This CV was created by a PhD candidate focusing on a position where the largest component revolves around teaching. For example, this could be an Associate Professor position at a small, teaching intensive university in the United States or a Lecturer position at a large university in Canada.

# JUANITA DUARTE

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Temporary address (until 30 August 2010)

Knox College

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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

1/3

Juanita Duarte 2/3

#### **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
- · Counselled 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	<b>Treasurer,</b> Graduate Students' Committee of the Canadian Historical Association
2008–09	<b>Chair,</b> 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

Juanita Duarte 3/3

# **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–present2007–presentMember, American Historical AssociationMember, 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

This CV was created by a PhD candidate focusing on a position where the largest component revolves around research, and teaching responsibilities are secondary. For example, this could be a Tenure-track Professor position at a large, research intensive university in the United States or Canada, or a Postdoctoral position.

# **Beverly Gilmore**

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3-650 Runnymede Road Theory and Policy Studies in Education

OISE/UT

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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

1/6

Beverly Gilmore 2/6

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 smallgroup 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

Beverly Gilmore 3/6

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.

Beverly Gilmore 4/6

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.

Beverly Gilmore 5/6

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 to present	Member, Mentor Development Group, Department of Theory and Policy Studies, OISE/UT
May 2006 to present	<ul> <li>Chair, Entry Level Steering Committee, Ontario Society for Medical Laboratory Science</li> <li>Member, Canadian Society for the Study of Higher Education</li> <li>Member, Ontario Society for Medical Laboratory Science</li> <li>Member, Canadian Association of Medical Laboratory Educators</li> </ul>
2008, 2004	<ul> <li>Member, Higher Education Group Admissions Committee, OISE/U of T</li> </ul>
Jan. 2004– Dec. 2006	Chair, Council on Professional Development, Ontario Society for Medical Laboratory Science
AWARDS June 2009 June 2008	OISE/UT Commendation Award Ontario Graduate Scholarship
LANGUAGES	Fluent in English and French (spoken and written)

Beverly Gilmore 6/6

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

This CV was created by a Master level candidate focusing on a position where the largest component of the work revolves around research. For example, this could be a researcher position at a research facility or a university.

# **Leslie Winters**

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**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 recherchiste).

# **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** 

Scholarship, Foundation Baxter et Alma Ricard
 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

This CV was created by a PhD candidate focusing on a position where the largest component revolves around research, and teaching responsibilities are secondary. For example, this could be a Tenure-track Professor position at a large, research intensive university in the United States or Canada, or a Postdoctoral position.

# **Monir El Halaby**

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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



#### **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

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Monir El Halaby 2/5

# **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 Fellowship2008 and 2009 Walter C. Summer Memorial Scholarship

2008 Ontario Graduate Scholarship in Science and Technology

2007–2010 NSERC Postgraduate Scholarship (doctoral level)

Monir El Halaby 3/5

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 bandlimited 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.

Monir El Halaby 4/5

#### 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.

Monir El Halaby 5/5

# **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

This CV was created by a PhD candidate focusing on a position where the largest component revolves around research, and teaching responsibilities are secondary. For example, this could be a Tenure-track Professor position at a large, research intensive university in the United States or Canada, or a Postdoctoral position.

# Sandeep Mehta

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University of Toronto
Medical Sciences Building
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Toronto ON M5S 1A8

208 King Street

Oakville ON L6J 1B5 CANADA

905-921-5478

# **EDUCATION**

416-978-8360

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.

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 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)

This CV was created by a Master level candidate focusing on a position where the largest component revolves around teaching. For example, this a Tenure-track Lecturer position at a large university in Canada.

# JAIME SIMONELL

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PHONE 416-321-6789 • FAX 416-656-4567 • E-MAIL J.Simonell@utoronto.ca

#### **EDUCATION**

- Master of Applied Science, University of Toronto, Human Factors Engineering 2010
   Dissertation: Cognitive Models and Environmental Interface Designs
   Supervisor: Dr. Carine Mendelsson
- Bachelor of Science, University of Waterloo, Computer Science

2006

#### **TEACHING INTERESTS**

Cognitive Work Analysis, Dynamic Systems Theory, Learning and Mental Models, Human-Computer Interaction, Energy Policies

# **TEACHING EXPERIENCE**

#### Course Instructor

Designing Interfaces, York University, Winter 2010

Interactive Computational Design, University of Toronto, Summer 2010

- Designed curriculum, chose text and prepared course materials for classes ranging from 30 to 120 students
- Created assignments and exams and graded work
- Held office hours and provided weekly online support for classes

# **Teaching Assistant**

Digital Analysis, University of Toronto, Fall 2009

Introduction to Human Systems, University of Toronto, Summer 2009

Introduction to Information Technology, University of Toronto, Winter 2009

- Graded assignments and exams
- Held tutorials for up to 30 students including creating supporting materials for lectures
- · Managed online discussion forum for student queries

#### PROFESSIONAL DEVELOPMENT - INSTRUCTOR TRAINING

- · University of Toronto, MIE 3002: Engineering Teaching and Learning Course, 2009
- University of Toronto, Teaching Assistants' Training Program, 2009
- University of Waterloo, Certificate in University Teaching, 2008

#### RESEARCH EXPERIENCE

#### **Research Assistant**

Department of Industrial Engineering, University of Toronto, 2008-2010

- Conducted research in the area of Cognitive Models and Noise Interface Design under the supervision of Dr. C. M.Simon.
- · Assessed designs for ecological compatibility with operators

#### Research Assistant

Department of Computer Science, University of Waterloo, 2006-2008

- Conducted research in the area of Visual Perception and Interface Design under the supervision of Dr. V.J. Malcom.
- Provided potential designs for review within limited time frames

#### **Research Assistant**

Department of Mathematics, University of Waterloo, Summer 2006

- Conducted research on Mathematical models to assess risks under the supervision of Dr. F.
   M. Kunthalini
- · Utilized mathematical models to find the intersection of minimal risks

# **PROFESSIONAL EXPERIENCE**

Human Factors Engineer, Canada Energy Inc, 2010-present

- Review designs for equipment for nuclear power plants and provide input on human factors designs' sustainability
- · Conduct research project for sensory input and operator's performance within a team of four

# **PUBLICATIONS**

# Refereed conference papers

- Simonell, J. (2009). "Noise Impact on Ecological Design." *Proceedings of the Human Factors and Ergonomics Society 30th Annual Meeting*, pp. 211–290. Los Angeles, CA: USA.
- Simonell, J., Tippits, S., & Donald, A. (2009). "Human Factors Project." *Proceedings of the 20th Annual Conference of the American Nuclear Society.* Los Angeles, CA: USA.

# Non-refereed papers and poster presentations

- The SDK Inventory: A tool for capturing Worker Competencies. 40th Annual Meeting of the Human Factors and Ergonomics Society. September 16–20, 2009. Los Angeles, CA: USA.
- Interface Design. Human Factors Seminar Series. January 1, 2009. Energy Canada, Brampton, Ontario: Canada.

# **Presentations**

User friendly designs. SEEE-ABD 2008 – Professional Workshops, June 3, 2008. Toronto Hilton Hotel, Toronto, Canada (Assisted with professional workshop at SEEE-ABD 2008 with Dr. Frank A. MacAlistair)

#### ACADEMIC COMMUNITY INVOLVEMENT

# Conferences organization and committee work

- Vice-president, Volunteer committee and speaker's bureau of the Ergonomics Society, 2009-2010
- Chair, Cognition and Work Displays session: Engineering and Technical Group, Human Factors and Ergonomics Society 49th Annual Meeting, 2008
- Conference Organizer, 5th Annual Inter-University Session on Human Factors Engineering, University of Toronto, Toronto, Canada, 2008
- Student Chapter President for the Computer Science Union, Department of Computer Science, University of Waterloo, 2005-2006
- Chair, Waterloo Computer-Human Interaction student chapter—Association for Computing Machinery, University of Waterloo, 2004-2005

# Editorial and reviewer experience

- Reviewer, Omega: The International Journal of Management Science, Fall 2008
- Reviewer, Conference papers for the Human Factors and Ergonomics Society 49th Annual Meeting, Cognitive Engineering and Decision-Making Technical Group, 2008

#### **AWARDS**

- NSERC Postgraduate Scholarship B (PGS-B and PGS-A) Research Award, 2009
- Glyim Williams Scholarship (for academic achievement). Department of Mechanical & Industrial Engineering, University of Toronto, 2008–2009
- Mary H. Beatty Fellowship: Entrance scholarship. School of Graduate Studies, University of Toronto, 2008
- Graduating Class Academic Award (top 10%), University of Waterloo, 2006

# PROFESSIONAL MEMBERSHIPS

- · Association of Canadian Ergonomics, 2008-present
- Human Factors and Ergonomics Society, 2008–present
- · Institute of Electrical and Electronics Engineers, 2006-present
- Association for Computing Machinery, 2004–2006

#### **LANGUAGES**

- Fluently bilingual in English and French
- Certificate of bilingualism French and English, University of Waterloo, June 2006