

CURRICULUM VITAE

NAME: Kursad TURKSEN

Email: kursadturksen@gmail.com

ACADEMIC QUALIFICATIONS

Post-Doctoral Fellow	Howard Hughes Med. Inst. Dr. Elaine Fuchs	University of Chicago	1995
Ph.D.	Oral Biology (Bone Cell Biology) Dr. Jane Aubin	Univ. of Toronto	1991
B.Sc. (Hons.)	Biology	University of Ottawa	1979

AWARDS

Centennial Fellowship	1993-1995
Medical Research Council of Canada Fellowship	1992-1993
Medical Research Council of Canada Studentship	1989-1991
Ontario Graduate Scholarship -Declined	1989-1990
Ontario Graduate Scholarship	1988-1989
University of Toronto Open Fellowship	1986-1987

RESEARCH EXPERIENCE AND POSITIONS HELD

2012- **Visiting Professor**
Samuel Lunenfeld Research Institute, Mount Sinai Hospital
University of Toronto, Toronto, Ont. Canada
Host: Dr. Andras Nagy.

2010- **Senior Scientist**
Regenerative Medicine Program, Ottawa Health Research Institute, Ottawa
Hospital, Ottawa, Ontario.

2005- **Associate Professor- Cross-appointment**
Department of Cellular and Molecular Medicine, University of Ottawa,
Ottawa, Ontario.

- 2004-** **Senior Scientist**
Hormones, Growth and Development Group, Ottawa Health Research Institute, Ottawa Hospital, Ottawa, Ontario.
- 1997-** **Scientist**
Co-cross-appointment
Division of Endocrinology and Division of Dermatology,
Department of Medicine, Ottawa Hospital, Ottawa, Ontario.
- 1997-** **Assistant Professor**
Cross-appointment
Department of Cellular and Molecular Medicine, University of Ottawa,
Ottawa, Ontario.
- 1997-** **Member**
Graduate Faculty in the School of Graduate Studies, University of Ottawa,
Ottawa, Ontario.
- 1997-2011** **Member**
Graduate Studies Committee, Department of Cellular and Molecular
Medicine, University of Ottawa, Ottawa, Ontario.
- 1996-2004** **Scientist**
Hormones, Growth and Development Group, Ottawa Health Research
Institute, Ottawa Hospital, Ottawa, Ontario.
- 1993-1995** **Centennial Fellow**
Gene targetting in ES cells.
Supervisor: **Dr. Elaine Fuchs**,
Howard Hughes Medical Institute, University of Chicago, Chicago, Illinois,
60637, USA.
- 1992-1993** **Postdoctoral Fellow**
Role of cytokines in skin by overexpression in transgenic mice.
Supervisor: **Dr. Elaine Fuchs**,
Howard Hughes Medical Institute, University of Chicago, Chicago, Illinois,
60637, USA.
- 1988-1991** **Ph.D. Program**
Analysis of the osteoblast lineage: Use of a cell culture model and
monoclonal antibodies.
Supervisor: **Dr. Jane Aubin**,

MRC Group in Periodontal Physiology, Faculty of Dentistry, University of Toronto, Toronto, Ontario.

EDITORIAL RESPONSIBILITIES

Editor-in-Chief, Stem, Cell Reviews and Reports 2009-

Editor-in-Chief Stem, Cell Biology and Regenerative Medicine Book Series 2008-

Associate Editor, Molecular Biotechnology 2011-

Member, Executive Editorial Board, Springer's Protocols On-Line, 2008-

Member, Executive Editorial Board, Methods in Molecular Biology, 2008-

Member, Editorial Board, Tissue Barriers, 2013-

Member, Editorial Board, Niche, 2012-

Member, Editorial Board, ISRN Stem Cells, 2012-

Member, Editorial Board, Recent Patents on Regenerative Medicine, 2010-

Member, Editorial Board, World Journal of Stem Cells (WJSC), 2009-

Member, Editorial Board, The Open Stem Cell Journal, 2008-

Member, Editorial Board, The Open Cell Development and Biology Journal, 2007-

Member, Editorial Board, Molecular Biotechnology, 2004-2010

GRANTS

Canadian Institutes of Health Research:

Understanding the biological mechanisms of aging: Improving stemness in an aging stem cell population.

Operating Grant (**K. Turksen, PI**). 2010-2012

Canadian Institutes of Health Research:

S1P Signaling and Aging.

Operating Grant (**K. Turksen, PI**). 2009-2010

Saudi Arabia Ministry of Education

Epidermal Lineage: Use of Embryonic Stem Cells.

Operating Grant (**K. Turksen, PI**). 2010-2012 (Declined)

Saudi Arabia Ministry of Education

Heat Shock Proteins and Tumorigenesis.

Operating Grant (**K. Turksen, PI**). 2009-2011

Department of Otolaryngology, Ottawa Hospital

Use of ES cells to study inner ear lineage in vitro.

Operating grant (**K. Turksen, PI**). 2009-2011

Canadian Institutes of Health Research:

Epidermal permeability barrier: An animal model for premature babies.
Operating Grant (K. Turksen, PI). 2007-2011

Canadian Institutes of Health Research:

Isolation of Human Embryonic stem cell derived Epidermal Stem cells.
Operating Grant (K. Turksen, PI). 2007-2009

Canadian Institutes of Health Research:

Stem Cells and Aging.
Operating Grant (K. Turksen, PI). 2007-2008

Natural Sciences and Engineering Research Council of Canada:

Role of Calcium Sensing Receptor in Epithelial Differentiation.
Operating Grant (K. Turksen, PI). 2007-2009

Canadian Institutes of Health Research:

Role of Claudin-6 in epidermal differentiation.
Operating Grant (K. Turksen, PI). 2004-2007

Canadian Institutes of Health Research:

Equipment grant (K. Turksen, PI). 2004

Ontario Mental Health Foundation:

Operating Grant (Dr. M Tiberi, PI; K. Turksen, co-PI). 2004-2006

March of Dimes of USA:

Epidermal permeability barrier: An animal model for premature babies.
Operating Grant (K. Turksen, PI). 2003-2006

Natural Sciences and Engineering Research Council of Canada:

Role of Calcium Sensing Receptor in Epithelial Differentiation.
Operating Grant (K. Turksen, PI). 1992-2006

Canadian Institutes of Health Research - GAP Grant:

Role of Claudin-6 in epidermal differentiation.
Operating Grant (K. Turksen, PI). 2002-2003

Canadian Institutes of Health Research- Proof of Principal:

Peptide Enhanced Drug Delivery
Operating Grant (K. Turksen, PI). 2002-2003

Bickell Foundation:

Use of transgenic mice to study tumorigenesis
Operating Grant (**K. Turksen, PI**). 2002-2003

Procter and Gamble -International Program for Animal Alternatives, USA:

Cellular and Molecular Analysis of Hair Follicle Stem Cells in vitro.
Operating Grant (**K. Turksen, PI**). 1999-2001

Medical Research Council of Canada:

Analysis of epidermal cell lineage: Use of an embryonic stem cell culture model.
Operating Grant (**K. Turksen, PI**). 1996-2002

Medical Research Council of Canada:

Equipment grant (**K. Turksen, PI**). 1999

Natural Sciences and Engineering Research Council of Canada:

Role of Calcium Sensing Receptor in Epithelial Differentiation.
Operating Grant (**K. Turksen, PI**). 1998-2002

Medical Research Council of Canada:

Confocal Microscope.
Equipment grant (**K. Turksen, Co-applicant** for multi-user equipment). 1996

Medical Research Council of Canada:

Equipment Grant (**K. Turksen, PI**). 1996

Bickell Foundation:

Epidermal Differentiation
Operating Grant (**K. Turksen, PI**). 1997-2008

PUBLICATIONS

H-FACTOR: 29

Thesis

K. Turksen. 1991. Analysis of the osteoblast lineage: Use of a cell culture model and monoclonal antibodies. Ph.D. Thesis, University of Toronto, Toronto, Ontario.

Refereed Research Work

Papers

1. **K. Turksen**, J.E. Aubin, V.I. Kalnins. Identification of a centriole associated protein by antibodies present in normal rabbit sera. **Nature.** 298: 763-765, 1982.
2. **K. Turksen**, M. Opas, J.E. Aubin, V.I. Kalnins. Microtubules, microfilaments and adhesion patterns in differentiating chick retinal pigment epithelial (RPE) cells in vitro. **Exp. Cell Res.** 147: 379-391, 1983.
3. S.D.J. Pena, M. Opas, **K. Turksen**, V.I. Kalnins, S. Carpenter. Immunocytochemical studies of intermediate filament aggregates and their relationship to microtubules in cultured skin fibroblasts with giant axonal neuropathy. **Eur. J. Cell Biol.** 31: 227-234, 1983.
4. **K. Turksen**, J.E. Aubin, J. Sodek, V.I. Kalnins. Changes in the distribution of laminin, fibronectin, type IV collagen and heparan sulphate proteoglycan during colony formation by chick retinal pigment epithelial cells in vitro. **Collagen Rel. Res.** 4: 412-426, 1984.
5. M. Opas, **K. Turksen**, V.I. Kalnins. Adhesiveness and distribution of vinculin and spectrin in retinal pigmented epithelial cells during growth and differentiation in vitro. **Developmental Biol.** 107: 269-280, 1985.
6. **K. Turksen**, J.E. Aubin, J. Sodek, V.I. Kalnins. Localization of laminin, type IV collagen, fibronectin and heparan sulfate proteoglycan in chick retinal pigment epithelium basement membrane during embryonic development. **J. Histochem. Cytochem.** 33: 665-671, 1985.
7. **K. Turksen**, J.E. Aubin, J. Sodek, V.I. Kalnins. On the components of Bruch's Membrane. **J. Histochem. Cytochem.** 34: 413, 1986.
8. M. Opas, **K. Turksen**, V.I. Kalnins. Effects of iodoacetic acid on the cytoskeleton and adhesiveness of retinal pigmented epithelial cells in vitro. **Invest. Ophthalmol. Vis. Sci.** 27: 1068-1074, 1986.
9. **K. Turksen**, V.I. Kalnins. The cytoskeleton of chick retinal pigment epithelial cells in situ. **Cell and Tissue Research.** 248: 95-101, 1987.
10. **K. Turksen**, M. Opas, V.I. Kalnins. Preliminary characterization of cell surface-ECM linkage complexes in cultures of retinal pigmented epithelial cells. **Exp. Cell Res.** 171: 259-264, 1987.
11. **K. Turksen**, J. Kanehisa, M. Opas, J.N.M. Heersche, J.E. Aubin. Adhesion patterns and cytoskeleton of rabbit osteoclasts on bone slices and glass substrata. **J. Bone and Mineral Res.** 3: 389-400, 1988.

12. **K. Turksen**, M. Opas, V.I. Kalnins. Cytoskeleton, adhesion patterns and extracellular matrix of fetal human retinal pigment epithelial cells in culture. **Ophthalmic Res.** 21: 56-66, 1989.
13. **K. Turksen**, A.E. Grigoriadis, J.N.M. Heersche, J.E. Aubin. Forskolin has biphasic effects on osteoprogenitor cell differentiation in vitro. **J. Cellular Physiology.** 142: 61-69, 1990.
14. J. Kanehisa, T. Yamasaka, S. Doi, H. Takeuchi, **K. Turksen**, J.N.M. Heersche, J.E. Aubin. The distribution of microfilaments and podosomes in rabbit osteoclasts on glass and on bone. **Bone.** 11: 287-293, 1990.
15. **K. Turksen**, J.E. Aubin. Positive and negative immunoselection for enrichment of two classes of osteoprogenitor cells. **J. Cell Biology.** 114: 373-384, 1991.
16. **K. Turksen**, Y. Choi, E. Fuchs. TGFalpha induces collagen degradation and cell migration in differentiating human epidermal raft cultures. **Molecular Biology of Cell (formerly Cell Regulation).** 2: 613-625, 1991.
17. **K. Turksen**, U. Bhargava, H. Moe, J.E. Aubin. Isolation of monoclonal antibodies recognizing rat bone-associated molecules in vitro and in vivo. **J. Histochem. Cytochem.** 40: 1339-1352, 1992.
18. **K. Turksen**, T. Kupper, L. Degenstein, I. Williams, E. Fuchs. IL-6: Insight to its function in skin by overexpression in transgenic mice. **Proc. Nat. Acad. Sci.** 89: 5068-5072, 1992.
19. **K. Turksen**[#], J. Cheng[#], Q.C. Yu, H. Schreiber, M. Teng, E. Fuchs. Cachexia and graft versus host disease type skin changes in keratin promoter driven TNFalpha transgenic mice. **Genes and Development.** 6: 1444-1456, 1992. [#]-co-first author
20. L.M. Taylor, **K. Turksen**, J.E. Aubin, J.N.M. Heersche. Osteoclast differentiation in co-cultures of a clonal chondrogenic cell line and mouse bone marrow cells. **Endocrinology.** 133: 2292-2300, 1993.
21. M.N. Teng, **K. Turksen**, C. Jacobs, E. Fuchs, H. Schreiber. Prevention of runting and cachexia by chimeric TNF-alpha-receptor-Fc protein. **Clin. Immunol. Immunopathol.** 69: 215-222, 1993.
22. C. Lloyd, **K. Turksen**, J. Cheng, Q.C. Yu, L. Degenstein, E. Fuchs. A keratin 14 knockout in mice: Insights into the function and regulation of the intermediate filament network in stratified squamous epithelia. **J. Cell Biology.** 129: 1329-1344. 1995.
23. J.E. Aubin, **K. Turksen**. Monoclonal antibodies as tools for studying the osteoblast lineage. **Microscopy Research and Technique.** 33: 128-140, 1996.

24. J.E. Aubin, U. Bhargava, A. Gupta, **K. Turksen**. Expression and regulation of Galectin-3 in rat osteoblastic cells. **J. Cellular Physiology**. 169: 468-480, 1996.
25. **K. Turksen** T-C. Troy. Epidermal Lineage. **Biochemistry and Cell Biology**. 76: 889-898, 1998.
26. T-C. Troy, **K. Turksen**. In vitro characteristics of early epidermal progenitors isolated from keratin 14 deficient mice: Insights into the role of keratin 17 in mouse keratinocytes. **J. Cellular Physiology**. 180: 409-421, 1999.
27. T-C. Troy **K. Turksen**. Epidermal Lineage. Embryonic Stem Cells- Protocols. **Methods in Molecular Biology**. Humana Press 185: 229-253, 2001.
28. T-C. Troy, **K. Turksen**. Embryonic Stem Cells as a Model to Study Hair Follicle Lineage. Embryonic Stem Cell Protocols. **Methods in Molecular Biology**. Humana Press 185: 255-260, 2001.
29. **K. Turksen**, T-C. Troy. Claudin 6: A novel tight junction molecule is developmentally regulated in mouse embryonic epithelium. **Developmental Dynamics**. 222: 292-300, 2001.
30. **K. Turksen**, T-C. Troy. Permeability barrier dysfunction in transgenic mice overexpressing Claudin 6. **Development**. 129: 1775-1784, 2002.
31. **K. Turksen**, T. Troy. Calcium sensing receptor: Insight to its function in skin by overexpression in transgenic mice. **Mechanisms of Development**. 120: 733-44, 2003.
32. T-C. Troy, R. Rahbar, B. Diker, **K. Turksen**. Immunolocalization in the epidermis. **Methods in Molecular Biology**. 289: 113-120, 2004.
33. T-C. Troy, R. M-K Cheung, **K. Turksen**. Epidermal cell analysis by RT-PCR. **Methods in Molecular Biology**. 289: 121-126, 2004.
34. **K. Turksen**. Revisiting the bulge. **Developmental Cell**. 6: 454-456, 2004
35. T-C. Troy, **K. Turksen**. Differentiation of embryonic stem cells into epidermal lineages in vitro. **Developmental Dynamics**. 232: 293-300, 2005.
36. T. Troy, R. Rahbar, A. Arabzadeh, R. Cheung, **K. Turksen**. Delayed epidermal permeability barrier formation and hair follicle aberrations in Inv-Cldn6 Mice. **Mechanisms of Development**. 122: 805-819, 2005.
37. **K. Turksen**, M. Rao. Issues in human embryonic stem cell biology. **Stem Cell Rev.** 1: 79-81, 2005.

38. T-C Troy, and **K. Turksen**. Derivation of epidermal colony-forming progenitors from embryonic stem cell cultures. **Methods in Molecular Biology**. 329: 93-104, 2006.
39. T-C. Troy, **K. Turksen**. Directing epidermal fate selection by a novel co-culture system. **Methods in Molecular Biology**. 329: 105-111, 2006.
40. **K. Turksen**, T-C. Troy. Human embryonic stem cells: Isolation, maintenance and differentiation. **Methods in Molecular Biology**. 331: 1-12, 2006.
41. A. Arabzadeh, T-C. Troy, **K. Turksen**. Role of the Cldn6 cytoplasmic tail domain in membrane targeting and epidermal differentiation in vivo. **Molecular and Cellular Biology**. 26: 5876-5887, 2007.
42. T-C. Troy, Y. Li, L. O'Malley, **K. Turksen**. The temporal and spatial expression of Claudins in epidermal development and the accelerated program of epidermal differentiation in K14-CaSR transgenic mice. **Gene Expression Patterns**. 7: 423-430, 2007.
43. T-C. Troy, **K. Turksen**. The targeted overexpression of a Cldn mutant in the epidermis of transgenic mice elicits striking epidermal and hair follicle abnormalities. **Molecular Biotechnology**. 36(2):166-74, 2007.
44. T-C. Troy, A. Arabzadeh, S. Yerlikaya, **K. Turksen**. Cldn expression in neonatal mouse epidermal tissues. **Cell and Tissue Research**. 330(2):381-8, 2007.
45. A. Arabzadeh, T-C. Troy, **K. Turksen**. The distribution pattern of Claudin tight junction proteins change in the progression of mouse skin tumorigenesis. **BMC Cancer**. 7:196, 2007.
46. A. Arabzadeh, T-C. Troy, **K. Turksen**. Single TPA application results in Cldn1 aberrations in the murine epidermis. **J. Investigative Dermatology**. 128(1):237-40, 2008.
47. T-C. Troy, A. Arabzadeh, A. Enikanolaiye, N. Lariviere **K. Turksen**. Immunohistochemistry on paraffin sections of mouse epidermis using fluorescent antibodies. **Journal of Visualized Experiments**. Jan 8;(11). pii: 552. doi: 10.3791/552, 2008
48. **K. Turksen**. Reviewing stem cells: a new day. **Stem Cell Rev.** 4(1):1, 2008.
49. **K. Turksen**. Stem Cell Reviews and Reports: Coming soon to a web site near you. **Stem Cell Rev.** 4(3):1, 2008.
50. **K. Turksen**. Springer featuring Stem Cell Reviews and Reports: Coming soon. **Stem Cell Rev.** 4(4):1, 2008.
51. **K. Turksen**. Stem cell blues. **Stem Cell Rev.** 5(2):1, 2008.

52. A. Arabzadeh T-C. Troy, **K. Turksen**. The temporal and spatial distribution pattern of the CaSR during epidermogenesis, acute injury and tumorigenesis. **Molecular Biotechnology**. 43(3):264-72, 2009.
53. T-C. Troy, A. Arabzadeh, N. Larivière, A. Enikanolaiye, **K. Turksen**. Dermatitis and aging-related barrier dysfunction in transgenic mice overexpressing an epidermal-targeted Claudin 6 tail deletion mutant. **PLoS One**. 4(11):e7814, 2009.
54. A. Enikanolaiye, N.Larivière T-C. Troy, A. Arabzadeh, E. Atasoy, **K. Turksen**. Transgenic mice overexpressing a tissue-specific Claudin mutant exhibit epidermal differentiation abnormalities and delayed epidermal maturation. **Disease Models and Mechanisms**. 3:167-180, 2010.
55. A. Jezierski, A. Gruslin, R. Tremblay, D. Ly, C Smith, **K. Turksen**, M. Sikorska, M. Bani. Probing stemness and neural commitment in human amniotic fluid cells. **Stem Stem Cell Rev**. 6: 199-214, 2010.
56. **K. Turksen**. Wasted salts and wasted bodies: new insight into the role of Claudin 7 in the kidney. **American J. Physiol-Renal Physiol**. [Epub 2009 Oct 28] 298(1):F22-3, 2010.
57. **K. Turksen**, T-C. Troy. Claudin is skin deep. **Current Topics in Membranes**. Vol. 65, 2011.
58. T-C. Troy, A. Arabzadeh, **K. Turksen**. Re-assessing K15 as an epidermal stem cell marker. **Stem Cell Rev**. 7(4):927-34, 2011.
59. T-C. Troy, **K. Turksen**. Using High-Throughput Immunoblotting to Identify Proteins Involved in the Differentiation of ES Cells along the Hair Follicle Lineage in Vitro. **Stem Cell Rev**. 7(4):1041-5, 2011.
60. **K. Turksen**. Claudins and Cancer Stem Cells **Stem Cell Rev**. 7(4):797-8, 2011.
61. **K. Turksen**, T-C. Troy. Junctions Gone Bad: Claudins and loss of the barrier in cancer, **BBA - Reviews on Cancer**. 1816(1):73-9, 2011.
62. M. Buchert, **K. Turksen**, F. Hollande. Methods to Examine Tight Junction Physiology in Cancer Stem Cells: TEER, Paracellular Permeability, and Dilution Potential Measurements. **Stem Cell Rev**. 8: 1030-1034,2012
63. V. Tropepe, **K.Turksen**. The ontogeny of somatic stem cells. **Stem Cell Rev**. 2012 Jun;8(2):548-50. PubMed PMID: 22529018.
- 64.**Turksen K**. Adult stem cells and cardiac regeneration. **Stem Cell Rev**. 2013 Oct;9(5):537-40. doi: 10.1007/s12015-013-9448-1. PubMed PMID: 23775698.

65. **Turksen K.** End of inevitability: programming and reprogramming. **Stem Cell Rev.** 2013 Aug;9(4):385-7. doi: 10.1007/s12015-013-9459-y. PubMed PMID: 23892888.

In preparation

66. T-C. Troy, **K. Turksen.** Analysis of Signaling Molecules Involved in the Differentiation of ES Cells along the Hair Follicle Lineage in Vitro. **Stem Cell Rev.** In revision, 2013.

67. T-C. Troy, A. Arabzadeh, **K. Turksen.** Tailless Claudin-6 overexpressing transgenic mouse skin is resistant to tumorigenesis: The role of mast cells. To be submitted to **Cancer Research.**

68. **K. Turksen,** T-C. Troy. Claudins rise to the surface. To be submitted to **Clinical Science.**

Book Chapters

1. J.E. Aubin, C.G. Bellows, **K. Turksen,** F. Liu, J.N.M. Heersche. Analysis of osteoblast lineage and regulation of differentiation. In **Chemistry and Biology of Mineralized Tissues.** H. S. Lavkin and P. Price (Eds), Elsevier Sci. Pub. New York, p.267-276, 1992.

2. J.E. Aubin, J.N.M. Heersche, J. Kanehisa, A. Okuda, **K. Turksen,** M. Opas. Osteoclast adhesion: The microfilaments and podosomes. In **The Biological mechanisms of Tooth Movement and Craniofacial Adaptation.** Z. Davidovitch (Ed.). The Ohio State University Press., p97-104, 1992.

3. J.E. Aubin, **K. Turksen,** J.N.M. Heersche. Analysis of osteoblast lineage and regulation of differentiation. In **Molecular and Cellular Biology of Bone.** M. Noda (Ed.). Academic Press San Diego, p1-45, 1993.

5. **K. Turksen** and T-C. Troy. Skin Regeneration from Multi potent Adult and Embryonic Epidermal Stem Cells. In **Stem Cell and Gene-based Therapy: Frontiers in Regenerative Medicine.** edited by Prof. A. Battler, Prof. J. Leor. Springer-Verlag Ltd. (London). 2005.

EDITORIAL RESPONSIBILITIES

A. Editor in Chief, Journal - Stem Cell Rev.

(My responsibilities: screen submitted articles to determine their suitability for the journal. For those deemed suitable, I identify and select reviewers; oversee process and revisions and make final decisions on acceptance or not).

I have handled 954 manuscripts in this capacity.

B. Journals, Special Issues Edited

(My responsibilities: identify and select authors; review, oversee revisions and accept chapters)

K. Turksen (Ed). Cell Lineage. **Biochemistry and Cell Biology**. 1998.

K. Turksen and M. Rao (Eds). Embryonic Stem Cells. **Stem Cell Reviews**. 2005.

K. Turksen (Ed) Claudins. **Tissue Barriers**. 2013.

C. Books Edited

i. Methods in Molecular Biology Series

(My responsibilities: identify and select authors; review, oversee revisions and accept chapters; work with publisher on final book format, table of contents, indices, etc)

1. **K. Turksen** (Ed). **Embryonic Stem Cells Methods and Protocols**. Humana Press, New York, 2002.

2. **K. Turksen** (Ed). **Adult Stem Cells**. Humana Press, New York, 2004.

3. **K. Turksen** (Ed). **Epidermal cells: Methods and Protocols**. Humana Press, New York, 2004.

4. **K. Turksen** (Ed). **Embryonic Stem Cell Models-II: Methods and Protocols I-Isolation and Characterization**. Vol.329 Humana Press, New York, 2006.

5. **K. Turksen** (Ed). **Embryonic Stem Cell Models-II: Methods and Protocols II-Differentiation Models**. Vol.330 Humana Press, New York, 2006.

6. **K. Turksen** (Ed). **Human Embryonic Stem Cells: Methods and Protocols**. Vol.331 Humana Press, New York, 2006.

7. **K. Turksen** (Ed). **Epidermal cells: Methods and Protocols**. Springer, New York, 2010.

8. **K. Turksen** (Ed). **Human Embryonic Stem Cells: Methods and Protocols**. Springer, New York, 2010.

9. **K. Turksen** (Ed). **Claudins: Methods and Protocols**. Springer, New York, 2011,

10. K. Turksen (Ed). **Epithelial Permeability Barrier: Methods and Protocols.** Springer, New York, 2011.
11. P. Chen K. Turksen (Ed). **Planar Cell Polarity: Methods and Protocols.** Springer, New York, 2012.
12. K Turksen (Ed). **Human Embryonic Stem Cells Handbook.** Springer, New York, 2012.
13. A. Pebay, K. Turksen (Ed). **S1P: Methods and Protocols.** Springer, New York, 2012.
14. K. Turksen (Ed). **Skin Stem Cells: Methods and Protocols.** Springer, New York, 2013.
15. K. Turksen (Ed). **Stem Cells and Aging: Methods and Protocols.** Springer, New York, 2013.
16. K. Turksen (Ed). **Stem Cells Niche: Methods and Protocols.** Springer, New York, 2013.
17. K. Turksen (Ed). **Imaging and Tracking Stem Cells: Methods and Protocols.** Springer, New York, 2013.
18. K. Turksen (Ed). **Nanotechnologies in Stem Cells : Methods and Protocols.** Springer, New York, 2013.
19. Gordana Vunjak-Novakovic, K. Turksen (Ed). **Biomimetics and Stem Cells: Methods and Protocols.** Springer, New York, 2013, In Press.
20. K. Turksen (Ed). **Epidermal Cells: Methods and Protocols.** Springer, New York, 2013, In preparation.
21. K. Turksen (Ed). **Human Embryonic Stem Cells: Methods and Protocols.** Springer, New York, 2013, In preparation.
22. K. Turksen (Ed). **Stem Cells and Good Manufacturing Practices.** Springer, New York, 2013, In preparation.
23. K. Turksen (Ed). **Stem Cell Renewal and Cell Cell Communications.** Springer, New York, 2013, In preparation.

ii. Stem Cell and Regenerative Medicine Series

(My responsibility: To select guest editors, or be the editor with responsibilities as above)

1. **K.V. Rajasekhar** (Ed). Regulatory Networks in Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2009, ISBN 978-1-60327-226-1.
2. **J. Domínguez-Bendala** (Ed). Pancreatic Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2009, ISBN 978-1-60761-131-8.
3. **D. Zipori** (Ed). Biology of Stem Cells and the Molecular Basis of the Stem State. **Stem Cell Biology and Regenerative Medicine Series**. 2009, ISBN 978-1-60761-129-5.
4. **M. Kondo** (Ed). Hematopoietic Stem Cell Biology. **Stem Cell Biology and Regenerative Medicine Series**. 2010, ISBN 978-1-61779-672-2.
5. **S. Efrat** (Ed). Stem Cell Therapy for Diabetes. **Stem Cell Biology and Regenerative Medicine Series**. 2010, ISBN 978-1-61779-669-2.
6. **M. Rojas** (Ed). Stem Cells in the Respiratory System. **Stem Cell Biology and Regenerative Medicine Series**. 2010, ISBN 978-1-60761-774-7.
7. **K. Appasani, R.K. Appasani** (Eds). Stem Cells & Regenerative Medicine From Molecular Embryology to Tissue Engineering **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-60761-859-1.
8. **C.S. Cox, Jr** (Ed). Progenitor Cell Therapy for Neurological Injury. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-60761-964-2.
9. **K.E. Orwig, B.P. Hermann** (Eds). Male Germline Stem Cells: Developmental and Regenerative Potential **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-61737-972-7.
10. **K. Hug, G. Hermerén** (Eds). Translational Stem Cell Research Issues Beyond the Debate on the Moral Status of the Human Embryo. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-60761-958-1.
11. **D.G. Phinney** (Ed). Adult Stem Cells Biology and Methods of Analysis. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-61779-001-0.
12. **A.L. Allan** (Ed). Cancer Stem Cells in Solid Tumors. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-61779-245-8.
13. **I.S. Cohen, G.R. Gaudette** (Eds). Regenerating the Heart Stem Cell Biology and Regenerative Medicine. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-61779-020-1,

14. **H.S. Bernstein** (Ed). Tissue Engineering in Regenerative Medicine. **Stem Cell Biology and Regenerative Medicine Series**. 2011, ISBN 978-1-61779-321-9.
15. **D.S. Allan, D. Strunk** (Eds). Regenerative Therapy Using Blood-Derived Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2012, ISBN 978-1-61779-470-4.
16. **M. Amit J. Itskovitz-Eldor** (Eds). Atlas of Human Pluripotent Stem Cells Derivation and Culturing. **Stem Cell Biology and Regenerative Medicine Series**. 2012, ISBN 978-1-61779-547-3.
17. **K. Turksen** (Ed). Adult and Embryonic Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2012, ISBN 978-1-61779-629-6.
18. **H. Moore** (Ed). Culture of Human Embryonic Stem Cells Methods and Techniques **Stem Cell Biology and Regenerative Medicine Series**. 2012, ISBN 978-1-60327-539-2.
19. **J. Ainscough, S. Yamanaka, T. Tada** (Eds). Nuclear Reprogramming and Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2012, ISBN 978-1-61779-224-3.
20. **Turksen, Kursad** (Ed.) Adult and Embryonic Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2012.
21. **Baharvand, Hossein; Aghdami, Nasser** (Eds.). Advances in Stem Cell Research. **Stem Cell Biology and Regenerative Medicine Series**. 2012.
22. **Rao, Mahendra S.; Carpenter, Melissa; Vemuri, Mohan C.** (Eds.). Neural Development and Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2012.
23. **Baharvand, Hossein; Aghdami, Nasser** (Eds.) Regenerative Medicine and Cell Therapy. **Stem Cell Biology and Regenerative Medicine Series**. 2013.
24. **St. John, Justin C.** (Ed.). Mitochondrial DNA, Mitochondria, Disease and Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2013.
25. **Fairchild, Paul J.** (Ed.). The Immunological Barriers to Regenerative Medicine. **Stem Cell Biology and Regenerative Medicine Series**. 2013
26. **Tsang, Stephen** (Ed.). Stem Cell Biology and Regenerative Medicine in Ophthalmology. **Stem Cell Biology and Regenerative Medicine Series**. 2013
27. **Chase, Lucas G.; Vemuri, Mohan C** (Eds.). Mesenchymal Stem Cell Therapy. **Stem Cell Biology and Regenerative Medicine Series**. 2013.

28. **Hematti, Peiman; Keating, Armand** (Eds.). Mesenchymal Stromal Cells Biology and Clinical Applications. **Stem Cell Biology and Regenerative Medicine Series**. 2013.
29. **Turksen, Kursad** (Ed.). Stem Cells: Current Challenges and New Directions. **Stem Cell Biology and Regenerative Medicine Series**. 2013.
30. **Boelens, Jaap Jan; Wynn, Robert** (Eds.). Stem Cell Therapy in Lysosomal Storage Diseases. **Stem Cell Biology and Regenerative Medicine Series**. 2013.
31. **Turksen, Kursad** (Ed.) Adult Stem Cells. **Stem Cell Biology and Regenerative Medicine Series**. 2014.
32. **Junier, Marie-Pierre; Kernie, Steven G.** (Eds.) Endogenous Stem Cell-Based Brain Remodeling in Mammals. **Stem Cell Biology and Regenerative Medicine Series**. 2014.
33. **Brevini, Tiziana A.L.** (Ed.). Stem Cells in Animal Species: From Pre-clinic to Biodiversity. **Stem Cell Biology and Regenerative Medicine Series**. 2014.
34. **Turksen, Kursad** (Ed.) 2014 Stem Cell Niche. **Stem Cell Biology and Regenerative Medicine Series**. 2014 In Preparation.

D. Ad hoc manuscript reviewing

Development, Mechanisms of Development, Stem Cells, Stem Cells and Development, Stem Cell Reviews and Reports, Cancer Research, Journal of Biological Chemistry, Journal of Cell Science, Essays in Biochemistry, American Journal of Physiology-Renal Physiology, Developmental Dynamics, American Journal of Pathology, Biochim. Biophys. Acta - Membrane, Tissue Engineering, J. of Tissue Engineering, Cell and Tissue Research, Journal of Proteome Research, Journal of Cellular Physiology, Molecular Biotechnology, Turkish J. of Hematology, British J. of Dermatology, Journal of Investigative Dermatology, Drug Discovery Today, Cellular and Molecular Life Sciences FEBS Letters, Cell Biology and Biochemistry, Histochem. Journal, Journal of Bone and Mineral Research, Journal of Histochem. and Cytochem., Journal of Cellular and Molecular Medicine, Journal of Biosciences, Archives of Dermatological Research

COMMITTEES

International Committees:

Chair, Organizing Committee, Stem Cell Conference, Crete, Greece. Sept 6-11, 2012.

Member, External Advisory Committee, **Stem Cell Institute, Ankara University, Ankara, Turkey**. 2010-

Member [in my capacity as the Editor-in-Chief of **Stem Cell Reviews and Reports**], Committee on Publication Ethics (COPE). 2008-

Institute Committees:

Current:

Chair, Seminar Series Committee, Ottawa Health Research Institute. 2004-2011

Vice-Chair, Animal Care Committee, Ottawa Health Research Institute. 2007-2011

Past:

Member, Animal Care Committee, Ottawa Health Research Institute.

Member, Distinguish Professors Seminar Committee, Ottawa Health Research Institute.

Coordinator, Loeb Center Seminar Series, Ottawa Health Research Institute.

Member, Stem Cell Center Recruitment Committee, Ottawa Health Research Institute.

University of Ottawa Committees:

Member, Graduate Studies Committee,

Department of Cellular and Molecular Medicine, Univ. of Ottawa. 2001-2011.

GRANTS PANELS/GRANT REVIEWING

A. Grants panels:

Member, CFI Leaders Opportunity Fund Advisory Committee, 2010-2011.

Member, Ontario Graduate Scholarship Selection Committee, 2010-2011.

Member, Canadian Institutes of Health Research, Molecular Biology and Biochemistry A Panel, 2003

Scientific Officer, Canadian Institutes of Health Research, Proof of Principal Review Panel, 2003-2004

B. External ad hoc reviewer:

Canada Research Chairs, Canadian Foundation for Innovation, United States-Israel Binational Science [Israel], The Wellcome Trust [UK], MRC Career Development Award [U.K], Foundation for Ichthyosis & Related Skin Types, Inc. [USA], Katholieke Universiteit Leuven Research Foundation [Belgium], Canadian Institutes of Health Research, North Carolina Biotechnology Center [USA], NSERC, Sick Kids Hospital Foundation, , National Institute of

Health [USA], Medical Research Council of Canada; The Ontario Mental Health Foundation, , Arthritis Society.

MEMBERSHIPS AND PROFESSIONAL SOCIETIES

International Society for Stem Cell Research.
American Society for Cell Biology.
American Association for Cancer Research.
Society for Investigative Dermatology.
Society for Developmental Biology.
American Association for Anatomists.

INVITED TALKS

1. Department of Anatomy (Histology), University of Toronto, April, 1981.
2. MRC Group in Periodontal Physiology, University of Toronto, October, 1981.
3. MRC Group in Periodontal Physiology, University of Toronto, January, 1985.
4. Dept. of Oral Biol., Faculty of Dentistry, University of Toronto, April, 1987.
5. MRC Group in Periodontal Physiology, University of Toronto, November, 1987.
6. MRC Group in Periodontal Physiology, University of Toronto, April, 1988.
7. Dept. of Oral Biol., Faculty of Dentistry, University of Toronto, November, 1988.
8. MRC Group in Periodontal Physiology, University of Toronto, September, 1989.
9. Howard Hughes Medical Institute, University of Chicago, December, 6, 1989.
10. Dana Farber Cancer Res. Institute, Harvard University, December, 1989
11. Dept. of Oral Biol., University of Toronto, January, 22, 1990.
12. Department of Anatomy, University of Toronto, May, 3, 1990.
13. Department of Anatomy, University of Toronto, Sept., 14, 1992.
14. Loeb Medical Research Institute, University of Ottawa, May, 25, 1993.
15. Sunnybrook Health Center, University of Toronto, May 19, 1994.
16. Department of Anatomy, University of Ottawa, December, 13, 1995.
17. Oncology Institute, Dokuz Eylul University, June, 25, 1998
18. Department of Plastic Surgery, Dokuz Eylul University, June, 25, 1998.
19. Department of Molecular Biology, Dokuz Eylul University, June, 27, 1998.
20. Department of Hematology, Dokuz Eylul University, June, 27, 1998.
21. Vienna Biocenter , University of Vienna, June, 31, 1998.
22. Loeb Health Research Institute, University of Ottawa, October 19, 1998.
23. Proctor and Gamble Co. , Miami Valley Labs., November 11, 1998.
24. Dept. of Medicine-Dermatology, Ottawa Hospital, January 21, 1999.
25. Proctor and Gamble Co. Miami Valley Labs., August 23, 2000.
26. Proctor and Gamble Co. Miami Valley Labs., July 28, 2001.
27. Dept. of Obst. Gynol., Fukui University, Nov., 23, 2001.
28. Department of Science, Heritage College, March 28, 2002.
29. Tokai Center, Copenhagen June 26, 2002.

30. L'Oreal/Galderma, Nice, France July 2, 2002.
31. Dept of Cell Biology, University of Northwestern, May 18, 2004.
32. Tokai Cente, Copenhagen, July 26, 2004.
33. Dept. of Cell Biology, Anatomy, Univ. of Western Ontario, March 18 2005.
34. Gordon Conference-Epithelialization, Il Ciocco, Barga, Italy, June 1, 2005.
35. Nat. Hematology Congress, 32nd Lara Kervansaray, Antalya, Nov. 8, 2006.
36. Int. Biotechnology Symposium 5th, Ankara, Turkey,. November 15, 2006.
37. TUBA Stem Cell Symposium 3rd, Ankara, Turkey October, 5, 2007
38. Lake Shirakaba Conference, Tokai Center, Copenhagen October 30, 2007.
39. Dept. of Hematop. Stem Cells, Kyushu University, Fukuoka, Japan. March, 25, 2010.
40. Div. of Dermatology, Ottawa Hospital, Ottawa, Canada, May 27, 2010.
41. Dept. of Biochemistry, University of Alberta, June, 25, 2010.
42. Stem Cell Institute, Ankara University, September 27, 2010
43. 1st Inter. Stem Cell Symposium, Samsun Turkey Keynote Lecture Sep. 30, 2010.
44. Dept of Cellular Biology, Aegean University Izmir Turkey. Oct.4, 2010.
45. 2nd Inter. Forum on Stem Cells (IFSC), Tianjin, China. Nov.12, 2010.
46. Stem Cell Institute, Tsinghua University, Beijing, China Nov., 15, 2010.
47. Principe Felipe Research Centre (CIPF) Valencia, Spain, Apr. 10, 2011.
48. Danish Stem Cell Institute, Odense University Hosp., Odense Denmark, May 2, 2011
49. Canada-China Bilateral Stem Cell Meeting, Ottawa, Canada, June 14, 2011
- 50.14th. International Blood-Brain-Barrier Symposia, Istanbul, Turkey. 7-9 Sept., 2011,
51. 1st International Stem Cell Symposia, Sapanca, Turkey Sept. 28- 02 Oct. , 2011
52. Department of Dentistry, University of Alberta, October, 6, 2010.
53. Cancer Stem Cells Workshop, Aegean University, Izmir, Turkey, April, 2012.
54. Integ. Regenerative Med (IGEN) Ctr., Linkoping Univ., Sweden, April,2012.
55. Samuel Lunenfeld Research Institute Mount Sinai Hospital, May, 2012.

SUPERVISION OF RESEARCH TRAINEES

Postdoctoral Fellows:

- | | |
|--------------------------|------------------------------------------------------|
| Dr. Silvia Socorro. | Role of Claudin-6 in epidermal differentiation. 2001 |
| Dr. Shashikala Chaudhary | Characterization of epidermal stem cells. 2004 |

Ph.D. Students:

- | | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ms. Azadeh Arabzadeh | Ph.D. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: Role of Claudins in tumorigenesis . 2005-2009. Defended July 2008. |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Ms. Nathalie Lariviere, Ph.D. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Elucidating Claudin-6 cytoplasmic tail and FIZ-1 interaction.** 2009-

Ms. Adebola Enikanolaiye Ph.D. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **The role of FIZ1 in epidermal permeability barrier formation an function** 2009-

M.Sc. Students:

Mr. Ramtin Rahbar M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Regulation of hair follicle formation.** 2003-2004, **Defended** January 2004.

Ms. Claire Yuhua Li M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Role of Calcium Sensing Receptor in epidermal differentiation.** 2005-2006, **Defended** September 2006.

Ms. Azadeh Arabzadeh M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Role of tail deletion mutant of Claudin 6 in epidermal differentiation.** 2004-2005 **Transferred to Ph.D.,** 2006

Ms. Elif Atasoy M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Role of Claudin in Calcium Sensing in epidermal differentiation; transgenic mice approach.** 2005-2006. **Defended** January 2007.

Ms. Nathalie Lariviere, M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Elucidating Claudin-6 cytoplasmic tail and FIZ-1 interaction.** 2007-2008 **Transferred to Ph.D.,** 2009.

Ms. Adebola Enikanolaiye M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Elucidating Claudin-6 cytoplasmic tail and filamin A interaction.** 2007-2008 **Transferred to Ph.D.,** 2009

Mr. Majed Muhammed M.Sc. candidate, Dept. of Molecular and Cellular Medicine, University of Ottawa. Thesis: **Heat shock Proteins, Aging and Permeability Barrier.** 2010-

Mr. Mahmut Parmaksiz M.Sc. candidate Stem Cell Institute, Ankara University, Ankara Turkey. Thesis: **Role of Mesenchymal stem cells in wound healing**. Co-supervisor 2011-2013.

STUDENT SUPERVISORY COMMITTEES

Mr. Pierre Archambault - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Yvonne Lefebvre), (1996-1997).

Mr. Christopher W. Brown - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M.A. Akimenko), (1996-1998).

Ms. Nadine Wiper - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Robert Hache), (1998-2000).

Ms. Ann Nguyen. - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Alexander Sorisky), (2000-2001).

Mr. Kayvan Abaiian - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Alexander Sorisky), (2000-2001).

Mr. Ziyad Chaar - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2000-2001).

Mr. Bo Cui - Ph.D. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Robert Hache), (2000-2004).

Ms. Nadine Wiper – Ph.D. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Robert Hache), (2000-2004).

Mr. Mohammad Abdul-Ghani - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Johnny Ngsee), (2001-2003).

Ms. Zhang, Dongling – M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2002-2004).

Mr. Daniel MacDonald – M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Rose Goldstein), (2003-2005).

Ms. Honorata Zurakowski - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Alexander Sorisky), (2003-2005).

Mr. Darren Hutt – Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Johnny Ngsee), (2004-2005).

Mr. Pavel Milman - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. M. Mbikay), (2004-2005).

Mr. Hassan Gorji - M. Sc. candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2004-2006).

Mr. Noel Ghanem – Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M. Ekker), (2001-2006).

Mr. Tamer Esmail - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Max Hincke), (2005-2006).

Mr. Colin Foster-Hunt - M. Sc. candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. David Lohnes), (2004-2006).

Ms. Olga Jarinova - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M. Ekker), (2001-2007).

Ms. Amanda Smith - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M.A. Akimenko), (2000-2007).

Ms. Alina Tartia – Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2003-2008).

Ms. Amélie Pelland – M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2005- 2008).

Mr. Feras Ghazawi - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Qiao Li), (2006-2008).

Ms. Tiffany Richards- M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2006-2008).

Mr. Lihua Wen - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Ben Tsang), (2007-2008).

Ms. Xiaodi Yang - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2007-2009).

Ms. Kristy Lalonde - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2007-2010).

Mr. Jean-Philippe D'Aoust- M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2007-2009).

Mr. Vincent Laquerre - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2008-2009).

Mr. Arjeta Gusinjac - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. Alexander Sorisky), (2008-2009).

Ms. Dominique Yelle - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Duncan Stewart), (2008-2010).

Ms. Roya Shaji - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Chris Kennedy), (2008-2010).

Ms. Aliaa Higazi - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Dr. Qiao Li), (2006-2010).

Ms. Qi Wang - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Dr. Ben Tsang), (2007-).

Ms. Hannah Corbett - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2008-).

Mr. Michael Woo - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Ben Tsang), (2008-).

Mr. Ahmed Ali - Ph.D. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Ben Tsang), (2008-).

Ms. Camilia Thieba - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Marjorie Brand), (2010-).

EXTERNAL EXAMINER FOR PH.D. THESIS

Ms. Helen Coe, Ph.D. Candidate, Structure function analysis of Calreticulin Departments of Pediatrics, School of Molecular and Systems Medicine, University of Alberta, May 12, 2010.

Ms. Thi Hoang Lan Dang, PhD Candidate, The role of Zfhx1b in mouse neural stem cell development Department of Cell and Systems Biology, University of Toronto, February, 3, 2012.

STUDENT THESIS DEFENCE COMMITTEES

Chair

Mr. Matthew Simpson - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. R. Slack), (2001).

Ms. Carmen Cheung - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. B. Tsang), (2005).

Mr. Michael Greene - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. J. DeSilva), (2006).

Ms. Binhui Liang - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. F. Leenen), (2008).

Member

Mr. S. Brown - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry (Supervisor: Dr. M. McBurney), (1997).

Mr. German Poleo - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M.A. Akimenko), (1998).

Ms. Karen Phillips - Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Jay Baltz), (2001).

Mr. Mohammad Abdul-Ghani - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Johnny Ngsee), (2003).

Ms. Zhang, Dongling - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2004).

Ms. Arezu Jahani-Asl - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Ben Tsang), (2004).

Ms. Mary Ann Petrunewich - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2004).

Ms. Lisa Vandermeer - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Barbara Vanderhyden), (2004).

Ms. Ling Wang - M.Sc. candidate, Faculty of Medicine, Dept. of Biochemistry Microbiology and Immunology (Supervisor: Dr. J. Liu), (2005).

Mr. Purushothama Nanjappa - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Marc Ekker), (2006).

Ms. Marie-Eve Beauchemin-Turcotte - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Richard Bergeron), (2006).

Mr. Hassan Gorji - M. Sc. Candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2006).

Ms. Nirmala Rudraraju - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Jay Baltz), (2007).

Mr. Colin Foster-Hunt - M. Sc. candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. David Lohnes), (2007).

Ms. Wafae Bakkar - M. Sc. candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Richard Bergeron), (2007).

Ms. Purva Wagh - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M.A. Akimenko), (2008).

Ms. Amelie Pelland - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. J. Baltz), (2008).

Ms. Lunde Huang - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. M. Sonnenfeld), (2008).

Mr. Keyvan Sedaghat – Ph.D. Candidate - Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2008).

Ms. Xiaodi Yang - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2009).

Mr. Vincent Laquerre - M.Sc. candidate, Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2010)

PH.D. COMPERHENSIVE EXAMS

Ms. Nadine Wiper. Faculty of Medicine, Dept. of Biochemistry Microbiology and Immunology (Supervisor: Dr. Robert Haché), (2000).

Ms. Karen Phillips. Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Jay Baltz), (2000).

Mr. Bo Cui. Faculty of Medicine, Dept. of Biochemistry Microbiology and Immunology (Supervisor: Dr. Robert Hache), (2001).

Mr. Steven Sperber. Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Marc Ekker), (2003).

Mr. Jeff Ishibashi. Faculty of Medicine, Dept. of Cellular Molecular Medicine (Supervisor: Dr. Michael Rudnicki), (2003).

Mr. Darren Hutt. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Johnny Ngsee), (2004).

Ms. Tanya Shaw. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Barbara Vanderhyden), (2004).

Mr. Keyvan Sedaghat. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2007).

Mr. Mohammad Abedeni. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Ben Tsang), (2007).

Mr. Man Yu. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Marc Ekker), (2008).

Ms. Bianca Plouffe. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Mario Tiberi), (2008).

Ms X. Sun. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Margaret Sonnenfeld), (2008).

Mr. Andrew Jones. Faculty of Medicine, Dept. of Cellular and Molecular Medicine (Supervisor: Dr. Michael Rudnicki), (2010).

TEACHING EXPERIENCE

Course Coordinator

2001- Course Coordinator **Introduction to Developmental Biology. CMM 5304** Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa

2006- Course Coordinator **Cell Polarity and Differentiation. CMM 8304** Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa

Lecturer

2010

Lecturer (3hr) Stem Cells in Development, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

Facilitator and Evaluator (36hr) Directed Studies on Cell Polarity and Differentiation. CMM 8304 Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Facilitate and evaluation of student presentations).

2009

Lecturer (3 hr) Embryonic Stem Cells in Developmental Neuroscience, NSC 8103, (Dr. R. Slack) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

2008

Lecturer (3hr) Stem Cells in Development, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

2007:

Lecturer (3 hr) Embryonic Stem Cells in Developmental Neuroscience, NSC 8103, (Dr. R. Slack) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

Lecturer (3hr) Stem Cells in Development, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

2006:

Facilitator and Evaluator (36hr) Directed Studies on Cell Polarity and Differentiation. CMM 8304 Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Facilitate and evaluation of student presentations).

Lecturer (3 hr) Embryonic Stem Cells in Molecular Biology of the Neuron, NSC 8105, (Dr. M. Tiberi) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

Lecturer (3hr) Stem Cells in Development, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

2005:

Lecturer (6 hr) Keratins and Skin Disease In Molecular Biology of Diseases BMI 8504). (Dr. J. Bell) Faculty of Medicine, Dept. of Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations).

Lecturer (3hr) Epidermal Lineage, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

Lecturer (3 hr) Embryonic Stem Cells in Developmental Neuroscience, NSC 8103, (Dr. R. Slack) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

2004:

Lecturer (3hr) Cytoskeleton and Cancer, in Molecular Pharmacology, CMM 8112, (Dr. P. Alberts) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

Lecturer (3hr) Cytoskeleton, In Introduction to Developmental Biology CMM 5304, (Dr. K. Turksen) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student exam).

Lecturer (6 hr) Use of Embryonic Stem Cells, Knock Out and Transgenic mice in Neurobiology in Molecular Biology of the Neuron, CMM 8105, (Dr. M. Tiberi) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations)

Lecturer (6 hr) Keratins and Skin Disease In Molecular Biology of Diseases BMI 8504). (Dr. J. Bell) Faculty of Medicine, Dept. of Biochemistry, Microbiology and Immunology, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations).

2002:

Lecturer (6 hr) Use of Embryonic Stem Cells, Knock Out and Transgenic mice in Neurobiology in Molecular Biology of the Neuron, CMM 8105, (Dr. M. Tiberi) Faculty of

Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations)

Lecturer (6 hr) Mesenchymal Epithelial Interaction during Development in Cell Growth and Developmental Biology, CMM 8104 (Dr. C. Pratt), Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations).

2001:

Lecturer (3hr) Cytoskeleton and Cancer, in Molecular Pharmacology, CMM 8112, (Dr. P. Alberts) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations).

Lecturer (3 hr) Epidermal Stem Cells and Skin Formation during Development in Cell Growth and Developmental Biology, CMM 5204 (Dr. C. Pratt), Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations).

2000:

Course Co-Organizer and Lecturer in Differentiation and Morphogenesis, CMM 8103, (with Drs. M.A. Akimenko, M. Ekker) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa.

1999:

Course Co-Organizer and Lecturer in Differentiation and Morphogenesis, CMM 8103, (with Drs. M.A. Akimenko, M. Ekker) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa.

Lecturer (3 hr) Epithelial-Mesenchymal Interactions During Development in Cell Growth and Developmental Biology, CMM 5204, Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations).

1998:

Course Co-Organizer and Lecturer in Topics in Cell and Developmental Biology, ANA 5202, (with Drs. M.A. Akimenko, M. Ekker, W.Stains, M.Tiberi) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa.

Lecturer (3hr) Cytoskeleton, in Molecular Pharmacology, CMM8112, (Dr. P.Alberts) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa. (Lecture and evaluation of student presentations)

Lecturer (12hr) Integrin Signaling and Cytoskeleton, in Cell Regulation, BCM 8104, (Dr. D. Franks), Faculty of Medicine, Dept. of Biochemistry, University of Ottawa, Ottawa. (Lectures and evaluation of student presentations)

1997:

Tutor, Problem Based Learning, (24hr) Endocrinology Block, Faculty of Medicine, University of Ottawa, Ottawa.

Course Co-Organizer and Lecturer in Differentiation and Morphogenesis, ANA 8102, (with Drs. M.A. Akimenko, M. Ekker, W.Stains, M.Tiberi) Faculty of Medicine, Dept. of Cellular and Molecular Medicine, University of Ottawa, Ottawa.