

CURRICULUM VITAE

A. GENERAL INFORMATION

1. **Elita Partosoedarso**
- 2000 Simcoe St North, Oshawa ON L1H 7K4
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- elita.partosoedarso@uoit.ca
2. **DEGREES - DESIGNATION, INSTITUTION, DEPARTMENT, YEAR**
PhD, University of Adelaide, Adelaide, South Australia, Department of Medicine, 1999
Title of Dissertation: An Electrophysiological Study of Vagal Reflex Pathways Activated by Upper Gastrointestinal Stimuli.
Supervisor: Dr. L.A. Blackshaw, PhD
Area of Specialization: neuro-gastroenterology and pharmacology

Masters of Education (MEd), UOIT, Faculty of Education, 2012
Title of Project: "Impact of Clicker Use in a Large Content Dense Undergraduate Class."
Supervisor: Dr. Lorayne Robertson, PhD
Area of Specialization: Digital Technologies

Bachelor of Science (Honours) Class IIA1, University of Adelaide, Department of Obstetrics & Gynaecology, 1993
Title of Thesis: The Role of Indoleamine-2,3-dioxygenase (IDO) in the Metabolism of Tryptophan and Melatonin.
Supervisor: Dr. Dave Kennaway, PhD

Bachelor of Science Ordinary Degree, University of Adelaide, Department of Sciences, 1992
Majors: Pharmacology and Microbiology & Immunology
3. **EMPLOYMENT HISTORY – DATES, RANK/POSITION, DEPARTMENT, INSTITUTION**

7/13-now	Teaching Faculty (Lecturer), Faculty of Health Sciences, UOIT, Oshawa ON.
8/13-now	Assistant Professor, Undergraduate studies, CMCC, Toronto, ON. (Workload: 13.79%)
4/11-6/13	Guest Instructor, Undergraduate studies, CMCC, Toronto, ON.
9/06-6/12	Sessional Instructor, Faculty of Health Sciences, UOIT, Oshawa ON Canada.
7/03-5/06	Scientist (permanent), Holburn Biomedical Corporation, Bowmanville, ON.
2/02-6/03	Associate Professor (non-tenure), Department of Pharmacology and Experimental Therapeutics, LSU, New Orleans, Louisiana.
11/99-2/02	Post-doctoral research fellow (contract), Department of Pharmacology and Experimental Therapeutics, LSU, New Orleans, Louisiana
10/98-11/99	Post-doctoral research fellow (contract), Nerve-Gut Research Laboratory, Royal Adelaide Hospital, Adelaide, South Australia

B. RESEARCH

6. (i) **CURRENT RESEARCH INTERESTS**
Use of technology and ICT in university.

(ii) **RESEARCH AWARDS**

- 2012 Purchase of 3D animation software from Mobile funds as a result of a Teaching Innovation Fund (TIF) application for a proposal entitled “The Biodigital Human @UOIT: Using 3D Imaging and Animation Software as an Active Learning Strategy in a Large Second Year Health Course”
- 2012 2nd Prize for Oral Presentation, Graduate Student Conference, Oshawa, ON
- 2012 Graduate Student Council Travel grant, UOIT, ON

C. SCHOLARLY AND PROFESSIONAL WORK

Refereed publications

- i. DiGiuseppe, M., **Partosoedarso, E.** (2014) Assessing the Purpose and Importance University Students Attribute to Current ICT Applications. Proceedings of the IADIS International Conference e-Learning, Lisbon, Portugal. Presented July 15-18, 2014.
- ii. **Partosoedarso, E.** & Robertson, L. (2012) The impact of audience response systems when used in combination with pedagogical strategy in a large introductory human physiology course. EduLearn12 proceedings: 6551-6559. Retrieve at <http://library.iated.org/view/PARTOSOEDARSO2012IMP>.
- iii. DiGiuseppe, M., **Partosoedarso, E.**, vanOostveen, R., Desjardins, D. (2013) Exploring University Students' Use of ICT. World Conference on Educational Multimedia, Hypermedia and Telecommunications, 2013, 1(1): 976–981, 2013. Presented June 26, 2013 at EdMedia, Victoria, BC. Retrieve abstract at <http://www.editlib.org/p/112078/>.
- iv. DiGiuseppe, M., **Partosoedarso, E.**, vanOostveen, R., Desjardins, D. (2013) Exploring Competency Development with Mobile Devices. Proceedings of the IADIS International Conference e-Learning. Edited by Miguel Baptista Nunes and Maggie McPherson. ISBN (Book): 978-972-8939-88-5. Presented July 23-26, 2013 at IADIS e-Learning, Prague, Czech Republic.
- v. Cao X, Ball AJ, **Partosoedarso ER**, Burmeister MA, Hornby PJ. Functional effects and characteristics of cecum-projecting neurons in the dorsal motor nucleus of the vagus of rats. Auton Neurosci. 131 (1-2):1-8, 2007. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/16950660>
- vi. Stead RH, Colley EC, Wang B, **Partosoedarso E**, Lin J, Stanis A, Hillsley K. Vagal influences over mast cells. Auton Neurosci. 125(1-2):53-61, 2006. Review. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/16500155>
- vii. Monroe MJ, Hornby PJ, **Partosoedarso ER**. Central vagal stimulation evokes gastric volume changes in mice: a novel technique using a miniaturized barostat. Neurogastroenterol Motil. 16 (1):5-11, 2004. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/14764200>
- viii. **Partosoedarso ER**, Abrahams TP, Scullion RT, Moerschbaeher JM, Hornby PJ. Cannabinoid1 receptor in the dorsal vagal complex modulates lower oesophageal sphincter relaxation in ferrets. J Physiol. 550 (1):149-58, 2003. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/12879865>
- ix. Hornby PJ, Abrahams TP, **Partosoedarso ER**. Central mechanisms of lower esophageal sphincter control. Gastroenterol Clin North Am. 31(4 Suppl):S11-20, v-vi, 2002. Review. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/12061915>
- x. Abrahams TP, **Partosoedarso ER**, Hornby PJ. Lower oesophageal sphincter relaxation evoked by stimulation of the dorsal motor nucleus of the vagus in ferrets. Neurogastroenterol Motil. 14 (3):295-304, 2002. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/11375956>

- xi. McDermott CM, Abrahams TP, **Partosoedarso** E, Hyland N, Ekstrand J, Monroe M, Hornby PJ. Site of action of GABA(B) receptor for vagal motor control of the lower esophageal sphincter in ferrets and rats. *Gastroenterology* 120 (7):1749-62, 2001.
- xii. **Partosoedarso** ER, Young RL, Blackshaw LA. GABA(B) receptors on vagal afferent pathways: peripheral and central inhibition. *Am J Physiol Gastrointest Liver Physiol.* 280 (4):G658-68, 2001. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/11254492>
- xiii. **Partosoedarso** ER, Blackshaw LA. Roles of central glutamate, acetylcholine and CGRP receptors in gastrointestinal afferent inputs to vagal preganglionic neurones. *Auton Neurosci.* Sep 1; 83(1-2):37-48, 2000. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/11023627>
- xiv. Blackshaw LA, Page AJ, **Partosoedarso** ER. Acute effects of capsaicin on gastrointestinal vagal afferents. *Neuroscience* 96 (2):407-16, 2000. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/10683581>
- xv. **Partosoedarso** ER, Blackshaw LA. Vagal efferent fibre responses to gastric and oesophageal mechanical and chemical stimuli in the ferret. *J Auton Nerv Syst.* 66 (3):169-78, 1997. Retrieve at <http://www.ncbi.nlm.nih.gov/pubmed/9406122>
- xvi. Blackshaw LA, **Partosoedarso** ER, Haupt JA, Dent J. A peripheral peptidergic mechanism for lower oesophageal sphincter relaxation in pathophysiological conditions. In: Singer G, ed. *Proceedings of Falk Symposium No.77 Gastrointestinal tract and endocrine system.* Lancaster: Kluwer, p. 293-304, 1994.

Abstracts

- i. **Partosoedarso, E.** & Robertson, L. (2012). Impact of clicker use in a large content-dense undergraduate course. Presented June 20, 2012. STLHE: Learning without boundaries conference. Montreal.
- ii. Nayer, R., **Partosoedarso, E.** (2012). Social media as an online Learning Management System as compared to WebCT. Presented June 20, 2012. STLHE: Learning without boundaries conference. Montreal.
- iii. **Partosoedarso, E.,** Chorney, D. (2011) Teaching Pharmacology and Health Assessment in an Online Environment Across 3 Campuses
- iv. Wang B, **Partosoedarso** E, Stanisz A, Whiteley J, Hillsley K, Stead RH (2005) Doxantrazole: A Mast Cell Stabilizer that Activates Mesenteric Afferent Nerves. *Gastroenterol.* 128(4) S2, A-617.
- v. **Partosoedarso** E, Peddle R, Boot C, Whiteley J, Colley EC, Stanisz A, Hillsley K, Stead RH (2005) Antigen-induced mesenteric nerve activation in rats does not occur until three weeks or more after infection with *Nippostrongylus brasiliensis* (Nb). *Gastroenterol.* 128(4) S2, A-499
- vi. Monroe, M.J. and **Partosoedarso, E.R.** (2003) Regulation Of Gastric Motility In Neuronal Nitric Oxide Synthase Deficient Mice Is Impaired. Submitted.
- vii. **Partosoedarso, E.R.,** Dinh, N.T., Moerschbaeche, J.M. (2003) Endocannabinoids can alter gastric volume via CB1 receptors in rats. *Neurogastroenterol. Motil.* 15:215.
- viii. Monroe, M.J., Hornby,P.J., Dinh, N.T., **Partosoedarso, E.R.** (2003) L-Glutamate microinjection into DMV can both increase and decrease gastric volume in mice. *Gastroenterology* 124: A670.
- ix. **Partosoedarso, E.R.,** Carolan,J., Paul, D., Hornby,P.J. (2002) Differential distribution of VGluT1 and VGluT2 in ferret hindbrain. 2002 Abstract Viewer/Itinerary Planner. Washington, DC: Society for Neuroscience, Online. Program No. 343.17.

- x. **Partosoedarso, E.R.**, Abrahams, TP, Moerschbaeche, J.M., Hornby, PJ. (2002) Cannabinoid CB1 receptors modulate gastric distention-evoked lower oesophageal sphincter relaxation in ferrets. *Gastroenterology* 122:A258
- xi. **Partosoedarso, E.R.**, Abrahams, T.P., Hornby, P.J. (2001) Involvement of GABAA receptors in the vagal motor control of the lower esophageal sphincter. *Neurogastroenterol. Motil.* 13: 420
- xii. Abrahams T.P., **Partosoedarso E.R.**, Hornby, P.J. (2001) Existence of central GABAergic tone on vagal-inhibitory pathways to the lower esophageal sphincter. *Digestion* 63(4):259.
- xiii. **Partosoedarso ER.** (2001) GABA_B receptors in the brain-gut axis. *Digestion* 63(4):251.
- xiv. **Partosoedarso ER**, Scullion, RT, Abrahams, TP and Hornby, PJ. (2001) Localization of cannabinoid receptor (CB1) in hindbrain and nodose ganglion of ferrets. *Gastroenterology* 120:A114
- xv. Blackshaw LA, **Partosoedarso ER.** (2000) Selectivity of GABA receptors in reducing peripheral and central vagal sensory transduction. *Gastroenterology* 118:A992
- xvi. **Partosoedarso ER**, Blackshaw LA. (1999) Selective role of GABA_B receptors in modulating chemo- and mechano-receptor inputs onto vagal motoneurons. *Neurogastroenterol. Motil.* 11:279
- xvii. **Partosoedarso ER**, Blackshaw LA. (1999) GABA_B receptors: Selective inhibitors of vagal afferents. *Falk Symposium* 112:65
- xviii. **Partosoedarso ER**, Blackshaw LA. (1999) GABA_B receptor inhibition of mechano- and chemo-receptor inputs onto vagal motor neurones. *Gastroenterology* 116:A1060
- xix. **Partosoedarso ER**, Blackshaw LA. (1999) Central GABA_B receptor inhibition of gastric mechanoreceptor inputs onto vagal motor neurones. *Gastroenterology* 116:A1060
- xx. Blackshaw LA, **Partosoedarso ER.** (1999) Baclofen inhibits mechanical sensitivity of gastrointestinal vagal afferents in vivo. *Gastroenterology* 116:A959
- xxi. **Partosoedarso ER**, Blackshaw LA. (1998) Central neurotransmitter mechanisms in gastrointestinal vagal reflexes. *Neurogastroenterol. Motil.* 10:90
- xxii. **Partosoedarso ER**, Page AJ, Blackshaw LA. (1997) Acute capsaicin sensitivity of gastrointestinal vagal afferents. *J. Auton. Nerv. Syst.* 65:156
- xxiii. **Partosoedarso ER**, Blackshaw LA, Dent J. (1995) Gastro-esophageal afferent inputs to vagal central neurons - neurokinin-1 (NK-1) receptor mediated? *Gastroenterology* 108 (4) A997
- xxiv. Blackshaw LA, Haupt JA, **Partosoedarso ER**, Dent J. (1994) Responses of ferret LOS to oesophageal acidification: involvement of a neurokinin-1 (NK-1) mechanism. *J. Gastroenterol. Hepatol.* 9: A94.
- xxv. Blackshaw LA, **Partosoedarso ER**, Dent J. (1994) Lower esophageal sphincter relaxation after esophageal acidification is mediated by a neurokinin-1 (NK-1) receptor mechanism in the ferret. *Gastroenterology* 106:A467.

Papers presented at meetings and symposia.

- i. Allard, E, Van Gastel, G.J., Koroluk, J., **Partosoedarso, E.** (2014) Leveraging Social Media to Foster Learning. EDC conference proceedings
- ii. **Partosoedarso, E.** & Robertson, L. (2012). The impact of audience response systems when used in combination with pedagogical strategy in a large introductory human physiology

- iii. DiGuiseppe, M., **Partosoedarso, E.**, vanOostveen, R., Desjardins, D. (2013) Exploring University Students' Use of ICT. *World Conference on Educational Multimedia, Hypermedia and Telecommunications*, Vol. 2013, No. 1(Jun 24, 2013) pp. 976–981. Presented June 26, 2013 at EdMedia, Victoria, BC. Retrieve abstract at <http://www.editlib.org/p/112078/>.
- iv. DiGuiseppe, M., **Partosoedarso, E.**, vanOostveen, R., Desjardins, D. (2013) Exploring Competency Development with Mobile Devices. Presented July 23-26, 2013 at IADIS e-Learning, Prague, Czech Republic. **Proceedings of the IADIS International Conference e-Learning 2013**. Edited by Miguel Baptista Nunes and Maggie McPherson. ISBN (Book): 978-972-8939-88-5

Invited Lectures (keynote lectures and addresses should be noted)

- 2004 Johnson and Johnson Research and Development, Beerse, Belgium
- 2003 Johnson and Johnson Research and Development, Spring House, PA. Talk entitled “Endocannabinoids and the upper gut”
- 2002 Johnson and Johnson Research and Development, Spring House, PA. Talk entitled “The role of cannabinoids in upper gut function”
- 2001 International Symposium on Brain-Gut Interactions “2001:A Brain-Gut Odyssey.” Talk entitled “GABAB receptors in the brain-gut axis” Keble College, Oxford, England.
- 2000 Flinders University, Adelaide, South Australia. Talk entitled "GABAB receptor influences in the upper gastrointestinal tract"
- 1999 Harvard Medical School, West Roxbury, MA. Talk entitled “Central and peripheral GABA B receptor influences on vagal neuronal activity arising from the gastrointestinal tract”
- 1999 Research Forum, Royal Adelaide Hospital, Adelaide, South Australia. Talk entitled “Electrophysiology of vagal sensory and motor neurones receiving inputs from the gastrointestinal tract-which receptors are involved in the brainstem?”
- 1998-1999 AstraZeneca Pharmaceuticals. Speaker at Joint Scientific Group meetings held biannually to summarize progress on research with collaborators from Flinders University (Marcello Costa and Simon Brookes), Royal Adelaide Hospital (Ashley Blackshaw and John Dent), AstraZeneca Sweden and LSU Health Sciences Center (Pamela Hornby and Pat Abrahams).

D. TEACHING ACTIVITIES (past 5 years)

13. (i) **Undergraduate courses taught at UOIT**
 1. Anatomy and Physiology I: Main instructor (Fall 2006-present)
 2. Anatomy and Physiology II: Main instructor (Winter 2007-present)
 3. Comprehensive Anatomy and Physiology: Main instructor (Winter 2007)
 4. Pathophysiology II: Main instructor (Winter 2011, Winter 2015)
 5. Altered Physiology I: Main instructor (Fall 2012)
 6. Altered Physiology II: Main instructor (Winter 2013)
 7. Pharmacology for Nurses: Main instructor (Fall 2008-present)
 8. Principles of Pharmacology and Toxicology Main instructor, Faculty of Sciences (Fall 2011)
 9. Topics in Advanced Topics in Biotechnology & Pharmaceutical Sciences (2007-2009)
 10. Topics in Pathophysiology I (Fall 2009-present)
 11. Comprehensive Pharmacotherapeutics: Main instructor (Winter 2009 – present)
 12. Research Methods for Health Science: Main instructor t (Fall 2010-present)
 13. Research Applications I: Main instructor (Fall 2011)
 14. Research Applications II: Main instructor (Winter 2012)
 15. Instructional Design & Technology: Main instructor (Spring 2011- 2012)

Undergraduate courses taught at CMCC

1. Systems Physiology: Main instructor (Fall 2013-present), Guest lecturer (2011-2013).

- (iii) Theses/Projects supervised.
- Master's Students**
 Brenda Garant, MHSc candidate. Project tentatively entitled: Implementing a Community of Practise for Mature Students Enrolled in an Online Program, 1/2013-present. Primary supervisor.
- Doctoral Student**
 Michael J. Monroe, PhD student, Neuroscience Center of Excellence, Louisiana State University Health Sciences Center, New Orleans, LA, 2002-2003. Primary supervisor.
- Undergraduate Students**
 Jennaire Lewars, Year 4 Research Practicum student, FOHS, UOIT. Project entitled: Examining Transactional Distance in a Large Face to Face Course, 2012-2013. Primary supervisor.
- Nooran Afzal, Year 4 Research Practicum student, FOHS, UOIT. Project entitled: ICT competencies in Post-Secondary Students: Computers and Laptops, 2012-2013. Primary supervisor.
- Jason Brinson, Year 4 Research Practicum student, FOHS, UOIT. Project entitled: Student Competency of Smartphone use, 2012-2013. Primary supervisor.
- Robert Nayer, Year 4 Research Practicum student, FOHS, UOIT. Project entitled: Facebook Use for Academic Purposes: Using Social media in the Undergraduate Setting, 2011-2012. Primary supervisor.
- Amanda Mustard, Year 4 Research Practicum student, FOHS, UOIT. Project entitled: Comparing Student Use of Social Media and a Learning Management System for Academic Purposes, 2011-2012. Primary supervisor.
- Christine Brownyard, undergraduate student, Loyola University, New Orleans, LA, 2002. Primary supervisor.
- Joanne Carolan, undergraduate student, on placement from Department of Biology, University of Ulster at Coleraine, Northern Ireland, 2001-2002. Primary supervisor.
- (iv) Other teaching and lectures given
 "How to Make Groups Work" Workshop for the Teaching and Learning Centre. (part of the TA Teaching Certificate Program), 2010- 2012.
- Intermediate Science Olympics Presentation, Durham District School Board, 2014.

E. SERVICE AND ADMINISTRATIVE POSITIONS

14. (i) University Service

Joint Teaching Faculty Workload Working Group, 2014-2015

Teacher Talk, 2013, 2015

Faculty Mentorship Luncheon (Panelist), 2013, 2014.

Award Selection Committee (Voting Member), Staff Awards of Excellence, 2013.

Graduate Student Conference (Judge), 2011-2013.

Orientation for Bachelor of Allied Health Science students (panelist). 2011-present.

Undergraduate Research Poster Day (Judge), 2010-present.

Gap analysis of fully online programs currently available at UOIT (Voting member), 2012-2013.

Undergraduate Program Review for the Bachelor of Allied Health Science program (Co-chair), 2012-2013.

Development of a “Story wall” for final year Medical Laboratory students on placements at different locations throughout the GTA. This storywall was a direct result of a final assignment of one of my students and has proved to be a continued success. 2011- 2012.

Development of a Human Health Biology stream within the BHSc program through the identification of gaps within the existing course offerings and proposed solutions. 2011-2013.

Reassessment of the bulk credit transfer for students from Fitness and Health Promotion programs entering into the BHSc (Kinesiology) program. 2011.

Main proponent of a hybrid model to be used for articulation courses run by the Canadian Memorial Chiropractic College (CMCC) for interested third year BHSc students, 2011.

Full-day session for intermediate students (grades 7 and 8), exposing them to an academic aspect of university life. The session was on the anatomy and physiology of bones and included the use of playdough, pipe cleaners and markers! Students also used clickers in the same way that my own students do. 2010.

Interview by the Teaching and Learning center in on the philosophy behind developing a course for the compressed Spring and Summer terms. 2010.

(iv) Community Service

Board of Directors (Voting member), Whitby Baptist Church, Inc, 2013-present.

(v) Other Service Activities

F. OTHER RELEVANT INFORMATION (past 5 years)