

CURRICULUM VITAE

GREGORY MITCHELL KELLY

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Born: October 23, 1961; Winnipeg, Manitoba, Canada.

University Education:

<u>Degree</u>	<u>University</u>	<u>Department</u>	<u>Year</u>
Ph.D.	Manitoba	Zoology	1989
B.Sc. (Honors)	Manitoba	Zoology	1983

Academic and Professional Appointments:

- 2013-present: -Editorial Board, *Trends in Cell and Molecular Biology*.
- 2012-2014: -International Expert Member, National Medical Research Council, Singapore.
- 2012-2013: -External Reviewer, Biological Sciences, Simon Fraser University.
- 2012- present: -Editorial Board, *PLOS ONE*.
- Ontario Research Fund, Large Infrastructure Fund Committee.
- 2010-2012: -Member, Ontario Graduate Scholarship Selection Panel.
- 2010: -Visiting Professor, Department of Comparative Anatomy, University Warmia and Mazury, Poland.
- 2007-2008: -Grant Selection Committee 32, Natural Sciences & Engineering Research Council.
- 2006: -Professor, Dept. of Biology, Univ. of Western Ontario.
- 2006-2010: -Professor, Associated Graduate Faculty, Dept. Integrative Biology, Univ. of Guelph.
- 2005-2007: -Chair, Grant Selection Committee 32, Natural Sciences & Engineering Research Council.
- 2004-2007: -Grant Selection Committee 32, Natural Sciences & Engineering Research Council.
- 2004: -Visiting Professor, Dept. of Molecular Biology, Umeå Univ., Umeå, Sweden.
- 2003: -Editorial Board, *Zebrafish*, Mary Ann Liebert, Inc. Publishers.
- 2002: -Associate Professor (Cross-Appointed), Dept. of Paediatrics, Univ. of Western Ontario.
- 2001-2002: -Visiting Professor, Institute for Molecular & Cellular Biology, Osaka Univ., Japan.
- 2001: -Associate Professor, Dept. of Zoology, Univ. of Western Ontario.

Appointments (Cont'd.):

- 2001: -Visiting Professor, Molekylærbiologisk Institutt, Univ. of Bergen, Norway.
- 2000: -Assistant Professor (Cross-Appointed), Dept. of Paediatrics, Univ. of Western Ontario.
- 1999: -Associated Scientist, Child Health Research Institute, Univ. of Western Ontario.
- 1995: -Assistant Professor, Dept. of Zoology, Univ. of Western Ontario.
- 1994: -Lecturer, Dept. of Pharmacology, Univ. of Washington School of Medicine.
- 1991: -Visiting Professor, Økologisk Zoologi, Univ. of Tromsø, Norway.
- 1991: -Acting Instructor, Dept. of Pharmacology, Univ. of Washington School of Medicine.
- 1989-1991: -Senior Fellow, Dept. of Pharmacology, Univ. of Washington School of Medicine.

Scholarly and Professional Activities (Cont'd.):

- Department of Molecular Biology, University of Bergen, Bergen, Norway.
- Institute for Molecular & Cellular Biology, Osaka University, Japan.
- 2001: -Experimental Biology, FASEB Meeting, Orlando, FL.
- 1997: -London Regional Cancer Centre, London, ON.
- 1996: -Department of Biochemistry, University of Western Ontario, London, ON.
-Lawson Research Institute, St. Joseph's Hospital, London, ON.
-Department of Biological Sciences, University of Windsor, Windsor, ON.
-Department of Obstetrics & Gynaecology, University of Western Ontario, London, ON.
- 1995: -Department of Zoology, University of Western Ontario, London, ON.
-Department of Anatomy and Cell Biology, University of Toronto, Toronto, ON.
-Departments of Anatomy and Neurobiology; and Biology, University of Vermont, Burlington, VT.
- 1994: -Department of Zoology, University of Western Ontario, London, ON.
-Invited Platform Speaker, 1st Zebrafish Development and Genetics Meeting. Cold Spring Harbor, NY.
-Department of Biology, Western Washington University, Bellingham, WA.
-Population Center for Research in Reproduction, Department of Medicine, Department of Veteran Affairs Medical Center, Seattle, WA.
- 1993: -Department of Zoology, Washington State University, Pullman, WA.
-Developmental Biology Gordon Conference, Proctor Academy, Andover, NH.
-Plenary Lecture, Southwestern Regional Developmental Biology Conference, University of Oklahoma Biological Field Station, Kingston, OK.
- 1992: -West Coast Regional Wnt Meeting, University of California, San Francisco, CA.
-Department of Biology, McMaster University, Hamilton, ON.

Honors (Academic, Scholarly and Professional):

- 2013-2014: -University Students' Council - Teaching Honour Roll.
- 2009: -Nominated for the Schulich School of Medicine and Dentistry Dean's Award of Excellence – Team.
- 2006: -Nominated for the Bank of Nova Scotia, U.W.O. Alumni Association and the University Students' Council Award of Excellence in Undergraduate Teaching.
- 2005-2006: -The Edward G. Pleva Award for Excellence in Teaching, U.W.O.
- 2004: -Ph.D. Opponent, Dept. Molecular Biology, Umeå University, Umeå, Sweden.
-Ph.D. External Examiner, Inst. Molecular & Cell Biology, National Univ. Singapore.
- 2003: -The U.W.O., Faculty of Science Award for Excellence in Teaching.
-Nominated for the Bank of Nova Scotia, U.W.O. Alumni Association and the University Students' Council Award of Excellence in Undergraduate Teaching.
- 2001-2002: -Visiting Professorship, Institute for Molecular & Cellular Biology, Osaka Univ.
- 2001: -Ph.D. Opponent, Molekylærbiologisk Institutt, Univ. of Bergen, Norway.
- 2000: -Nominated for Counselor, Canadian Society of Biochemistry, Molecular and Cellular Biology.
-Nominated for the Bank of Nova Scotia, U.W.O. Alumni Association and the University Students' Council Award of Excellence in Undergraduate Teaching.
- 1997-2002: -Nominated for U.W.O., Faculty of Science Award for Excellence in Teaching.
- 1998: -Nominated for Canada's "Top 40 Under 40". Caldwell Partners, Toronto, ON.
-Malcolm and Ruth Ferguson Research Award, University of Western Ontario.
- 1989-1992: -Medical Research Council of Canada Postdoctoral Fellowship.
- 1988: -Sigma Xi Student Research Award, Sigma Xi, University of Manitoba Chapter.
-American Society for Cell Biology, Travel Award, Bethesda, MD.
- 1987-1988: -University of Manitoba Fellowship, University of Manitoba.
- 1987: -Lucille P. Markey Charitable Trust Award, MBL, Woods Hole, MA.
- 1984-1987: -Natural Sciences and Engineering Research Council of Canada Scholarship.
- 1986: -The George A. Lubinsky Memorial Scholarship, University of Manitoba.
- 1985: -International Grant-in-Aid of Research, Sigma Xi, New Haven, CT.

University of Western Ontario Administrative Duties:

- 2014-2017: -Promotion and Tenure Committee, Department of Biology.
- 2014-2016: -Nominating Committee, UWO Faculty Association.
- 2014: -Faculty of Science representative to UWO Senate.
- 2014: -Indigenous Science Students' Facilitator, Faculty of Science.
- 2013-2016: -Graduate Education Committee, Department of Biology.
- 2013-2016: -Promotion and Tenure Committee, Department of Chemistry.
-Promotion and Tenure Committee, Department of Biochemistry.
-Promotion and Tenure Committee, Department of Microbiology & Immunology.
- 2012-2015: -Promotion and Tenure Committee, Department of Physiology & Pharmacology.
- 2011-2014: -Research Committee, Department of Biology.
- 2011-2012: -Joint Promotion and Tenure Committee, Anatomy & Cell Biology and Faculty of Health Sciences.
-Unit Users Committee, Department of Biology.
- 2010-2013: -Faculty of Science Academic Development Fund Evaluation Committee.
-Promotion and Tenure Committee, Anatomy & Cell Biology.
-Faculty of Science NSERC Re-Discovery Grant Evaluation Committee.
-Workload Committee, Department of Biology.
- 2010-2012: -CRC II Search Committee for Developmental Epigeneticist, Schulich School of Medicine and Dentistry & Faculty of Science.
-Chair, Bioinformatics Search Committee, Department of Biology
- 2009-2012: -Nominating Committee (Chair 2011-12), Faculty of Science.
-Appointments and Planning Committee, Department of Biology.
-University Council on Research Ethics Involving Humans.
- 2008-2011: -Promotion and Tenure Committee, Department of Biology.
- 2004-2007: -Promotion and Tenure Committee, Anatomy & Cell Biology.
- 2003 to 2012: -Steering Committee, Collaborative Graduate Program in Developmental Biology.
- 2003-2004: -Promotion and Tenure Committee, Department of Biology.

Scholarly and Professional Activities (Cont'd.):

- 2002-2005: -Senate Subcommittee on Priorities in Academic Planning, UWO.
- 2000 to 2005: -Special SFRI Appointments Committee, Faculty of Medicine & Dentistry.
- 2000-2004: -Workload Committee, Department of Biology.
- 2000-2002: -Outreach Committee, Department of Biology.
- 1999 to 2005: -Dean's Advisory Group, Faculty of Science.
- 1998-2005: -Chair, Honors Cell & Developmental Biology Program, Department of Biology.
- 1995-2005: -Unit Users Committee, Department of Biology.
- 1995-2005: -Undergraduate Curriculum Committee, Department of Biology.
- 1998-2001: -Dental Admissions Committee, Faculty of Medicine & Dentistry.
- 1997-2001: -Selection Committee for President's Entrance Scholarship, Faculty of Science.
- 1996-2001: -Radiation Safety Committee, UWO.
- 1998-2000: -Nominating Committee, Faculty of Science.
- 1996-2000: -Appointments, Promotion and Tenure Committee, Department of Zoology.
- 1996-2000: -Long Range Planning Committee, Department of Zoology.
- 1996-1998: -Grievance and Academic Review Panel, Faculty of Science.
- 1996-1998: -Seminar Coordinator, Department of Zoology.

Teaching:

Graduate Courses:

- 2012/13: -Model Systems in Cell and Developmental Biology 9316A/B.
2009: -Cell Biology of Stem Cells 9312B.
2005: -The Origin of Experimental Embryology & Entwicklungsmechanik 506A.
1999: -Current Opinions in Vertebrate Developmental Biology 607A.
1998: -Perfect Grantpersonship 603B.
1997: -Methods and Perspectives in Developmental Biology 606A.
1997-2005: -Developmental Biology 538A/638A.
1996: -Growth and Development 617B.
1995: -Cell Signalling 614A.

Undergraduate Courses:

- 2010 – present: -Selected Topics in Cell Biology 4330G.
1997 - present: -Advanced Developmental Biology 438/4338G.
1996 - 2007: -Developmental Biology 338A.
1995 2010: -Cell Biology 282/2382B.
1995 to present: -Honors Thesis Supervisor 450A/451B/4999.
1995 - 2001: -Cell Biology Honors Seminar 496A/B.
1995 - 1999: -Advanced Practical Microscopy 455A.
1988: -Comparative Animal Histology 347, Dept. of Zoology, University of Manitoba.

Biology 282/2382B

Enrollment

Effectiveness

1995-96	637	3.7
1996-97	732	5
1997-98	690	4.4
1998-99	730	5.6
1999-00	543	6.1
2000-01	555	6.1
2001-02	*	-
2002-03	703	5.6
2003-04	644	5.2
2004-05	1232	5.5
2005-06	1079	5.7
2007-08	1079	5.1
2008-09	1028	4.7

Teaching (Cont'd):

Biology 282/2382B **Enrollment** **Effectiveness**

2009-10 1070 4.6

Biology 338/2382A **Enrollment** **Effectiveness**

1996-97 98 5.3
1997-98 98 5.5
1998-99 99 6.1
1999-00 131 5.9
2000-01 127 6.4
2001-02 129 6.2
2002-03 115 5.6
2003-04 123 5.6
2004-05 123 5.2
2005-06 133 5.2
2006-07 113 5.4

Biology 438/4338G **Enrollment** **Effectiveness**

1997-98 19 5.7
1998-99 19 6.4
1999-00 29 6.7
2000-01 24 6.6
2001-02 * -
2002-03 35 5.8
2003-04 26 6.2
2004-05 30 6.2
2005-06 30 5.6
2006-07 33 5.3
2007-08 25 5.1
2008-09 35 6.3
2009-10 29 6.6
2010-11 32 6.0
2011-12 26 5.8
2012-13 17 6.4

Biology 4300G **Enrollment** **Effectiveness**

2010-11 10 6.3
2011-12 19 5.7
2012-13 8 6.0

* Sabbatical Leave
Overall Effectiveness ratings from Student Surveys (95-96 out of 5 points, 7 for all others).

Research Affairs:

My Research Mission

To discover the genetic networks that instructs naïve cells to adopt specific fates with the aim of one day being able to alter these pathways to prevent human diseases.

Ad Hoc Grant Reviewer:

- 2014: -Canadian Space Agency – NASA; International Announcement of Opportunity.
- 2012-2014: -National Medical Research Council - Singapore.
- 2011: -National Medical Research Council - Singapore. -The Wellcome Trust - UK.
-Medical Research Council - UK.
- 2010: -Biomedical Research Council - Singapore.
-The Dutch Cancer Society
-The Wellcome Trust - UK.
-Canada Council for the Arts – Killam Trusts.
- 2009: -CIHR Canada – China-Canada Competition.
-The Wellcome Trust - UK.
- 2008: -Canada Research Chairs.
- 2007: -Canadian Space Agency.
-Manitoba Child Health Institute.
- 2006: -Austrian Science Fund.
-National Science Foundation, USA.
- 2004: -The Wellcome Trust - UK.
- 2002: -The Netherlands Organization for Health Research and Development.
- 2001 - 2002: -Research Grants Council of Hong Kong.
- 2001: -National Institutes of Health, USA.
- 2001: -Michael Smith Foundation for Health Research.
- 2001: -Canadian Foundation for Innovation.
- 1997: -Binational Science Foundation (US-Israel).
- 1996 to present: -NSERC Canada.
- 1996 - 2004: -MRC/CIHR Canada.

Research (Cont'd):

Memberships in Professional Societies:

- 2001 - 2004: -American Association of Anatomists.
- 1987 to present: -Canadian Society for Molecular Biosciences.
- 1987 to present: -American Society for Cell Biology.
- 1985 to present: -Society for Developmental Biology.

Manuscript & Book Reviewer:

- Biochemistry and Cell Biology.
- Biotechniques.
- Biochimica et Biophysica Acta.
- BioMed Central Developmental Biology.
- Canadian Journal of Zoology.
- Cell Stress & Chaperones.
- Comparative Biochemistry and Physiology.
- Developmental Dynamics.
- Developmental Genetics.
- Digestive Diseases and Sciences.
- Essays in Biochemistry
- FEBS Letters.
- Gene.
- Genome.
- In Vitro Cellular and Developmental Biology - Animal.
- International Journal of Biochemistry and Cell Biology.
- Journal of Comparative Physiology.
- Journal of Experimental Biology.
- PLOS One
- Journal of Molecular Endocrinology.
- W.H. Freeman and Company - Scientific American Books/Computer Science Press.
- McGraw-Hill Higher Education.
- Molecular Cancer Therapeutics.
- Pearson/Benjamin Cummings/Addison Wesley.
- PLoS ONE
- Stem Cell Reviews and Reports.
- Stem Cells and Development.
- Wiley.
- Zebrafish.

Publications:

Papers in Refereed Journals:

1. Sandieson, L., Hwang, J.T.K., and **G.M. Kelly**. 2014. Redox Regulation of Canonical Wnt Signaling Affects Extraembryonic Endoderm Formation. *Stem Cells & Development*. PMID 24471440. (Journal Cover).
2. Wen, J.W.H., Hwang, J.T.K. and **G.M. Kelly**. 2012. Reactive oxygen species and Wnt signaling crosstalk patterns mouse extraembryonic endoderm. *Cell Signal*. 24:2337-2348.
3. Hwang, J.T.K. and **G.M. Kelly**. 2012. GATA6 and FOXA2 regulate Wnt6 expression during extraembryonic endoderm formation. *Stem Cells & Development*. 21, 3220-32.
4. Gorudko, I.V., Mukhortava, A.V., Caraher, B., Ren, M., Cherenenkevich, S.N., **Kelly, G.M.** and A.V. Timoshenko. 2011. Lectin-induced activation of plasma membrane NADPH oxidase in cholesterol-depleted human neutrophils. *Arch. Biochem. Biophys*. 516, 173-81.
5. Krawetz, R., Taiani, J., Greene, A., **Kelly, G.M.** and D. E. Rancourt. 2011. Rho kinase inhibition with Y-27632 reduces endoderm lineage specification during directed differentiation of P19 teratocarcinoma cells. *PLOS One*. 6(11):e26484.
6. Sun, Q. and **G.M. Kelly**. 2010. Post-translational modification of the MAGUK protein CASK leads to its proteasome-dependent degradation. *Int. J. Biochem. Cell Biol*. 42, 90-97.
7. Finkielstein, A. and **G.M. Kelly**. 2009. PI3K-Akt signaling coordinately regulates Pten activity in zebrafish embryos. *Biol. Cell*. 101, 661-678. (Journal Cover).
8. Krawetz, R. and **G.M. Kelly**. 2009. Coordinate G α 13 and Wnt6- β -catenin signaling in F9 embryonal carcinoma cells is required for primitive endoderm differentiation. *Biochem & Cell Biol*. 87, 567-580. (Journal Cover for 2010 series).
9. **Kelly, G.M.**, Saijoh, Y., Finkielstein, A., and S. Mangos. 2008. Mouse G-protein γ 3 expression in the developing CNS and neural crest cell derivatives. *Int. J. Dev. Biol*. 52, 1143-1150. (Journal Cover).
10. Krawetz, R. and **G.M. Kelly**. 2008. Wnt6 induces the specification and epithelialization of F9 embryonal carcinoma cells to primitive endoderm. *Cell. Signal*. 20, 506-17.
11. Krawetz, R. and **G.M. Kelly**. 2008. Moesin signalling induces F9 teratocarcinoma cells to differentiate into primitive extraembryonic endoderm. *Cell. Signal*. 20, 163-175.
12. Krawetz, R., MacKenzie, M.J., Sun, Q., Walton, P.A., and **G.M. Kelly**. 2006. G α 13 activation rescues moesin-depletion induced apoptosis in F9 teratocarcinoma cells. *Exp. Cell Res*. 312, 3224-3240.
13. Knowlton, M.N. and **G.M. Kelly**. 2004. Zebrafish mir antagonizes Frizzled 7-induced gastrulation defects. *Zebrafish*. 1, 133-144.

Publications (Cont'd.):

14. Queralt, S.M., Knowlton, M., Avvakumov, G.V., Al-Nouno, R., **Kelly, G.M.** and G. L. Hammond. 2004. Characterization and expression of zebrafish sex hormone-binding globulin. *Endocrinology*. 145, 5221-5230.
15. Knowlton, M.K., Chan, B.M.C. and **G.M. Kelly**. 2003. The zebrafish band 4.1 member Mir is involved in cell movements associated with gastrulation. *Dev. Biol.* 264, 407-429. (Journal Cover).
16. **Kelly, G.M.**, Vanderbeld, B., Krawetz, R., and S. Mangos. 2001. Differential distribution of the G protein $\gamma 3$ subunit in the developing zebrafish nervous system. *Int. J. Dev. Neurosci.*, 19, 455-467. (Journal Cover)
17. Mangos, S., Vanderbeld, B., Krawetz, R., Sudol, K., and **G.M. Kelly**. 2001. The Ran binding protein RanBP1 is essential for zebrafish embryonic development. *Mol. Reprod. & Develop.* 59, 235-248.
18. Mangos, S., Krawetz, R., and **G.M. Kelly**. 2000. The translocon-associated protein β (TRAP β) in zebrafish embryogenesis. I. Enhanced expression of transcripts in notochord and hatching gland precursors. *Mol. & Cell. Biochem.* 215, 93-101.
19. Vanderbeld, B. and **G.M. Kelly**. 2000. New thoughts on the $\beta\gamma$ subunit in G protein signal transduction. *Biochem. Cell Biology*, 78, 537-550. (Journal Cover).
20. Skidmore, D. and **G.M. Kelly**. 1999. While merlin sleeps, Camelot yields. A review of the biology of neurofibromatosis and the role of merlin as a tumour suppressor. *U.W.O. Medical Journal*. 69, 66-69.
21. **Kelly, G.M.** and B. Reversade. 1997. Characterization of a cDNA encoding a novel band 4.1-like protein in zebrafish. *Biochem. Cell Biol.* 75, 623-632.
22. Vascotto, S.G., Beckham, Y., and **G.M. Kelly**. 1997. The zebrafish's swim to fame as an experimental model in biology. *Biochem. Cell Biol.* 75, 479-485. (Journal Cover)
23. Pearson, D.S., Kulyk, W.M., **Kelly, G.M.**, and P.H. Krone. 1996. Cloning and characterization of a cDNA encoding the collagen binding stress protein HSP 47 in zebrafish. *DNA & Cell Biol.* 15, 263-272.
24. **Kelly, G.M.**, Erezyilmaz, D.F., and R.T. Moon. 1995. Induction of a secondary axis in zebrafish occurs following the overexpression of β -catenin. *Mech. Dev.* 53, 1-13. (Journal Cover)
25. **Kelly, G.M.**, Greenstein, P.E., Erezyilmaz, D.F., and R.T. Moon. 1995. Zebrafish *wnt8* and *wnt8b* share a common activity but are involved in distinct developmental pathways. *Development*. 121, 1787-1799. (Journal Cover)
26. **Kelly, G.M.** and R.T. Moon. 1995. Involvement of *wnt1* and *pax2* in the formation of the midbrain-hindbrain boundary in the zebrafish gastrula. *Dev. Genetics*. 17, 129-140.
27. Ungar, A.R., **Kelly, G.M.**, and R.T. Moon. 1995. *Wnt4* affects morphogenesis when misexpressed in the zebrafish embryo. *Mech. Dev.* 52, 1-12.

Publications (Cont'd.):

28. Moon, R.T., Christian, J.L., Campbell, R.M., McGrew, L.L., DeMarais, A.A., Torres, M., Lai, C.-J., Olson, D.J., and **G.M. Kelly**. 1993. Dissecting *wnt* signalling pathways and *wnt*-sensitive developmental processes through transient misexpression analyses in embryos of *Xenopus laevis*. Development Supplement. 85-94.
29. **Kelly, G.M.**, Lai, C.-J., and R.T. Moon. 1993. Expression of *wnt10a* in the central nervous system of developing zebrafish. Dev. Biol. 158, 113-121.
30. **Kelly, G.M.**, Zelus, B.D., and R.T. Moon. 1991. Identification of a calcium-dependent calmodulin binding domain in *Xenopus* membrane skeleton protein 4.1. J. Biol. Chem. 266, 12469-12473.
31. **Kelly, G.M.**, Eib, D.W., and R.T. Moon. 1991. Histological preparation of *Xenopus laevis* oocytes and embryos. Meth. Cell Biol. 36, 383-412.
32. Spencer, M., Giebelhaus, D.H., **Kelly, G.M.**, Bicknell, J., Florio, S.K., Milam A., and R.T. Moon. 1990. Membrane skeleton protein 4.1 in developing *Xenopus*: Expression in post-mitotic cells of the retina. Dev. Biol. 139, 279-291.
33. **Kelly, G.M.** and E. Huebner. 1989. The embryonic development of the hemipteran insect *Rhodnius prolixus*. J. Morphol. 199, 175-196.
34. **Kelly, G.M.** and E. Huebner. 1987. Juvenoid effects on *Rhodnius prolixus* embryogenesis. Insect Biochem. 17, 1079-1083.
35. **Kelly, G.M.** and E. Huebner. 1986. The effects of the insect growth regulator, fenoxycarb on *Rhodnius prolixus* embryogenesis (Insecta, Hemiptera). Can. J. Zool. 64, 2425-2429.

Letters & Editorials:

36. Solnica-Krezel, L. & **G.M. Kelly**. 2009. Then and now of zebrafish Wnt signaling. Zebrafish. 6, 1.
37. Cheng, K.C., Aleström, P., Begemann, G., Carvan III, M.J., Crosier, K., Crosier, P., Ekker, S., Huttenlocher, A., Kawakami, K., **Kelly, G.**, Korzh, V., Lieschke, G., Mione, M., Neely, M.N., Neuhauss, S., Trede, N.S. 2008. Views on four key questions about zebrafish research. Zebrafish. 5, 9-24.

Books:

38. **Kelly, G.M.**, Klevickis, C., Haimo, L., Storrie, B., Wong, E.A., Walker, R.A., Gillaspy, G., Sible, G. and M. Lederman. 2012. *Student Solutions Manual for Molecular Cell Biology*, 7th edition. W.H. Freeman and Co., N.Y.
39. **Kelly, G.M.**, Klevickis, C., Haimo, L., Storrie, B., Wong, E.A., Walker, R.A., Gillaspy, G., Sible, G. and M. Lederman. 2008. *Student Solutions Manual for Molecular Cell Biology*, 6th edition. W.H. Freeman and Co., N.Y.

Book Chapters:

40. **Kelly, G.M.** and R.T. Moon. 1995. A Simplified Ribonuclease Protection Assay. *In The Zebrafish Book*. (Edited by M. Westerfield). Univ. of Oregon Press, Eugene, OR. pp. 34-35.

Publications (Cont'd.):

41. Christian, J.L., **Kelly, G.M.**, and R.T. Moon. 1991. Dominant Mutations Of Cytoskeletal Proteins In *Xenopus* Embryos. (Edited by M.S. Mooseker and J.S. Morrow). Curr. Top. Membranes. 38, 99-111.

42. **Kelly, G.M.** and E. Huebner. 1986. Experimental Analysis Of *Rhodnius prolixus* (Insecta, Hemiptera) Embryogenesis. In Progress In Developmental Biology. (Edited by H.C. Slavkin). Alan R. Liss, Inc. N.Y. pp. 423-426.

Submitted/Accepted Pending Revisions or In Preparation:

Sun, Q. and **G.M. Kelly**. 2013. Serum-stimulated expression and proteasome-mediated degradation of PARP-2: Dual mechanisms in PARP-2 degradation. In Prep.

Published Abstracts:

1. **Kelly, G. M.**, Deol, G., Sandieson, L., Klimov, E., Dickson, B. and J. Hwang. Differentiation of F9 cells into extraembryonic endoderm is accompanied by metabolic changes, increased levels of ROS and canonical Wnt signaling. 73rd Annual Meeting of the Society for Developmental Biology, Seattle, WA.

2. Deol, G. Hwang, J., Golenia, G. and **G.M. Kelly**. 2014. Wnt and Hh Signaling crosstalk patterns mouse extraembryonic endoderm. 7th Canadian Developmental Biology Conference, Mont-Tremblant, PQ.

3. **Kelly, G.M.** 2013. Signaling pathways in cancer and development. 47th Conference of the Polish Society for Histochemistry and Cytochemistry, Olsztyn, Poland.

4. Golenia, G., Deol, G., and **G.M. Kelly**. 2013. Crosstalk between Wnt and Hh signaling directs extraembryonic endoderm formation. 17th International Congress of Developmental Biology, Cancun, Mexico.

5. Hwang, J. and **G.M. Kelly**. 2013. RA induced primitive extraembryonic endoderm leads to increased reactive oxygen species and a shift from aerobic glycolysis to mitochondrial biogenesis. 17th International Congress of Developmental Biology, Cancun, Mexico.

6. **Kelly, G. M.** Sandieson, L., Wen, J., J.T.K. Hwang. 2012. Redox signaling influences the Wnt/ β -catenin pathway during primitive endoderm differentiation. International Society of Differentiation, Amsterdam, Netherlands.

7. Hwang, J. and **G.M. Kelly**. 2012. RA and ROS act in similar signaling pathways during extraembryonic endoderm formation. 71st Annual Meeting of the Society for Developmental Biology, Montreal, PQ.

8. Hwang, J. and **G.M. Kelly**. 2011. Wnt signaling is influenced by reactive oxygen species. 70th Annual Meeting of the Society for Developmental Biology, Chicago, IL.

Publications (Cont'd):

9. Hwang, J., Wen, J. and **G.M. Kelly**. 2010. Activation of Wnt6 signaling by reactive oxygen species. 50th Annual Meeting of the American Society for Cell Biology, Philadelphia, PA.
10. Hwang, J. and **G.M. Kelly**. 2009. Gata6 expression induces Wnt6 expression during extraembryonic endoderm differentiation. 49th Annual Meeting of the American Society for Cell Biology, San Diego, CA.
11. Finkielsztejn, A. and **G.M. Kelly**. 2008. Ptena overexpression in zebrafish early development. The Canadian Zebrafish Workshop, Satellite meeting of the 1st Canadian Developmental Biology Conference, Banff, AB.
12. Finkielsztejn, A. and **G.M. Kelly**. 2008. Regulation of GSK-3 and CKII by pAKT modulates PTEN activity. 1st Canadian Developmental Biology Conference, Banff, AB.
13. Finkielsztejn, A., Sun, Q., Hillis, C. and **G.M. Kelly**. 2006. PTEN in zebrafish gastrulation. 65th Annual Meeting of the Society for Developmental Biology. Ann Arbor, MI.
14. Krawetz, R., Sun, Q. and **G.M. Kelly**. 2006. Wnt and G protein signaling in primitive and parietal endoderm differentiation. 65th Annual Meeting of the Society for Developmental Biology. Ann Arbor, MI.
15. **Kelly**, G.M., Hillis, C., Finkielsztejn, A. and M. Knowlton. 2005. FERM domain proteins and their involvement in zebrafish gastrulation. 1st Strategic Conference of Zebrafish Investigators, Mount Desert Island Biological Laboratory, Salisbury Cove, ME.
16. Mangos, S. and **G.M. Kelly**. 2004. The zebrafish homologue of the tumor suppressor merlin is required in early vertebrate development. 6th Zebrafish Development and Genetics Meeting. University of Wisconsin, Madison, WI.
17. Knowlton, M.N. and **G.M. Kelly**. 2004. Mir antagonizes Frizzled 7-induced gastrulation defects. 6th Zebrafish Development and Genetics Meeting. University of Wisconsin, Madison, WI.
18. Knowlton, M.N. and **G.M. Kelly**. 2004. Over-expression of zebrafish frizzled 7a and 7b alters cell movements associated with gastrulation. 63rd Annual Meeting of the Society for Developmental Biology. Calgary, AB.
19. Queralt, S.M., Knowlton, M., Avvakumov, G.V., Al-Nouno, R., **Kelly, G.M.** and G.L. Hammond. 2004. Zebrafish sex hormone-binding globulin: Molecular characterization and tissue-specific expression during development. 5th International Symposium on Fish Endocrinology, Castellón, Spain.
20. Knowlton, M.N. and **G.M. Kelly**. 2004. Frizzled 7a and 7b signaling is required for zebrafish gastrulation. The Wnt meeting 2004. Ann Arbor, MI.
21. Mangos, S. and **G.M. Kelly**. 2003. Characterization of zebrafish merlin and its role in vertebrate development. Midwest Zebrafish Conference, Chiacgo, Il.

Publications (Cont'd.):

22. **Kelly, G.M.**, Vanderbeld, B., and M.N. Knowlton. 2001. G protein signaling in the developing zebrafish central nervous system. 60th Annual Meeting of the Society for Developmental Biology. Seattle, WA.
23. **Kelly, G.M.**, Vanderbeld, B., and M.N. Knowlton. 2001. G protein γ 3 signaling during zebrafish embryonic development. Experimental Biology, FASEB. Orlando, FL.
24. **Kelly, G.M.**, Vanderbeld, B., Krawetz, R., and S. Mangos. 2000. Differential distribution of the G protein γ 3 subunit in the developing zebrafish nervous system. 10th Annual Winternational Symposium. Banff, AB.
25. MacKenzie, M., Vascotto, S., Mangos, S., Skidmore, D., and **G.M. Kelly**. 1998. Does novel band 4.1-like protein 4 link plasma membrane to cytoskeleton? 14th Annual Symposium on Cellular Endocrinology: Cell Signalling and the Cytoskeleton. Lake Placid, NY.
26. Rosenblum, M.D., Vascotto, S.G., MacKenzie, M.J., Mangos, S., and **G.M. Kelly**. 1998. Does zebrafish novel band 4.1-like protein 4 participate in cell signalling? 3rd Zebrafish Development and Genetics Meeting. Cold Spring Harbor, NY.
27. **Kelly, G.M.**, Gallardi, R.L., and Y.M. Beckham. 1996. Characterization of a cDNA encoding the novel band 4.1-like protein in zebrafish. 36th Annual Meeting of the American Society for Cell Biology & 6th International Congress on Cell Biology, San Francisco, CA. Mol. Biol. Cell 7: 3212.
28. **Kelly, G.M.**, Erezyilmaz, D.F., and R.T. Moon. 1995. The overexpression of β -catenin induces a secondary embryonic axis in zebrafish. 35th Annual Meeting of the American Society for Cell Biology, Washington, D.C.
29. **Kelly, G.M.** 1995. The role of *wnt* genes in zebrafish pattern formation. 38th Annual Meeting of the Canadian Federation of Biological Societies. Saskatoon, SK.
30. **Kelly, G.M.** and R.T. Moon. 1994. Expression of *wnt8b* in the developing zebrafish hindbrain. Third Altschul Symposium, Saskatoon, SK. Plenum Press, NY.
31. **Kelly, G.M.** and R.T. Moon. 1994. Expression of *wnt8b* and *wnt8c* during zebrafish embryogenesis. 1st Zebrafish Development and Genetics Meeting. Cold Spring Harbor, NY.
32. Ungar, A.R., **Kelly, G.M.**, and R.T. Moon. 1994. Characterization of zebrafish *wnt4* expression during embryogenesis. 1st Zebrafish Development and Genetics Meeting. Cold Spring Harbor, NY.
33. **Kelly, G.M.**, Lai, C.-J., and R.T. Moon. 1992. Spatial and temporal characterization of a new *wnt*-family member expressed during zebrafish embryogenesis. 35th Annual Meeting of the Canadian Federation of Biological Societies. Victoria, BC.
34. **Kelly, G.M.** and R.T. Moon. 1991. Identification and biochemical characterization of a calmodulin binding domain in *Xenopus* skeletal protein 4.1. 34th Annual Meeting of the Canadian Federation of Biological Societies. Kingston, ON.
35. **Kelly, G.M.**, Zelus, B.D., Christian, J.L., and R.T. Moon. 1990. Protein 4.1 overexpression in developing *Xenopus* embryos. 29th Conference of the Canadian Society of Zoology. Burnaby, BC.

Publications (Cont'd.):

36. Moon, R.T., Christian, J.L., **Kelly, G.M.**, Wolda, S., and D.W. Eib. 1990. Dominant mutations in cytoskeletal proteins in developing *Xenopus* embryos. *J. Cellular Biochem.* 14a, 214.
37. Christian, J.L., Eib, D., **Kelly, G.M.**, and R.T. Moon. 1989. Overexpression of wild type or dominant negative mutant vimentin subunits in developing *Xenopus* embryos. *J. Cell Biol.* 109, 258a.
38. **Kelly, G.M.** and E. Huebner. 1988. Localization of a high MW actin in embryos of *Rhodnius prolixus* (Insecta, Hemiptera). 4th International Congress of Cell Biology, Montreal, PQ.
39. **Kelly, G.M.**, Graham, S.M., and E. Huebner. 1988. Cytoskeletal changes accompanying blastoderm formation in the insect *Rhodnius prolixus*. Prairie Universities Biological Seminars, Winnipeg, MB.
40. **Kelly, G.M.** and E. Huebner. 1987. Blastoderm formation in the hemipteran insect, *Rhodnius prolixus*. *J. Cell Biol.* 105, 86a.
41. **Kelly, G.M.** and M. M. Winkler. 1987. Action of cytoskeletal drugs on protein synthesis in sea urchin cell-free systems. Embryology Course, Marine Biological Laboratory, Woods Hole, MA.
42. **Kelly, G.M.** 1986. Morphological and biochemical aspects during the embryogenesis of an insect, *Rhodnius prolixus*. Prairie Universities Biological Seminars, Edmonton, AB.
43. **Kelly, G.M.** and E. Huebner. 1986. JH analogue perturbation on *Rhodnius prolixus* embryogenesis: EM and biochemical analysis. IV International Symposium on Juvenile Hormones. Niagara-on-the-Lake, ON.
44. **Kelly, G.M.** and E. Huebner. 1986. High resolution, two dimensional gel electrophoresis analysis of *Rhodnius prolixus* embryogenesis. Canadian Entomological Society Meetings. Winnipeg, MB.
45. **Kelly, G.M.** and E. Huebner. 1985. *Rhodnius prolixus* embryogenesis: Cellular events of normal development compared with those after juvenile hormone analogue perturbation. *Cell Diff.* 16, 120s.
46. **Kelly, G.M.** and E. Huebner. 1984. Cellular aspects of early- to mid-embryogenesis in the insect *Rhodnius prolixus*. *J. Cell Biol.* 99, 270a.

Research Support:

<u>Year</u>	<u>Grant Description</u>	<u>Amount</u>
2014-2019:	NSERC Discovery Grant: “Cell signaling in embryonic epithelial-to-mesenchymal transitions.”	\$165,000
2011-2012:	U.W.O. ADF: “Assessing the teratogenic effects of iron oxidizing bacterial biomass on zebrafish embryogenesis	\$6,873
2010-2011:	NSERC RTI Grant: Fluorescence and absorbance detection of ROS.	\$10, 927
	NSERC RTI Grant: Imaging and microscopy suite software and hardware upgrades. Co-P.I. with S. Damjanovski.	\$40,469
2009-2014:	NSERC Discovery Grant: “Cell signaling crosstalk in development”.	\$160,000
2008-2009:	NSERC RTI Grant: Luminescence and fluorescence detection of gene expression and reactive oxygen species.	\$22, 595
	NSERC RTI Grant: Request for Gradient PCR Thermocycler and -86C Ultra-low Temperature Freezer. Co-P.I. with A. Percival-Smith.	\$23, 003
	NSERC RTI Grant: High efficiency DNA transfer into mammalian and Non-mammalian cells. Co-P.I. with S. Damjanovski.	\$39,021
2004-2009:	NSERC Discovery Grant: “Regulation of signal transduction pathways at the cortical cytoskeletal-plasma membrane interface”.	\$248,500
2004-2005:	U.W.O. ADF: “Time lapse videomicroscopy and Flexercell Tension System”. Co-P.I. with Drs. V. Morris, et al.	\$42,286
2003-2004:	U.W.O. ADF: “Multicapable Molecular Bioimaging System”. Dr. S. Damjanovski (P.I.).	\$62,245
2002-2003:	Child Health Research Institute, U.W.O.: “MIR and kidney tubulogenesis”.	\$7,500
2002-2003	U.W.O. ADF: “Real time polymerase chain reaction for assaying levels of gene expression”. Co-P.I. with Drs. B.G. Atkinson, et al.	\$62,735
2002-2003	U.W.O. Science Students Levy: “Fluorescent Dissecting Microscope”. Co-P.I. with Dr. S. Damjanovski.	\$11,211
	Lawson Health Sciences Research Institute: “The role of Syndecan -MAGUK and Protein 4.1 interactions in cell proliferation.	\$12,000

Research Support (Cont'd.):

2001-2002:	NSERC Equipment Grant: “Fluorescence detection and imaging system”. Co-P.I. with Dr. S. Damjanovski.	\$34,057
2000-2004:	NSERC Individual Grant: “Regulation of the protein 4.1 family: A link between cytoskeleton and signal transduction”.	\$184,000
2000-2001:	Child Health Research Institute, U.W.O.: “Functional analysis of the zebrafish Nf2-tumour suppressor protein, merlin”.	\$6,000
2000:	U.W.O. ADF: “High resolution CCD and microprocessor controlled microscope”. Co-P.I. with Dr. S. Caveney.	\$60,000
1996-2000:	NSERC Individual Grant: “Identification and characterization of the membrane binding domain in zebrafish membrane skeleton protein 4.1”.	\$157,435
1998-1999:	U.W.O. ADF: “Laser-based embryo manipulation workstation”. Dr. M. Grbic (P.I.) et al.	\$76,649
	U.W.O. Malcolm and Ruth Ferguson Research Grant. “Wnt gene regulation in zebrafish”.	\$5,000
1997-1998:	NSERC Equipment Grant: “Refrigerated low-mid speed centrifuge”.	\$16,936
	U.W.O. Faculty of Medicine & Dentistry: Summer Research Training Program.	\$7,400
1996-1997:	NSERC Equipment Grant: “Gel drying and vacuum system.”	\$13,946
1996-1997	NSERC Equipment Grant: “Ultra low temperature freezer”. Co-P.I. with Dr. C. Milligan.	\$13,315
1996-1997:	U.W.O. VP Research: “Expression and function of the protein 4.1 superfamily in zebrafish embryogenesis”.	\$6,800
	UWO ADF: “Equipment for Teaching Laboratories in Genetics and Cell Biology”. Dr. B.G. Atkinson (P.I.).	\$23,874
1992-1997:	NIH RO1: “Expression and functions of wnt genes in zebrafish”. Co-P.I. with Dr. R.T. Moon.	\$854,000
1995:	U.W.O. Dean of Science, Start-up Support.	\$80,000
1991-1992:	Keck Center for Advanced Studies of Neural Signaling: “The role of the wnt-related genes in directing segmentation during zebrafish neurogenesis”. Co-P.I. with Dr. R. T. Moon.	\$21,270

Contributions to Training of Personnel:

My Personal Statement

I treat people with respect and show compassion regardless of their position, nationality, age, sexual or religious beliefs. I believe most people are good and honest and I aspire to be as fair to them as they would be to me. I strive to maintain a strong work ethic and I am dedicated to the task at hand.

“Concordia res parvae crescent”!

Support to Students:

<u>Year</u>	<u>Grant Description</u>	<u>Amount</u>
2014:	NSERC Summer Student Research Award.	\$4,500
2013:	NSERC Summer Student Research Award.	Declined
2012:	NSERC Summer Student Research Award.	\$4,500
2011:	NSERC Summer Student Research Award (2 recipients).	\$9,000
2010:	NSERC Summer Student Research Award.	\$4,500
2008:	NSERC Summer Student Research Award.	\$4,500
2007:	NSERC Summer Student Research Award.	\$4,500
2006:	NSERC Summer Student Research Award (2 recipients).	\$9,000
2005:	NSERC Summer Student Research Award.	\$4,500
2004:	NSERC Summer Student Research Award.	\$4,500
2003:	NSERC Summer Student Research Award.	\$4,500
2002:	NSERC Summer Student Research Award.	\$4,000
2001:	NSERC Summer Student Research Award (2 recipients).	\$8,000
2000:	NSERC Summer Student Research Award.	\$3,600
	HRDC Summer Career Placement Award.	\$1,020
1999:	NSERC Summer Student Research Award (2 recipients).	\$7,200
1998:	HRDC Summer Career Placement Award.	\$1,530
	Province of Ontario Youth Opportunities Unlimited Award.	\$2,240
1997:	HRDC Summer Career Placement Award.	\$1,785
	Province of Ontario Youth Opportunities Unlimited Award.	\$1,440
1996:	HRDC Summer Career Placement Award.	\$1,997

Contributions to Training (Cont'd.):

Supervisory and Examining Committee Member:

M.Sc. Thesis Advisory	39	Ph.D. Thesis Advisory	16
M.Sc. Thesis Examiner	27	Ph.D. Thesis Examiner	16

Graduate Students:

B. Dickson:	2013: M.Sc. program.
E. Klimov:	2013: M.Sc. program.
D. Wallace:	2013: M.Sc. program. (Co-supervised with Dr. P. Chidiac).
G. Deol	2012: M.Sc. program.
G. Golenia	2011: M.Sc. program.
L. Sandieson	2010: M.Sc. completed 2012.
J. Hwang	2009: Ph.D. completed, 2014.
J. Wen	2008: M.Sc. completed, 2010, (Ph.D. program, Univ. of Toronto).
N. Alkahlout	2008: M.Sc. program (withdrawn).
B. Cadesky	2007: M.Sc. completed 2009, (M.D. program, Queens University).
J. Hwang	2007: M.Sc. completed 2009, (Ph.D. program).
V. Garside	2006: M.Sc. completed, (Co-supervised with Dr. C. Pin).
S. Deimling	2005: Ph.D. completed 2011, (Co-supervised with Dr. T. Drysdale).
A. Finkielsztejn	2003: Ph.D. completed 2009. PDF, Univ. Illinois, Chicago.
Q. Sun	2002: Ph.D. program, completed 2014.
W. Lu	2002: M.Sc. completed 2004, Nursing, Univ. of Toronto.
R. Krawetz	2001: Ph.D. completed 2006, Research Assistant Professor, Univ. of Calgary.
M. Knowlton	1999: Ph.D. completed 2004, Curator, Jackson Labs, Bar Harbor.
M. MacKenzie	1998: M.Sc. 2000, Assistant Professor, Columbia University.
B. Vanderbeld	1998: M.Sc. 2000, Ph.D. program, Queens University.
S. Mangos	1997: Ph.D. completed 2004, Research Assistant Professor, Univ. Miami.
R. Garriock	1997: M.Sc. completed 1999, (Co-supervised with Dr. T. Drysdale). PDF, Univ. of California, San Francisco.

Contributions to Training (Cont'd.):

4th Year Honors Projects:

N. Dialani N. C. Jung M. O'Brien	2014-2015	B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Biology.
L.-Y. Lim T. Cooper R. Varma	2013-2014	B.Sc. Honors Biology.
T. Dean B. Dickson S. Lee D. Reilly D. Sulevani	2012-2013:	B.Sc. Honors Biology. B.Sc. Honors Genetics. B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Biology.
E. Yu	2012-2013:	B.Sc. Honors Biology.
A. Cox E. Gray S. Mason S. Shaikh Z. Mir	2011-2012:	B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Anatomy & Cell Biology.
A. Calinescu	2010-2011:	B.Sc. Honors Cell and Developmental Biology.
S. Dutt A. Ghandi	2010-2011:	B.Sc. Honors Comparative Physiology. B.Sc. Honors Biology.
A. Anam J. Cotten J. Jang R. Sharma S. Wales	2009-2010:	B.Sc. Honors Biology. B.Sc. Honors Cell and Developmental Biology. B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Cell and Developmental Biology.
C. Edey G. Gupta L. McMahon P. Ricci A. Roy S. Symons	2008-2009:	B.Sc. Honors Cell and Developmental Biology. B.Sc. Honors Cell and Developmental Biology. B.Sc. Honors Biology. B.Sc. Honors Biology. B.Sc. Honors Cell and Developmental Biology. B.Sc. Honors Cell and Developmental Biology.
K-A Bridge	2008:	B.Sc. Honors Cell and Developmental Biology.

Contributions to Training (Cont'd.):

R. Duchon	2007-2008:	B.Sc. Honors Biology.
K. Hepworth		B.Sc. Honors Biology.
M. McWilliam		B.Sc. Honors Genetics and Biochemistry.
L. Morris		B.Sc. Honors Biology.
H. Struthers		B.Sc. Honors Cell and Developmental Biology.
R. Al-Dabbagh	2006-2007:	B.Sc. Honors Cell and Developmental Biology.
P. De Gouveia		B.Sc. Honors Genetics.
S. Dessouki		B.Sc. Honors Cell and Developmental Biology.
A. Fenton		B.Sc. Honors Biology.
S. Grover		B.Sc. Honors Genetics.
K. Kernohan		B.Sc. Honors Genetics.
A. Pitts		B.Sc. Honors Biology.
M. Al-Masri	2005-2006:	B.Sc. Honors Genetics.
A. Clausner		B.Sc. Honors Cell and Developmental Biology.
M. Collins		B.Sc. Honors Genetics.
R. D'souza		B.Sc. Honors Biology.
C. Hillis		B.Sc. Honors Cell and Developmental Biology.
N. Gill		B.Sc. Honors Biology.
A. Goldberg		B.Sc. Honors Cell and Developmental Biology.
O. Majstorovic	2005	B.Sc. Honors Biology.
T. Belsito	2004-2005:	B.Sc. Honors Genetics.
E. Bowley		B.Sc. Honors Biology.
S. Chadi		B.Sc. Honors Genetics.
S. Deimling		B.Sc. Honors Biology.
A. Guzi	2004-2005:	B.Sc. Honors Biology.
A. Khairandish		B.Sc. Honors Biology.
A. Sharma		B.Sc. Honors Genetics.
B. Czikkel	2003-2004:	B.Sc. Honors Cell Biology.
A. Davis		B.Sc. Honors Genetics.
C. Godin		B.Sc. Honors Genetics.
J. Hickson		B.Sc. Honors Cell Biology.
Y. Moursel		B.Sc. Honors Biology.
K. Boucher	2002- 2003:	B.Sc. Honors Cell Biology.
K. Hagarman		B.Sc. Honors Genetics.
M. Manocha		B.Sc. Honors Cell Biology.
K. Osczevski		B.Sc. Honors Genetics.
J. Rockel		B.Sc. Honors Cell Biology.
C. Tuason		B.Sc. Honors Cell Biology.

Contributions to Training (Cont'd.):

H. Hundt J. Savage J. Omole D. Padavan	2001- 2002:	B.Sc. Honors Cell Biology. B.Sc. Honors Cell Biology. B.Sc. Honors Cell Biology. B.Sc. Honors Cell Biology.
R. Krawetz	2000- 2001:	B.Sc. Honors Cell Biology.
T. Weber	1999-2000:	B.Sc. Honors Cell Biology.
M. Knowlton A. Sparrow S. Cossette	1998-1999:	B.Sc. Honors Genetics. B.Sc. Honors Cell Biology. B.Sc. Honors Genetics.
K. Kelley M. MacKenzie S. Watson S. Vascotto	1997-1998:	B.Sc. Honors Zoology. B.Sc. Honors Zoology. B.Sc. Honors Zoology. B.Sc. Honors Genetics.
B. Reversade	1996-1997:	B.Sc. Honors Cell Biology.
C. Beck M. Mathews C. Brailsford	1995-1996:	B.Sc. Honors Zoology. B.Sc. Honors Zoology. B.Sc. Honors Genetics.
D. Erezylmaz	1993-1995:	B.Sc. Senior Honors Project, University of Washington.

Other Significant Duties/Outreach:

- 2014: -Journal Club, UWO Sciencescape.org
- 2013-present: -Embryocreativitus a molecular, cellular and developmental biology blog, embryonicus.wordpress.com
- 2013-14: -Youth Science –Team Canada – ISEF Selection Panel.
- 2010-2012: -U.W.O., Faculty of Science Scholar's Electives Supervisor.
- 2010-2011: -Child Health Research Institute; Partners in Research Essay Contest.
- 2009 to present: -Virtual Researcher on Call, London, ON.
- 2008-2009: -Special Editor, Wnt Signaling. *Zebrafish*.
- 2006: -Graduate Supervision Focus group, Teaching Support Centre, U.W.O.
- 2005: -Aventis Biotech Challenge.
- 2004 to present: -Partners in Research Speaker's Bureau, Child Health Research Institute.
- 2002 to 2009: -Summer Academic Orientation Counselor, U.W.O.
- 2001: -Faculty Phone Campaign, U.W.O.
- 2000: -Canada Wide Science Fair Judge, London, ON.
- 1999: -Outreach: Invited Guest, London East Rotary Club Luncheon.
- 1998 to present: -Participant, U.W.O. Interactions - Canadian Medical Hall of Fame Symposium.
- 1998 to 2005: -Leadership and Mentorship Program, U.W.O.
- 1998 to 2004: -Adjudicator for Biology Undergraduate Students.
- 1998 to present: -London-Middlesex Regional Science Fair Judge, London, ON.
- 1996 to present: -Convocation: Orator and Hooder, Fall and Spring Convocations.
- 1996 to 2005: -Participant in the U.W.O.'s March Open Houses.
- 1995 to 2002: -Supervisor, Co-op Education Program, London-Middlesex High Schools.
- 1997: -Participant in Ontario Biology Day, Wilfred Laurier University.
- 1997: -Special Editor, "Zebrafish", *Journal of Biochemistry and Cell Biology*.
- 1997: -Meeting Organizer, Genetics Society of Canada, London, ON.
- 1997: -Meeting Organizer, Canadian Society of Zoologists, London, ON.
- 1996: -Faculty of Science Participant in London's Central High School Open House.

Other Significant Duties/Outreach (Cont'd.):

1995-1996: -Organizer, Department of Zoology Journal Club.

References:

Dr. M. Ekker: Professor, Biology Department, Director of the Center for Advanced Research in Environmental Genomics, University of Ottawa, 150 Louis, P.O. Box 450, Station A Ottawa, ON K1N 6N5. (613) 562-5800 ext. 2605; Fax 562-5486; marc.ekker@science.uottawa.ca

Dr. J. Heikkila: Professor, Associate Dean (Graduate Studies and Research), Department of Biology, University of Waterloo, Waterloo, ON N2L 3G1, 519-885-1211; Fax 746-0614; heikkila@sciborg.uwaterloo.ca.

Dr. P. Krone: Professor, Department of Anatomy and Cell Biology, University of Saskatchewan, Saskatoon, SK S7N 5E5. (306) 966-4089; FAX 966-4298; email krone@duke.usask.ca.

Dr. R.T. Moon: Professor, Department of Pharmacology, K-536C HSB Box 357750, and Howard Hughes Medical Institute, University of Washington Medical Center, Seattle, WA 98195. (206) 543-1722; FAX 616-4230; email rtmoon@u.washington.edu.