CURRICULUM VITAE

# Martin Crozier, MSc, MA, PhD

**Personal Information**

Full Name: Martin Vance Crozier

Address (Work):

1) University of Windsor, Biology Building Rm. 116,

401 Sunset Ave. Windsor ON, N9B3P4

2) Wayne State University, Biology Building Rm. 4109

5047 Gullen Mall, Detroit MI, 48202

Telephone: Office:

* UW: (519) 253-3000 x 2735/6480;
* WSU: (313) 577-3524
* Home: (519) 969-3543

Email:

* UW: [mcrozier@uwindsor.ca](mailto:mcrozier@uwindsor.ca)
* WSU: [am0246@wayne.edu](mailto:am0246@wayne.edu)

Citizenship: Canadian; Passport # HB211902

**Education**

2009-2014 Ph.D., University of Windsor, Windsor, ON, Dept. Biological Sciences

*Thesis: The pleiotropic effects of dexamethasone on breast cancer cell behaviour.*

Advisor: Dr. Lisa Porter

2007-2008 M.A. in Philosophy; University of Windsor, ON, Dept. Philosophy

2002-2004 M.Sc in Molecular Biotechnology; Wayne State University, Detroit, MI, Dept. Biological Sciences.

Advisor: Dr. Philip Cunningham

1997-2001 B.Sc., University of Prince Edward Island, Charlottetown, PEI, Dept. Biology

**Positions**

2020 – pres. Assistant Professor

Department of Biomedical Sciences, University of Windsor, ON

2020 – pres. Senior Lecture

Department of Biological Science, Wayne State University, Detroit, MI

2016 – pres. Lecturer

Department of Biological Science, Wayne State University, Detroit, MI

2008 – pres. Sessional Instructor

Department of Biological Sciences, University of Windsor, Ontario

2004-pres. Adjunct Faculty

Department of Biological Sciences, Wayne State University, Detroit, MI

2009 – 2014 Graduate Assistant

Department of Biological Sciences, University of Windsor, Ontario

2007 – 2008 Graduate Assistant

Department of Philosophy, University of Windsor, Ontario

2002 – 2004 Graduate Teaching Assistant

Department of Biological Sciences, Wayne State University, Detroit, MI

**Awards (Student and Teaching)**

Fall, 2016 Faculty of Science Teaching Score Award—Sessional Instructors: *This award is given to the Sessional member in each AAU that has taught a total of at least 100 students over Summer 2015, Fall 2015, and Winter 2016 and has achieved the highest weighted average on the questions A1-A12*

Spring, 2014 Gloria and Carl Morgan Scholarship in Breast Cancer Research ($1000)

Spring, 2014 Elena Loaring Memorial Scholarships ($2500)

Winter, 2013 Graduate Studies Scholarship ($500)

Spring, 2013 2012-13 Casino Windsor Cares/Gail Rosenbaum Memorial Breast Cancer Research Scholarship ($5000)

Winter, 2012 Graduate Studies Scholarship ($500)

Spring, 2012 2011-12 Casino Windsor Cares/Gail Rosenbaum Memorial Breast Cancer Research Scholarship ($5000)

Spring, 2012 Carl & Gloria Morgan Scholarship in Breast Cancer Research ($1,000)

Spring, 2012 Elena Loaring Memorial Scholarship in Breast Cancer Research ($1,000)

Fall, 2011 Faculty of Science Teaching Score Award—Sessional Instructors: *This award is given to the Sessional member in each AAU that has taught a total of at least 100 students over Summer 2010, Fall 2010, and Winter 2011 and has achieved the highest weighted average on the questions A1-A12*

Spring, 2011 Michael L. Petras Memorial Scholarship ($1000)

Spring, 2011 2010-11 Verdecchia Family (Breast Cancer) Award ($1000)

Spring, 2011 2010-11 Casino Windsor Cares/Gail Rosenbaum Memorial Breast Cancer Research Scholarship ($5000)

Fall, 2010 Graduate Studies Scholarship ($500)

Spring, 2010 *Breast Cancer Society of Canada* - $10,000 - **Equipment grant** – Cell Counter to facilitate the advancement of breast cancer related projects. Role on grant: Co-applicant   (PI - Dr. L.A. Porter).

Spring, 2010 2009-10 Casino Windsor Cares/Gail Rosenbaum Memorial Breast Cancer Research Scholarship ($5000)

Fall, 2009 Faculty of Science Teaching Score Award—Sessional Instructors: *This award is given to the Sessional member in each AAU that has taught a total of at least 100 students over Summer 2008, Fall 2008, and Winter 2009 and has achieved the highest weighted average on the questions A1-A12*

**Publications**

***Peer-Reviewed Publications***

M Crozier and **LA Porter** (2015) *Breast Cancer Research and Treatment* Volume 153, No. 3 October, 2015. [ISSN 0167-6806DOI 10.1007/s10549-015-3588-8]. *Paclitaxel-induced transcriptional regulation of Fas signaling pathway is antagonized by Dexamethasone*.

I Rezaeian, Y Li, M Crozier, E Andrechek, A Ngom, L Rueda, **LA Porter**. (2013) *Identifying Informative Genes for Prediction of Breast Cancer Subtypes*. 8th IAPR International Conference on Pattern Recognition in Bioinformatics (PRIB 2013), Nice, France, Volume 7986, 2013, pp 138-148

***Textbooks***

Crozier, M.V. and McNorton S., (2015) *Life Matters* (Enhanced Instructors Manual; 1st Edition), Toronto, Ontario, Canada. Nelson Publishing.

***Manuscripts in Preparation***

M Crozier, J Ritchie and **LA Porter**. (in prep for *Molecular Cancer*) Dexamethasone induces Invasion and Migration of Breast Cancer Cells.

Crozier M, C Hamm and **LA Porter** (in preparation for submission to *Breast Cancer Res.*) *Cortisol Signaling in Breast Cell Proliferation and Migration; Novel Implications in the Treatment of Breast Cancer.*  ISI Impact (2014) – 5.87

Crozier M, Porter L. (in preparation). *Pleiotropic effects of dexamethasone on breast cancer cell behavior*. (2016)

Antonio Pascual-Leone, Fuschia Sirois, Samantha Metler, Martin Crozier, Lisa Porter, & Terence Singh (in preparation). *Productive Emotion in Expressive Writing: An Experimental Manipulation of EFT Change Processes.* (2014)

**Conference Proceedings**

M Crozier and Lisa Porter CSH. *Paclitaxel increases activity of NFκB, induces FasL gene expression and is inhibited by Dexamethasone.* Cold Spring Harbour, NY

I Rezaeian\*, Y Li, M Crozier, E Andrechek, A Ngom, L Rueda, LA Porter. (2013) Identifying Informative Genes for Prediction of Breast Cancer Subtypes. 8th IAPR International Conference on Pattern Recognition in Bioinformatics (PRIB 2013), Nice, France, Volume 7986, 2013, pp 138-148 CBCRA funded.

M. Crozier\* and LA Porter (2012) Anti-emetic Drugs in Chemotherapy. Cold Spring Harbor. Mechanisms and Models of Disease. NY, USA

Ritchie J, M Crozier and **LA Porter**. *Cortisol Signaling in Breast Cell Proliferation and Migration; Novel Implications in the Treatment of Breast Cancer.* Joint Scientific Retreat Breast Cancer Biology and Proteases and Cancer Programs. December, 2010, WSU

**Public Translation**

Steroid's impact on cancer treatment's effectiveness studied by PhD Student:

* [Uwindsor Daily News Article](http://www.uwindsor.ca/dailynews/2012-08-14/steroids-impact-on-cancer-treatments-effectiveness-studied-by-phd-student)

University of Windsor work may lead to better chemotherapy

* [http://metronews.ca/news](http://metronews.ca/news/windsor/351218/university-of-windsor-research-may-lead-to-more-effective-chemotherapy/) <http://metronews.ca/author/sarahtaguiam/>

Scholarship donors recognized for generosity

* [http://web4.uwindsor.ca/units/pac/nvdailynews](http://web4.uwindsor.ca/units/pac/nvdailynews/nvdn.nsf/fulltoday/109A11A78F0E13DE852578C300268992)

Miscellaneous:

* <http://www.uwindsor.ca/tags/martin-crozier>; <http://www.windsorstar.com/Windsor+Pictures/6720430/story.html>

**Courses Taught (Lecturer)**

2020 – pres. Introduction to Molecular Biology (BIOL2131), University of Windsor

2018 – pres. Organisms and the Environment (55-101/BIOL1013), University of Windsor

2017 – pres. Human Anatomy (55-202), University of Windsor

2017 – pres. Introduction to Cell Biology (Bio 2600), Wayne State University

2016 – pres. Human Anatomy and Physiology (Bio 2870), Wayne State University

2015 – pres. Plant Molecular Biology (55-464), University of Windsor

2015 – pres. Molecular Biology of the Cell (55-350), University of Windsor

2014 – pres. Biology of Organisms (55-100), University of Windsor

2008 – pres. Human Physiology I (55-204/BIOL2040), University of Windsor

2005 – pres. An Introduction to Life (Bio 1050), Wayne State University (In-class and online)

2004 – pres. Basic Life Mechanisms (Bio 1510), Wayne State University

2004 – pres. Basic Life Diversity (Bio 1500), Wayne Sate University

2004 Biology Today (Bio 1030), Wayne State University

2004 – 2008 General Biology (BIOL 1000), Macomb Community College

2004 – 2008 Fundamentals of Nutrition (BIOL 1400), Macomb Community College

**Courses Taught (Graduate Teaching Assistant—Biology)**

2013 – 2014 Genetics laboratory preparation (55-211), University of Windsor

2010 – 2014 Biology of Organisms tutorial (55-100), University of Windsor

2010 – 2014 Introduction to Molecular Biology laboratory (55-213), University of Windsor

2002 – 2004 Basic Life Diversity laboratory (Bio 1500), Wayne Sate University

2002 – 2004 Basic Life Mechanisms laboratory (Bio 1510), Wayne State University

**Courses Taught (Graduate Assistant—Philosophy)**

2007 – 2008 Law, Punishment and Morality (34-226), University of Windsor

2007 – 2008 Introduction to Ethics (34-221), University of Windsor

2007 – 2008 Philosophy of Science (34-357), University of Windsor

**Funding Support (Grant application)**

* Breast Cancer Society of Canada - $10,000 - Equipment grant – Cell Counter to facilitate the advancement of breast cancer related projects.

**Pedagogical Training (OTL, CTL, Seminars, Conferences**

* Office for Teaching and Learning (WSU): *Evidence-Based Teaching Methods*, facilitated by *Dr. Andrew Feig*—Jan., 2017
* Office for Teaching and Learning (WSU): *Creating Course Videos*, facilitated by *Krystal Tosch*—Jan., 2017
* *Learning Science Symposium for Human Anatomy and* *Physiology* (15 hours); Austin, Texas—Feb., 2017