resource Sciences*)

Jeffrey Cardille; B.Sc.(Carn. Mell), M.Sc.(Georgia Tech.), M.Sc., Ph.D.(Wisc.) (*joint appt. with Natural Resource Sciences*)

Sylvie de Blois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Montr.) (*joint appt. with Plant Science*)

Jaye Ellis; B.A.(Calg.), LL.B., B.C.L.(McG.), LL.M.(Br. Col.) (*joint appt. with Law*)

Frédéric Fabry; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Atmospheric and Oceanic Sciences*)

Iwao Hirose; B.A., M.A.(Waseda), Ph.D.(St. And.) (*joint appt. with Philosophy*)

Nicolas Kosoy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Kent), M.Sc., Ph.D.(Univ. Autonoma de Barcelona) (*joint appt. with Natural Resource Sciences*)

Brian Leung; B.Sc.(Br. Col.), Ph.D.(Car.) (*joint appt. with Biology*)

Gregory Mikkelson; B.A.(Trinity), M.S., Ph.D.(Chic.) (*joint appt. with Philosophy*)

Raja Sengupta; B.Sc.(Bom.), M.Sc.(IIT), Ph.D.(S. Illinois) (*joint appt. with Geography*)

Renée Sieber; B.Sc.(Mich. St.), M.P.A.(W. Mich.), Ph.D.(Rutg.) (*joint appt. with Geography*)

Ismael Vaccaro; B.A.(Barcelona), D.E.A.(Paris), M.A., Ph.D.(Wash.) (*joint appt. with Anthropology*)

### Assistant Professor

Kevin Manaugh; B.A.(Naropa), M.U.P., Ph.D.(McG.) (*joint appt. with Geography*)

Hamish van der Ven; B.A., M.A.(Br. Col.), Ph.D.(Tor.) (*joint appt. with Political Science*)

### Faculty Lecturers

Julia Freeman; B.A.(S. Fraser), M.A.(McG.), Ph.D.(Br. Col.)

George McCourt; B.Sc., M.Sc.(Alta.), M.Sc.(McG.)

Kathryn Roulet; B.Sc.(Trent), M.Sc.(Guelph)

## Associate Members

*Anthropology:* John Galaty

*Architecture, School of:* Nik Luka

*Atmospheric and Oceanic Sciences:* Parisa Ariya

*Biology:* Lauren Chapman, Andrew Gonzalez, Irene Gregory-Eaves, Catherine Potvin

*Bioresource Engineering:* Jan Adamowski, Grant Clark, Mark Lefsrud, Chandra Madramootoo

*Chemical Engineering:* Nathalie Tufenkji, Viviane Yargeau

*Chemistry:* Christopher Barrett

*Civil Engineering and Applied Mechanics:* Susan Gaskin, Van-Thanh-Van Nguyen, Jim Nicell

*Earth and Planetary Sciences:* Jeanne Paquette

*Economics:* Chris Green, Tom Naylor

*Electrical and Computer Engineering:* Geza Joos

*Epidemiology, Biostatistics, and Occupational Health:* Jonathan Chevrier, Mark Goldberg

*Geography:* Gail Chmura, Oliver Coomes, Graham MacDonald, Thom Meredith, Tim Moore, Wayne H. Pollard, Brian Robinson, Nancy Ross, Nigel Roulet

*History and Classical Studies:* Daviken Studnicki-Gizbert