

**JUANITA DUARTE**

j.duarte@utoronto.ca

**Temporary address** (*until 30 August 2010*)

Knox College  
Box 39  
59 St. George Street  
Toronto ON M5S 2E6 CANADA  
416-921-5478

**Permanent address**

Box 411  
Slave Lake AB T0G 2A0 CANADA  
780-421-9875 or 780-734-6792

**EDUCATION**

2007–present

**PhD**, European History, University of Toronto

Thesis: *French Military Policy During the Algerian War of Independence, 1952–62*

Supervisor: Dr. Michael Faust

2006–07

**Master of Arts**, European History, University of Toronto

Thesis: *British Foreign Policy During the Inter-War Period*

Supervisor: Dr. Edward Chelin

2002–2006

**Bachelor of Arts with First Class Honours**, History, University of Alberta

**HONOURS**

2008

Ontario Graduate Scholarship

2007

University of Toronto Open Fellowship

**TEACHING AND RESEARCH INTERESTS**

- Modern European Military History
- The History of Modern Britain
- The British Military Experience

**TEACHING EXPERIENCE**

- 2007–09      **Teaching Assistant**, University of Toronto  
Course title: International Relations of Europe in the 20<sup>th</sup> Century (HIS225)
- Organized tutorial discussions on topics in European international relations history
  - Explained difficult concepts in European history clearly and concisely
  - Provided guidance to undergraduate students researching term papers
  - Counseled students experiencing difficulties in the course
  - Graded term papers, final examinations, and student tutorial participation

**RESEARCH EXPERIENCE**

- 2007–present      **Doctoral Candidate**, University of Toronto
- Examine the French settler society in Algeria during the Algerian War of Independence, 1954–62
  - Synthesized some of the latest research on the causes of civil warfare and strife in Africa
  - Completed a project analyzing British foreign policy during the inter-war period
  - Gained familiarity with the 1994 Defence White Paper and recent literature concerning Canadian defence policy
- 2006–07      **Graduate Student**, Department of History, University of Toronto
- Master's project examined Anglo-American defence relations after World War One
  - Researched and wrote a term paper analyzing Italian military policy during the Spanish Civil War, 1936–39

**ACADEMIC AND ADMINISTRATIVE EXPERIENCE**

- 2008–09      **Treasurer**, Graduate Students' Committee of the Canadian Historical Association
- 2008–09      **Chair**, Scholarship Database Committee of the Graduate History Society, University of Toronto
- 2007–08      **Organizer**, French conversation club for graduate history students
- 2007–08      **Social Convenor**, Knox College Association

**PUBLICATIONS**

Duarte, Juanita. "British Armoured Warfare Doctrine During the Inter-War Period." *British Historical Review* 145, no. 5 (2008): 22–39.

**CONFERENCES ATTENDED**

2009 British History Association Annual Conference, London, England  
2008 Canadian Military History Biannual Conference, Vancouver, B.C.

**MEMBERSHIPS**

2008–present **Member**, American Historical Association  
2007–present **Member**, Canadian History Society

**LANGUAGES**

Reading knowledge of French, improving writing and speaking abilities

**REFERENCES**

- Dr. Michael Faust, Department of History, University of Toronto (thesis supervisor). E-mail: m.faust@utoronto.ca
- Professor Elinor Ritchie, Department of History, University of Toronto (teaching supervisor). E-mail: e.ritchie@utoronto.ca
- Professor Ron Silverberg, Department of History, University of Toronto (external examiner). E-mail: rasilverberg@utoronto.ca

**Beverly Gilmore**

bgilmore@oise.utoronto.ca

Theory and Policy Studies in Education  
OISE/UT  
252 Bloor Street West  
Toronto ON M5S 1V6 CANADA  
416-923-6641 ext. 4211

3-650 Runnymede Road  
Toronto ON M7A 1T1 CANADA  
416-891-9912

**EDUCATION**

Expected defence PhD candidate (ABD), Ontario Institute for Studies in Education,  
in spring 2010      University of Toronto  
Thesis title: Under the Microscope: Difference in Medical Laboratory  
Science in Canada  
Supervisor: Dr. Elizabeth Strom

2004      **Master of Education, Higher Education: Health Professional  
Education**  
Ontario Institute for Studies in Education, University of Toronto

2002      **Bachelor of Education, Adult Education**  
Brock University

1981      **Bachelor of Science, Chemistry and Biochemistry**  
University of Toronto

**RESEARCH EXPERIENCE**

Jan. 2009      **Research consultant**, Ontario Society for Medical Laboratory  
to present      Science  
• Conducted research in human resources and education  
• Advocated and consulted on emerging issues

- Jan.–Apr. 2008      **Research assistant**, Ontario Institute for Studies in Education, University of Toronto
- Participated in congress planning for the annual conference of the Canadian Society for the Study of Higher Education, 26–28 May 2005, Toronto; designed the program document and schedule; organized special events and chaired sessions
- June 2005            **Research assistant**, Ontario Institute for Studies in Education, University of Toronto
- Project leader: Nadia Petrovic (*Director, Institute for Women’s Studies and Gender Studies, University of Toronto, and Professor, Sociology and Equity Studies in Education, OISE/UT*)
- Conducted a critical review of literature and created an annotated bibliography using a bibliographic database for a research proposal on work and learning.
  - Contributed to the proposal for the SSHRC study of David Livingstone, Director of the Centre for the Study of Education and Work, “The Changing Nature of Work and Lifelong Learning in the New Economy”

#### TEACHING EXPERIENCE

- Jan. 2004–  
Apr. 2005            **Instructor**, Humber College Institute of Technology and Advanced Learning, Toronto, Ontario
- Planned and facilitated introductory courses and workshops on the foundations of adult education for college instructors
- Sept. 2003–  
Apr. 2004            **Instructor**, The Michener Institute for Applied Health Sciences, Toronto
- Designed and delivered educational sessions in large- and small-group formats; planned and implemented hands-on laboratory experiences and clinical simulations; designed evaluation tools for both theoretical and hands-on program elements.

#### PROFESSIONAL EXPERIENCE

- Apr. 2005  
to present            **Chair**, Scientific Advisory Panel, *National Journal of Medical Laboratory Science*
- Edited the scientific section of a bimonthly professional journal
  - Coached a new author

- Jan. 2001–  
Apr. 2006
- Medical laboratory technology positions**
- Five years as a full- and part-time technologist in private and hospital laboratories in Toronto and Kingston, Ontario

#### **PUBLICATIONS, PEER REVIEWED**

Gilmore, B. (in press). Professional ideology and educational practice: Learning to be a health professional. In M. Suzin and S. H. Tran (Eds.), *Teaching as activism: Equity meets environmentalism*. Kingston: McGill-Queen's University Press.

Gilmore, B. (2009). More than meets the eye: CSMLS members' support for degree entry. *National Journal of Medical Laboratory Science*, 65(3), 98–111.

#### **PUBLICATIONS, NON-PEER REVIEWED**

Gilmore, B. (2009). A path towards the future: An update on the Entry Level Steering Committee. *National Journal of Medical Laboratory Science*, 65(4), 135.

Gilmore, B. (2009). What's sex got to do with it? Gender-based research and the Canadian medical laboratory profession. *National Journal of Medical Laboratory Science*, 65(4), 137–140.

Gilmore, B. (2008). Degree entry Q & A: The Entry Level Steering Committee. *National Journal of Medical Laboratory Science*, 64(4), 145–148.

Gilmore, B. (2007). Hemolysis and elevated serum potassium and Methylenediosymethamphetamine (MDMA). Hot Links from MEDLAB-L. *National Journal of Medical Laboratory Science*, 36(1), 26–28.

Gilmore, B. (2006). Editorial: Challenging our boundaries: Poster abstracts from the 24th World Congress of Medical Technology. *National Journal of Medical Laboratory Science*, 62(5), 178.

Gilmore, B., Lang, F., Ali, J., McCann, P., Mauricio, C., Choi, L., et al. (2005). Time to change? Exploring the educational needs of future medical laboratory technologists. A discussion paper prepared by the Task Force to Re-examine the Entry Level to the Profession. *National Journal of Medical Laboratory Science*, 61(1), 8–10.

#### **PUBLICATIONS—REPORTS**

Gilmore, B. (2009). *Interim Report of the Entry Level Steering Committee examining entry-level criteria for medical laboratory technologists* (with the CSMLS Entry-Level Steering Committee). Hamilton: National Society for Medical Laboratory Science.

Gilmore, B. (2005). *An analysis of degree-completion programs in six program areas*. Report prepared for the Council of Ontario Universities. Toronto: COU.

#### **WORKS IN PROGRESS**

Thriving, or just surviving? Job satisfaction and medical laboratory technologists. For submission to the *National Journal of Medical Laboratory Science*.

Degrees of separation: How does a degree affect MLTs' professional experiences and beliefs? For submission to the *National Journal of Medical Laboratory Science*.

#### **PRESENTATIONS, PAPERS, AND POSTERS**

Gilmore, B. (2009, April). *The intersection of race, gender, and class inequities in a health profession: Implications for professional education and research*. Paper presented at the annual meeting of the American Educational Research Association, Chicago.

Gilmore, B. (2009, April). *Medical laboratory technology*. Presentation to the National Forum on Changing Entry-to-Practice Requirements in Allied Health Professions, Ottawa.

Gilmore, B. (2008, May). *"Race" counts: Exploring race and ethnicity in a health profession*. Paper presented at the annual conference of the Canadian Society for the Study of Higher Education, Toronto.

Gilmore, B. (2007, October). *The discourse of diagnosis: Mystification of medical tests*. Paper presented at the annual conference for the Society for Literature and Science, Buffalo.

Gilmore, B. (2006, June). *Medical laboratory technology: Addressing the challenge of professional change*. Poster presentation at the 24th World Congress of the International Association of Medical Laboratory Technologists, Vancouver.

#### PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

- |                         |   |
|-------------------------|---|
| June 2008<br>to present | <ul style="list-style-type: none"> <li>• <b>Member</b>, Mentor Development Group, Department of Theory and Policy Studies, OISE/UT</li> </ul>   |
| May 2006<br>to present  | <ul style="list-style-type: none"> <li>• <b>Chair</b>, Entry Level Steering Committee, Ontario Society for Medical Laboratory Science</li> <li>• <b>Member</b>, Canadian Society for the Study of Higher Education</li> <li>• <b>Member</b>, Ontario Society for Medical Laboratory Science</li> <li>• <b>Member</b>, Canadian Association of Medical Laboratory Educators</li> </ul> |
| 2008, 2004              | <ul style="list-style-type: none"> <li>• <b>Member</b>, Higher Education Group Admissions Committee, OISE/U of T</li> </ul>   |
| Jan. 2004–<br>Dec. 2006 | <ul style="list-style-type: none"> <li>• <b>Chair</b>, Council on Professional Development, Ontario Society for Medical Laboratory Science</li> </ul>   |

#### AWARDS

- |           |                              |
|-----------|------------------------------|
| June 2009 | OISE/UT Commendation Award   |
| June 2008 | Ontario Graduate Scholarship |

#### LANGUAGES

Fluent in English and French (spoken and written)



**TECHNICAL SKILLS** Information management, data analysis (SPSS and QSR N\*6), bibliographic database (EndNote), and communications software.

**REFERENCES**

Dr. Elizabeth Strom (thesis supervisor)  
Ontario Institute for Studies in Education, University of Toronto  
416-923-6651 ext. 4441      e.strom@oise.utoronto.ca

Prof. Nadia Petrovic, (thesis committee member)  
Institute for Women's Studies and Gender Studies, University of Toronto  
416-978-6212      nadia.petrovic@utoronto.ca

Prof. Mana Adler (teaching supervisor)  
Department of Theory and Policy Studies, OISE/UT  
416-923-6641 ext. 4112      madler@oise.utoronto.ca

## Leslie Winters

25 Yonge Street, Toronto ON Canada M5T 2X3  
416-233-0987 leslie.winters@utoronto.ca

---

### EDUCATION

- 2010           **M.Ed., Teaching and Learning**  
Ontario Institute for Studies in Education (OISE), University of Toronto,  
Toronto  
Thesis topic: Diversity in Learning in Francophone Settings  
Supervisor: Dr. James Strong
- 2006           **B.Ed., History and French**, McGill University, Montreal
- 2005           **B.Sc., Biology and French**, Queens University, Kingston

### RESEARCH EXPERIENCE

- 2009–2010    **Research Assistant**, Transitions Program  
Ontario Institute for Studies in Education, Toronto  
Supervisor: Dr. Edwin Topen
- Conducted ethical review development for research focusing on the challenges of transitioning from a French Immersion program to an English only educational setting
  - Conducted 250 interviews with students, collected and analyzed data
- 2008           **Research Assistant**, Language Competency Program  
Ontario Institute for Studies in Education, Toronto  
Supervisor: Dr. Pierre St. Jean
- Reviewed language competency tests for consistency in assessment measures with the French Competency Guidelines (2009) and revised tests according to findings
  - Conducted focus groups to assess tests' reliability and validity
- 2006–2007    **Research Assistant**, Language Planning Course Review  
McGill University, Montreal  
Supervisor: Dr. Francine Mouton
- Researched tools for creating online courses and prepared bibliography to be used in a new course taught to graduate students

## **PUBLICATIONS**

### **Chapters in Books**

- Manson, N. et L. Winters. *Le bilinguisme et le marché du travail*, Vieillex, S. et J. Robert (eds), Ottawa: La Petite Presse. 2010.

### **Papers in Refereed Conference Proceedings**

- Winters, L. (septembre 2009) « L'école en transition: perspectives de changements ». Actes du colloque ASAL-VSAX. Montreal.

### **Popular Articles**

- Winters, L. (2008). « Je ne parle pas anglais: un portrait de la francophonie canadienne » dans *Bonjour Canada*. Ottawa : Gouvernement du Canada. (co-auteur et chercheur).

## **INVITED PRESENTATIONS**

- Guest speaker, Education for Ontario's Francophones, Ministry of Training, Colleges and Universities of Ontario, Guelph, June 2010, 20 minutes.
- Guest lecturer, "Transition of francophone students" Seminar, McGill University, June 2009, 90 minutes.

## **TEACHING EXPERIENCE**

### **Post-secondary teaching experience**

2010

**Instructor**, University of Toronto – OISE, Toronto

- Taught a first year French language course
- Developed curriculum, instructed and assessed students

2010

**Instructor**, McGill University, Montreal

- Developed course curriculum, materials, and conducted student assessments for a third year French literature course

### **Additional teaching experience**

2007-2008

**Teacher**

École secondaire Notre-Dame, Conseil des écoles publiques de l'Ouest de l'Ontario, Cornwall

- Taught biology, drama, and English to grades 7 to 9.

2006-2007

**Teacher**

École Secondaire Saint-Baptiste, Ottawa Catholic District School Board, Ottawa

- Taught media studies, Spanish, and mathematics to grades 9 to 12.

## **SCHOLARLY AND PROFESSIONAL ACTIVITIES**

- 2009–2010      **Graduate student representative** for OISE/UT, Ministry of Education's Symposium on Educational Research, Toronto
- Member**, OISE/UT Equity and Diversity Steering Committee
- 2008-2009      **Co-chair**, organizing committee, Second Language Research Conference
- 2007              **Coordinator**, Toronto Colleges, French Conference events
- 2007              **Consultant**, Francophone Centre (Worked on curriculum writing, revision and development of science units for the Quebec curriculum)
- 2006              **Organizer**, French Language Symposium, McGill University

## **AWARDS, SCHOLARSHIPS AND FELLOWSHIPS**

- 2009              Scholarship, Foundation Baxter et Alma Ricard
- 2008              Frederic Hudd scholarship, Massey College
- 2008              Gordon Cressy Student Leadership Award, University of Toronto

## **LANGUAGE COMPETENCIES**

- Superior skills in French and English (oral and written)
- Intermediate skills in Spanish (oral and written)

## **MEMBERSHIPS**

- 2008–present      • CREFO member, OISE/UT
- 2006–present      • Ontario Secondary School Teacher's Federation

## **REFERENCES**

- Dr. James Stron (thesis supervisor)  
Ontario Institute for Studies in Education, University of Toronto  
416-926-4411 ext. 263      j.strong@oise.utoronto.ca
- Prof. Viole Labelle, (thesis committee member)  
Institute for Women's Studies and Gender Studies, University of Toronto  
416-946-5858      viole.labelle@utoronto.ca
- Prof. Ilya Muzik (teaching supervisor)  
Department of Theory and Policy Studies, OISE/UT  
416-926-4411 ext. 741      i.muzik@oise.utoronto.ca

**Monir El Halaby**

monir@comm.utoronto.ca

416-978-3321

www.comm.utoronto.ca/~monir

Department of Electrical and  
Computer Engineering  
University of Toronto  
10 King's College Road  
Toronto ON M5S 3G4 CANADA

1401-710 Spadina Avenue  
Toronto ON M5S 2T8 CANADA

**CITIZENSHIP**

Canadian

Optional

**EDUCATION**

2007–present

**Doctor of Philosophy** (expected June 2011)

Department of Electrical and Computer Engineering, University of Toronto

Thesis: *Spectrally efficient modem design for indoor wireless optical channels*

Supervisor: Professor Finn Ginsberry

2005–2007

**Master of Applied Science**

Department of Electrical and Computer Engineering, University of Toronto

Thesis: *Modulation and constrained coding techniques for wireless infrared communication channels*

Supervisors: Professors Dieter Kohlberg and Finn Ginsberry

2001–2005

**Bachelor of Applied Science** (first class honours)

Department of Electrical and Computer Engineering, University of Waterloo

- Sir Sandford Fleming Foundation Medal winner for Highest Academic Standing in Electrical Engineering Program

**RESEARCH EXPERIENCE**

2007–present

**Research Assistant**, Doctoral level

Department of Electrical and Computer Engineering, University of Toronto

Project: Modem design for spectrally constrained indoor wireless optical channels

Supervisor: Professor Finn Ginsberry

2005–2007

**Research Assistant**, Master's level

Department of Electrical and Computer Engineering, University of Toronto

Project: Experimental channel construction and characterization and design of a novel optical intensity modulation scheme

Supervisors: Professors Dieter Kohlberg and Finn Ginsberry

2004

**Research Assistant**, VTSL Research Group

Department of Electrical and Computer Engineering, University of Waterloo

Project: Designed and laid out a parallel multiplier library in a BiCMOS process

Project: Designed the digital switching portions of a segmented D-to-A converter

Supervisors: Dr. A. Chang and Professor M.I. Alhambra

2003

**Research Assistant**, Undergraduate Research Assistantship

Department of Electrical and Computer Engineering, University of Waterloo

Project: Research into high-voltage DC power system modelling

Supervisor: Professor B.A. Fuentes

**RESEARCH INTERESTS**

- Communication algorithms and implementations for wired and wireless optical channels
- Indoor and free-space wireless optical communications
- Optical modem design for wired and wireless optical channels
- Communications theory and information theory applied to optical channels

**SELECTED HONOURS AND AWARDS**

2009 University of Toronto Open Fellowship

2008 and 2009 Walter C. Summer Memorial Scholarship

2008 Ontario Graduate Scholarship in Science and Technology

2007–2010 NSERC Postgraduate Scholarship (doctoral level)

2005–2007 Postgraduate Scholarship (Master's level), University of Toronto Graduate Entrance Top-Up Award

## **PUBLICATIONS**

### **Publication in refereed journals**

- El Halaby, M., and Ginsberry, F. (2010, August). Optical intensity modulated direct detection channels: Signal space and lattice codes. Forthcoming in *IEEE Transactions on Information Theory*.

### **Paper submitted for publication in refereed journals**

- El Halaby, M., and Ginsberry, F. (2010, April). Capacity bounds for power- and band-limited optical intensity channels corrupted by gaussian noise. Submitted to *IEEE Transactions on Information Theory*.

### **Publications in refereed conference proceedings**

- El Halaby, M., and Ginsberry, F. (2009). Capacity bounds for power- and band-limited wireless infrared channels corrupted by gaussian noise. In *Proceedings of the 41st Annual Allerton Conference on Communication., Control and Computing* (149–155). Monticello, IL: McGill-Queen's University Press.
- El Halaby, M., and Ginsberry, F. (2009). Signal constellation design for optical intensity modulated channels. In *Proceedings of the IEEE International Symposium on Information Theory* (p. 235, abstract only). Washington D.C.
- El Halaby, M., and Ginsberry, F. (2008). A signal space model for intensity modulated channels. In *Proceedings of the 21st Biennial Symposium on Communication* (136–140). Kingston, ON.

## **TEACHING EXPERIENCE AT THE UNIVERSITY OF TORONTO**

Fall 2009 and Winter 2010

### **Discrete Mathematics ECE 190**

Teaching assistant: Prepared and conducted weekly tutorials for classes of 50 students as well as marking duties.

Winter 2009

### **Probability and Applications ECE 302**

Teaching assistant: Marked assignments for a class of 400 students.

Fall 2008

**Electronics II ECE 362**

Head teaching assistant responsible for laboratory project. Supervised laboratory sessions, prepared and conducted weekly tutorials for a class of 70 students as well as marking portions of the mid-term exam.

Winter 2008

**Probability and Applications ECE 302**

Teaching assistant: Prepared and conducted weekly tutorials for a class of 90 students as well as marking duties.

Fall 2007

**Electronics 1 ECE 361**

Head teaching assistant for tutorial scheduling and administration for a class of approximately 300. Prepared and conducted a number of tutorial sessions as well.

Winter 2006

**Electronics 1 ECE 360**

Teaching assistant: Laboratory supervision and practical instruction for a class of 90. Developed a test scheme to grade performance of final circuit project.

**PROFESSIONAL EXPERIENCE**

May–August 2004

**RF Engineer** (co-op), Teklogix Inc., Oakville, Ontario.

Developed the digital signal-processing portion of a novel high-baud rate, narrow-band radio modem (technical publication).

September–December 2003

**Research Assistant** (co-op), VTSL Group, University of Waterloo, Waterloo, Ontario.

Designed and implemented a variety of full-custom, low-power digital CMOS circuits for wireless communications.

January–April 2002

**Integrated Boards R&D** (co-op), Nortel Semiconductor Components Group, Nepean, Ontario.

The results of research improved reliability and matching of MOS devices and resistor structures in an existing BiCMOS process.



**ACADEMIC COMMUNITY INVOLVEMENT**

- **Technical Reviewer**, Institute of Electrical and Electronic Engineers Inc. 2009-2010
  - *IEEE Journal of Solid-State Circuits*
  - IEEE International Symposium on Circuits and Systems
  - IEEE Proceedings: Optoelectronics
- **Conference Volunteer**, International Electrical Engineer Conference, 2008 and 2009.
- **Conference Assistant**, Seventh Circuits Conference, San Francisco, 2008 and 2009  
Assisted in the publication of the visuals supplement and in visuals projection.

**MEMBERSHIPS**

- **Student Member**, Professional Engineers Ontario (PEO), 2008-present
- **Applicant** for professional engineering licensure having written and passed the Professional Practice Exam (PPE). Engineering experience requirement of twenty-four months still outstanding for licensing, 2007-present
- **Co-chair**, IEEE Communications Society Toronto Section, 2006-present

**REFERENCES**

All referees are with The Edward S. Rogers Sr. Department of Electrical and Computer Engineering, University of Toronto, 10 King's College Road, Toronto ON M5S 3G4 CANADA.

- Prof. Finn Ginsberry  
Tel.: 416-978-2552    E-mail: finn@comm.utoronto.ca  
Relationship: PhD thesis supervisor, M.A. Sc. co-supervisor
- Prof. Dieter Kohlberg  
Tel.: 416-978-5555    E-mail: kohlberg@eecg.utoronto.ca  
Relationship: MA Sc thesis supervisor, teaching reference
- Prof. Pas S. Rajagopal  
Tel.: 416-978-1511    E-mail: raj@comm.utoronto.ca  
Relationship: PhD thesis committee member
- Prof. Leo Stanislaw  
Tel.: 416-978-6966    E-mail: stanis@ctl.utoronto.ca  
Relationship: teaching reference

**Sandeep Mehta**

s.mehta@utoronto.ca

Department of Immunology  
University of Toronto  
Medical Sciences Building  
1 King's College Circle, room 5273  
Toronto ON M5S 1A8  
416-978-8360

208 King Street  
Oakville ON L6J 1B5 CANADA  
905-921-5478

**EDUCATION**

2004–2010

**PhD Immunology**

Department of Immunology, University of Toronto, Toronto, Ontario

Thesis: *Recombinant anti-class II MHC antibodies containing conformationally constrained, immunogenic HIV-1 B cell epitopes*

Supervisor: Dr. F.W. Modeato

2000–2004

**Honours Bachelor of Science, Biology**

McMaster University, Hamilton, Ontario

**HONOURS and AWARDS**

2009

Rick Miller Award for Leadership in Immunology

2006–07

Ontario Graduate Scholarship

2004–2008

Medical Research Council Fellowship

2004

National Science and Engineering Research Council Fellowship

**RESEARCH INTERESTS**

- Antibody structure/function. Regulation of antibody responses by synthetic epitopes. Antibody engineering. Monoclonal antibodies. Vaccine development.
- Recombinant antibodies containing an engineered B cell epitope capable of eliciting conformation = specific antibody responses.

**RESEARCH EXPERIENCE**

2004–10

**Graduate Student**, Department of Immunology, University of Toronto

- Completed doctoral research in the area of HIV vaccine development.

1/3

- Developed expertise in molecular biology, genetics, virology, and immunology.

2006–07

**Science Writer**, Cangen Research Institute, Toronto

- Worked with Dr. Pak Ling on an introductory immunology textbook for undergraduates and medical students.
- Wrote content for a variety of additional smaller texts.

2003–2004

**Undergraduate Research**, Department of Biology, University of Toronto

- Organized laboratory experiments for Dr. Chiu Yue
- Ran agarose gel electrophoresis
- Performed restriction digests and ligation reactions
- Transformed *E. coli*

**TEACHING INTERESTS**

- Graduate-level courses in virology and immunology
- Undergraduate-level molecular biology and genetics

**TEACHING EXPERIENCE**

2005–07

**Teaching Assistant**, University of Toronto

Introduction to Immunology under the supervision of Dr. Pak Ling

- Performed all regular duties of a T.A. for a class size of 75 including occasional lectures, office hours, and marking (course code: IMM334).

**REFEREED PUBLICATIONS**

Mehta, Sandeep, and Cutler, B. H. (2009). Recombinant anti-class II MHC antibodies containing conformationally constrained, immunogenic HIV-1 B cell epitopes. *AIDS and Human Retroviruses*, 13, 449–459.

Mehta, Sandeep, and Cutler, B. H. (2008). Recombinant antibodies containing an engineered B cell epitope capable of eliciting conformation = specific antibody responses. *Vaccine*, 13, 1770–1778.

**NON-REFEREED PUBLICATION**

Mehta, S. (2007, 29 June). Overload in the laboratory: How much science is too much science? *Global Review*, 33–47.

**ADMINISTRATIVE EXPERIENCE**

2007–2008

**Treasurer**, Graduate Students' Union, University of Toronto

- Developed and prepared budgets, and monitored expenditures to

- Served on a number of ad hoc committees, such as the Graduate Studies Policies Handbook Committee, to enhance the student experience at the University of Toronto.

2005–06

**Member**, Search Committee, Department of Immunology, University of Toronto

- Part of a committee that selected, interviewed, and hired an associate professor at the Department of Immunology.

#### **ADDITIONAL TRAINING**

2008

Facilitative Leadership course, Schulich School of Business

#### **REFERENCES**

- Prof. Andrea Booterskaya, Institute of Medical Sciences, University of Toronto, 416-938-3344 (thesis committee member)
- Dr. F. W. Modeato, University of Toronto, department of immunology, 416-936-3321 (thesis supervisor)
- Dr. Chiu Yue, Department of Biology, University of Toronto, 416-978-2121 (undergraduate supervisor)

