



CURRICULUM VITAE

KLAUS-PETER OSSENKOPP

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CURRENT POSITIONS

Full Professor (tenured), Department of Psychology, University of Western Ontario
(**Granted tenure** by the University of Western Ontario, 1986)

Core Faculty Member, Graduate Program in Psychology, University of Western Ontario

Core Faculty Member, Graduate Program in Neuroscience, University of Western Ontario

ACADEMIC BACKGROUND

Ph.D. York University, Toronto, Ontario, Canada **1978.**
FIELDS OF STUDY: Psychobiology and Animal Behavior.
M.A. University of Manitoba, Winnipeg, Manitoba, Canada **1975.**
FIELD OF STUDY: Experimental Psychology.
B.A. (Hons) University of Manitoba, Winnipeg, Manitoba, Canada **1971.**
FIELDS OF STUDY: Psychology and Zoology.
Cert. Educ. University of Manitoba, Winnipeg, Manitoba, Canada **1972.**
(Teacher certification)

ACADEMIC AND PROFESSIONAL APPOINTMENTS

Date:	Rank & Position:	Place:
1989-	Full Professor	Department of Psychology, Univ. of Western Ontario
2012-15	Adjunct Professor	Faculty of Graduate Studies, University of Guelph
2004-07	Chair	Department of Psychology, Univ. of Western Ontario
2003-04	Acting Chair	Department of Psychology, Univ. of Western Ontario
2003-16	Co-Director	“Kilee Patchell-Evans” Autism Research Group
1991-06	Co-Director	“Bioelectromagnetics Western”
1990-	Core Member	Neuroscience Graduate Program, Univ. of Western Ontario

1989-01 Honorary Lecturer	Department of Pharmacology and Toxicology, Univ. of Western Ontario
1989-97 Honorary Lecturer	Division of Oral Biology, Faculty of Dentistry, Univ. of Western Ontario
1986-89 Associate Professor (with tenure)	Department of Psychology, Univ. of Western Ontario
1982- Core Member	Psychology Graduate Program , Univ. of Western Ontario
1981-90 NSERC University Research Fellow	Department of Psychology, Univ. of Western Ontario
1980-86 Assistant Professor	Department of Psychology, Univ. of Western Ontario
1978-80 NSERC Postdoctoral Fellow	Department of Psychology, Univ. of Western Ontario

HONOURS AND AWARDS: ACADEMIC, SCHOLARLY & PROFESSIONAL

Winnipeg Free Press, Science Fair Scholarship, 1966-1967.
 York University, Graduate Scholarship, 1974-1975.
 National Research Council, Postgraduate Scholarship, 1975-1978.
 Natural Sciences and Engineering Research Council (NSERC) of Canada,
 Postdoctoral Fellowship, 1978-80.
 Natural Sciences and Engineering Research Council (NSERC) of Canada,
 University Research Fellowship, 1981-90.
 Fellow of the International Behavioral Neuroscience Society, 1995.
 Research featured in *NSERC's Top 50 Discoveries of 2006*.

SCHOLARLY AND PROFESSIONAL ACTIVITIES

Peer Review Process Editor for:

Heliyon
Autism Research and Treatment

Editorial Board Memberships:

- Research Editor for *OA Autism*, 2012-present
- Assistant Editor for *Journal of Bioelectricity*, 1988-92
- Regional Editor for *Bird Behaviour*, 1982-89
- Member of the Editorial Board for *Journal of Nausea*, 2016-present
- Member of the Editorial Board for *Heliyon*, 2015-present
- Member of the Editorial Board for *Autism Research and Treatment*, 2009-present
- Member of the Editorial Board for *Bird Behaviour*, 1979-82, 1989-95
- Member of the Editorial Board for *Brain Research Bulletin*, 1994-95
- Member of the Editorial Board for *Electro- and Magnetobiology*, 1992-2003

- Member of the Editorial Board for *Journal of Bioelectricity*, 1986-88
- Member of the Editorial Board for *Physiology and Behavior*, 1994-2003

Publication of Symposia and Proceedings:

- Co-Editor (with P. R. Sanberg) of a "Special Neuroscience Issue" for *Bird Behaviour*, 1983, **5**, 1-55.
- Co-Editor (with M. Kavaliers) of the Proceedings of the Satellite Symposium "Behavioral Biology of Nociception: Comparative, Developmental and Sexual Aspects" for *Brain Research Bulletin*, 1988, **21**, 919-972.
- Co-Editor (with L. A. Parker) of the Proceedings of the Satellite Symposium "Behavioral, Neural, and Pharmacological Aspects of Palatability: Current Research on Taste Reactivity" for *Neuroscience and Biobehavioral Reviews*, 1995, **19**, 85-151.
- Co-Editor (with M. Kavaliers) of the Proceedings of the Satellite Symposium "Measuring Anxiety in Animal Models" for *Neuroscience and Biobehavioral Reviews*, 2001, **25**, (issue 3) 202-286.

Organization of Symposia:

- Co-Organizer (with M. Kavaliers) and chairman of a Satellite Symposium (*Behavioral Biology of Nociception*) at the 17th annual meeting of the Society for Neuroscience, New Orleans, LA, 1987.
- Co-Organizer (with M. Kavaliers & F. S. Prato) and chairman of the First Annual BioelectroMagnetics Western Symposium (*Current Research on Biological Effects of Magnetic Fields*) at the University of Western Ontario, London, Ontario, April 24, 1992.
- Co-Organizer (with M. Kavaliers & F. S. Prato) of the Second Annual BioelectroMagnetics Western Symposium (*Electromagnetic Fields and Occupational Health*) at the Meeting of the Canadian Institute of Public Health Inspectors, London, Ontario, July 22, 1993.
- Co-Organizer (with L. A. Parker) of a Satellite Symposium (*Behavioral, Neural and Pharmacological Aspects of Palatability: Current Research on Taste Reactivity*) at the 23rd annual meeting of the Society for Neuroscience, Washington, D. C., November 7, 1993.
- Co-Organizer (with M. Kavaliers) and chairman of a Satellite Symposium (*Measuring Anxiety in Animal Models*) at the 29th annual meeting of the Society for Neuroscience, Miami Beach, Florida, October 1999.

Learned Society Memberships:

- American Physiological Society
- Canadian Neuroscience Association
- Canadian Society for Brain, Behavior and Cognitive Science
- International Behavioral Neurogenetics Society
- International Behavioral Neuroscience Society (Fellow)
- International Brain Research Organization
- International Society for Gravitational Physiology
- International Society for Psychoneuroendocrinology
- International Union of Radio Science
- (Commission K: Electromagnetics in Biology and Medicine)

- Society for Behavioral Neuroendocrinology
- Society for Neuroscience
- Society for the Study of Ingestive Behavior

Professional Activities in Learned Societies:

Member of the Governing Board, International Society for Bioelectricity, 1986-91.

Member of the Governing Board (Canadian Representative), International Behavioral Neuroscience Society, 1992-93, 1996-99.

Member of the Membership Committee, International Behavioral Neuroscience Society, 1992-95.

Member of the Program Committee, International Behavioral Neuroscience Society, 1997-2000, 2003-05, 2011-2013.

Co-Chair of the Membership Committee, International Behavioral Neuroscience Society, 1993-94.

Chairman of the Membership Committee, International Behavioral Neuroscience Society, 1994-95.

Co-Director and Co-Founder (with M. Kavaliers & F. S. Prato) of "**Bioelectromagnetics Western**" (BEMW) at the University of Western Ontario, 1991-2006.

Fellowship Selection Committees:

Member of the Fellowship Selection Committee for the "AccuScan (Omnitech) Travel Fellowships" for graduate students in behavioral neuroscience attending the annual meetings of the *Society for Neuroscience*, 1988-2003.

Editorial Consultant (manuscript reviewer) for:

Journals: (77)

American Journal of Physiology: Regulatory, Integrative and Comparative Physiology

Animal Learning and Behavior

Apidologie

Autism Research and Treatment

Autonomic Neuroscience

Behavioral and Brain Sciences

Behavioral Neuroscience

Behavioural Brain Research

Behavioural Pharmacology

Behavioural Processes

Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids

Bioelectromagnetics

BioMed Research International

Bird Behaviour

Brain, Behavior and Immunity

Brain Research

Brain Research Bulletin

British Journal of Pharmacology

Canadian Journal of Physiology and Pharmacology
Canadian Journal of Psychology
Canadian Journal of Zoology
Canadian Psychology
Chronobiology International
CNS Neuroscience & Therapeutics
Current Alzheimer Research
Current Nutrition & Food Science
Developmental Psychobiology
Electro- and Magnetobiology
European Journal of Pharmacology
Experimental Brain Research
General Physiology and Biophysics
Hormones and Behavior
Innate Immunity
International Journal of Neuropsychopharmacology
International Journal of Neuroscience
International Journal of Obesity
International Journal of Radiation Biology
Journal of Bioelectricity
Journal of Comparative Physiology A. Sensory, Neural, and Behavioral Physiology
Journal of Comparative Psychology
Journal of Experimental Biology
Journal of Experimental Psychology: Animal Behavior Processes
Journal of Neuroendocrinology
Journal of Neuroinflammation
Journal of Neurophysiology
Journal of Neuroscience
Journal of The Royal Society Interface
Learning and Behavior
Learning and Motivation
Life Sciences
Medical Hypotheses
Naturwissenschaften
Neural Plasticity
Neurobiology of Disease
Neuropsychopharmacology
Neuroreport
Neuroscience
Neuroscience and Biobehavioral Reviews
Neuroscience Letters
Neurosignals
Neurotoxicity Research
Nutritional Neuroscience

Pain

Peptides

Perceptual and Motor Skills

Pharmacology, Biochemistry and Behavior

Physiology and Behavior

PLoS-One

Proceedings of the Society for Experimental Biology and Medicine

Progress in Neuro-Psychopharmacology and Biological Psychiatry

Psychological Reports

Psychoneuroendocrinology

Psychopharmacology

Recent Patents on CNS Drug Discovery

Science

Stress

The Science of Nature

Publishers: (4)

- Academic Press
- Chapman and Hall
- CRC Press
- The Dorsey Press

Grant Application Appraiser for: (13)

- Canadian Institutes for Health Research
- Huntington's Disease Society of America
- Medical Research Council of Canada
- Multiple Sclerosis Society of Canada
- NASA Space Adaptation Research Program
- National Science Foundation, U.S.A.
- Natural Sciences and Engineering Research Council of Canada
- Neurological Foundation of New Zealand
- Ohio University, Internal Funding Committee
- Ohio University, Baker Committee
- Ontario Mental Health Foundation
- The Canadian Foundation for the Study of Sudden Infant Deaths
- The Wellcome Trust Foundation, England

Fellowship Appraiser for: (5)

- Canada Council (Killam Award)
- Grace Anderson Research Fellowship, Wilfrid Laurier University

- Medical Research Council of Canada
- Michael Smith Foundation for Health Research, British Columbia
- The Wellcome Trust Foundation, London, England

Promotion and Tenure Appraiser: (7)

- Candidate for promotion to Full Professor, Faculty of Social Science, Bar-Ilan University, Ramat Gan, Israel
- Candidate for promotion to Full Professor, Department of Psychiatry, University of Cincinnati Medical Centre, Cincinnati, Ohio, USA
- Candidate for promotion to Full Professor, Department of Psychology, University of Southern California, Los Angeles, California, USA

- Candidate for tenure and promotion to Associate Professor (Habilitation), Zoologisches Institut der Universität Würzburg, Federal Republic of Germany.
- Candidate for tenure and promotion to Associate Professor, Department of Psychology, University of Maryland (Baltimore County), Baltimore, Maryland, USA.
- Candidate for tenure and promotion to Associate Professor, Department of Neurosurgery, University of South Florida, Tampa, Florida, USA.
- Candidate for tenure and promotion to Associate Professor, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada

Psychology Department External Appraiser:

Appraisal of the Undergraduate and Graduate programs in the Department of Psychology, Wilfred Laurier University, Waterloo, Ontario, 2015

Animal Facility Appraiser:

Canadian Council on Animal Care site visit to appraise the animal facility at the University of Windsor.

Scholarship Committee Member:

Ontario Graduate Scholarship Selection Board, Autism Scholars Awards Selection Committee (OCGS), 2009-2012

Grant Committee Member:

University of Western Ontario, Internal Natural Sciences and Engineering Research Council grants (1991-93).

Grant Panel (Panel 3 - Autism), Congressionally Directed Medical Research Program, Peer Reviewed Medical Research Program, American Institute of Biological Sciences (2006).

Canadian Institutes of Health Research's (CIHR) University Industry (UI) Peer Review Committee (2007).

Consulting Experience:

- Research and Statistical Consultant, Experimental Education Program, Government of Manitoba, 1972
- Research and Statistical Consultant, Department of Health and Welfare, Government of Manitoba, 1974
- Defence Scientific Consultant, Defence Research Establishment Ottawa, Government of Canada, 1980
- Expert Witness on Health Effects of Power Line Fields, Court Case, Hull, Quebec, 1988-1989
- Consultant on the Health Effects of Power Line Fields, North Shore Tribal Council, Ontario, 1990
- Expert Witness on the Biological Effects of Electromagnetic Fields, Court Case, Montreal, Quebec, 1991
- Expert Witness on Health Effects of Power Line Fields, Court Case, Hull, Quebec, 1994.
- Consultant to the National Institute of Environmental Health Sciences (Department of Health and Human Services), USA, on the Health Effects of Power Line Electromagnetic fields, Phoenix, Arizona, 1998.

Professional Development Course:

Environmental Health Seminars, Middlesex-London Health Unit, "Electromagnetic Fields from Powerlines: Is there a Health Risk?" February, 1989.

UNIVERSITY ADMINISTRATIVE DUTIES

University:

- Member, Senate Subcommittee on the Use of Animals in Research and Teaching, 1992-95.
- Member, Sabbatical Leave Appeals Committee, 1998-00.
- Member, University Council on Animal Care, 1986-1988, 1992-1994, 2015-17.
- Member, University Internal NSERC grant committee, 1991-1993.
- Member, University Environmental and Laboratory Safety Committee, 2004-07.
- Member, Steering Committee for School of Neuroscience, 2007- 09.
- Member, Schulich School of Medicine and Dentistry, Department of Anatomy and Cell Biology, Promotion and Tenure Committee, 2007-2010.
- Member, Schulich School of Medicine and Dentistry, Department of Epidemiology & Biostatistics, Promotion and Tenure Committee, 2010-2013.

Faculty of Social Science:

- Faculty of Social Science Representative to the Faculty of Science, 1996-98.

- Faculty of Social Science Representative to the Department of Occupational Health and Safety (Laboratory Safety Committee), 1997-2003.
- Member, Faculty of Social Science Awards Nomination Committee, 2005-07.
- Member, Faculty of Social Science Nominations Committee, 1994-97.
- Member, Faculty of Social Science Promotion and Tenure Committee, 2003-04.

Department of Psychology:

- **Chair, Department, 2004-2007.**
- Acting Chair, Department, 2003-04.
- Chair, Animal Care Committee, 1986-88, 1995-97, 2003-2007.
- Chair, Annual Performance Evaluation Committee, 2003-2007.
- Chair, New Appointments Committee, 2003-2007.
- Chair, Behavioral and Cognitive Neuroscience Area, 1982-84, 1998-01, 2002-2003, 2009-2014.
- Chair, Behavioral and Cognitive Neuroscience Area Faculty Search Committee, 2000.
- Chair, Executive Coordinating Committee, 2003-2007.
- Chair, Undergraduate Affairs Committee, 1986-87, 1995-96.
- Chair, Space and Facilities Committee, 2003-2007.
- Member, Psychology-Physiology Faculty Search Committee, 2002.
- Member, Personnel, Promotion and Tenure Committee, 1982-83, 1997-01.
- Member, Undergraduate Affairs Committee, 1981-83; 1985-87, 1994-96.
- Member, Nominations Committee, 1982-84.
- Member, Animal Care Committee, 1982-83; 1986-88; 1990-92, 1994-98; 2011-14.
- Member, New Appointments Committee, 1985-87; 2002-03.
- Member, Executive Committee for Space and Facilities, 1983-84; 1992-94, 1996-98, 2014-17.
- Member, Curriculum Advisory Committee, 1994-95; 1995-96.
- Member, Executive Coordinating Committee, 1986-88; 1995-96.

Neuroscience Graduate Program:

Course co-ordinator, Neuroscience Graduate Seminar (Neuroscience 500); Behavioral Neuroscience Module 1999-2001; 2002- 03.

Member, Behavioral and Cognitive Neuroscience Program Committee, Graduate Neuroscience Program 2012-13.

UNIVERSITY TEACHING

Undergraduate Courses:

Department of Psychology (UWO):

Introduction to Psychology; The Human Animal; Biological Basis of Behavior; Animal Behavior; Biological Basis of Social Behavior; The Psychobiology of Human Sex Differences; Psychological Statistics; Research in Psychobiology; Behavioral Genetics; Sex Differences in Human Brain and Behavior; Brain, Behavior and the Immune System; Special Topics in Psychobiology; Independent Study

Department of Pharmacology (UWO):

Pharmacology of the Central Nervous System (Section: Behavioral Pharmacology)

Graduate Courses:

Department of Psychology (UWO):

The Psychobiology of Ingestion; Evolution, Behavior and Sociobiology; Behavioral and Cognitive Neuroscience Research Seminar; Developing Animal Models in Behavioral Neuroscience

Neuroscience Graduate Program (UWO):

Statistics and Research Design for Neuroscientists; Neuroscience Graduate Seminar (Section: Regulatory Behaviors)

POSTDOCTORAL FELLOW SUPERVISION (2)

Dr. Cheryl Limebeer (2005-07; NSERC Postdoctoral Fellow): “*The Endogenous Cannabinoid System and Nausea in a Rat Model*”. Currently a Research Associate, Department of Psychology, University of Guelph, Guelph, Ontario.

Dr. Elena Choleris (2002-03; NSERC Postdoctoral Fellow): “*Diet Related Flavor Cues and Social Learning in Rats: Neural and Hormonal Mechanisms*”. Currently a Full Professor, Department of Psychology, University of Guelph, Guelph, Ontario.

Supervision or Thesis Supervisory Committee of External Graduate Students:

Ph.D. (2008) - Isabel M. Picon (Universidad de Oviedo, Spain), “*Spatial Learning and the Avoidance of Costly Foods when Foraging in Rats: Sex Differences*”.

Ph.D. (2012-) - Michael Sticht (University of Guelph), “*Endocannabinoid regulation of nausea and emesis: Role of 2-arachidonoylglycerol in LiCl-induced vomiting in *Suncus murinus* and conditioned gaping in rats*”.

GRADUATE THESIS SUPERVISION (UWO) (12 Doctoral; 29 Masters)

Supervisor or co-supervisor for Ph.D. program:

Ph.D. (in progress) - Caylen J. Cloutier, "*Immune system stimulation and its effects on learning and memory processes: Sex Differences*" (with M. Kavaliers)

Ph.D. (2013) - Kelly A. Foley, "*Developmental and Behavioral Effects of Pre- and Peri-natal Exposure to Lipopolysaccharide and Propionic Acid in Rats*" (with M. Kavaliers). Currently employed as a medical writer (Toronto).

Ph.D. (2011) - Sandy R. C. Shultz, "*Fluid percussion injury in the rat as an animal model of concussion: Cumulative effects of repeated concussion and its treatment by anti-CD11D antibody*". (with D. P. Cain). Currently a Postdoctoral Fellow, Department of Psychology, University of Melbourne, Australia.

Ph.D. (2008) - Melissa A. Fudge, "*The Effects of Estrogen Receptor Modulators on Gustatory Conditioning in Rats*" (with M. Kavaliers). Currently employed in industry (Toronto).

Ph.D. (2007) - Christine M. Tenk, "*Developmental Behavioral Effects of Early Postnatal Exposure to Lipopolysaccharide in Rats.*" (with M. Kavaliers). Currently a tenured Associate Professor, Brescia University College, University of Western Ontario, Ontario.

Ph.D. (2004) - Shelley K. Cross-Mellor, "*Comparing the Influence of Immune Activation and Toxin Administration on Various Aspects Involved in Feeding.*" (with M. Kavaliers). [Recipient of award for best Ph.D. Thesis in the Graduate Neuroscience Program]. Currently a Research Associate, Department of Psychology, University of Western Ontario, London, Ontario.

Ph.D. (2002) - Christopher G. Engeland, "*Factors which Modulate Sickness Expression and Tolerance Development Following Bacterial Infection in Rodents*" (with M. Kavaliers). Currently a Tenure Track Assistant Professor, Biobehavioral Health, The Pennsylvania State University.

Ph.D. (1998) - Tara S. Perrot-Sinal, "*Anti-Predator Responses in Rodents: Sex Differences and Hormonal Correlates*". (with M. Kavaliers). [Recipient of award for best Ph.D. Thesis in the Graduate Neuroscience Program]. Currently a tenured Associate Professor, Department of Psychology, Dalhousie University, Halifax, Nova Scotia.

Ph.D. (1997) - Sharon N. D. A. Clarke, "*The impact of ovarian hormones and cholecystokinin on palatability and satiety*". [Recipient of award for best Ph.D. Thesis in the Graduate Neuroscience Program].

Ph.D. (1996) - Lisa A. Eckel, "*Cholecystokinin and taste reactivity in rats: Evidence in support of a satiety effect*". Currently a tenured Associate Professor, Department of Psychology, Florida State University, Tallahassee, Florida.

Ph.D. (1994) - Liisa A. M. Galea, "*Developmental, hormonal and neural aspects of sexually dimorphic spatial learning in rodents*". (with M. Kavaliers). [Recipient of award for best Ph.D. Thesis in the Graduate Neuroscience Program]. Currently a Full Professor, Department of Psychology, University of British Columbia, Vancouver, British Columbia.

Ph.D. (1987) - Ricki L. Ladowsky, "*The Relationship of Visual-Perceptual Skills, Vision and Physical Attributes to Motion Sickness Susceptibility*". Currently a practicing Clinical Neuropsychologist, St. Michaels Hospital, Toronto.

Supervisor or co-supervisor for M.Sc./M.A. program:

M.Sc. (in progress) – **Danna Zevy** – "*Sex differences in anticipatory nausea (conditioned disgust) in rats: Influence of the estrous cycle*" (with M. Kavaliers)

M.Sc. (in progress) - **Jordan Ward** - "*Neonatal Immune System Activation Effects on Conditioned Nausea and Disgust in Rats*" (with M. Kavaliers)

M.Sc. (in progress) - **Julie Deleemans** - "*Influence of Oxytocin on Immune Activation and Tolerance Development in Rats*" (with M. Kavaliers)

M.Sc. (in progress) - **Kai Wang** - "*Neonatal Immune System Stimulation and its Effects on Cognitive Bias in Adolescent Rats.*" (with M. Kavaliers)

M.Sc. (2016) - **Nathalie Boulet** - "*Social Factors which Influence Conditioned Nausea and Disgust in Rats*" (with M. Kavaliers)

M. Sc. (2013) - **Amber Good** - "*Examining Factors which Influence Ingestion of Foods Containing Low Levels of Toxins.*" (with M. Kavaliers)

M. Sc. (2013) - **Stacey Holbrook** - "*The Effects of a Single Acute and Repeated Intracerebroventricular Infusions of Propionic Acid on Locomotor Activity and Neuroinflammation in Rats.*" (with M. Kavaliers and D. MacFabe)

M. Sc. (2012) - **Alina Zaltzman** - "*The Effects of Neonatal Immune System Activation with Lipopolysaccharide on Adolescent and Adult Anxiety Behaviours in Male and Female Rats.*" (with M. Kavaliers)

M. Sc. (2011) - **Melissa Meeking** "*Introcerebroventricular Propionic Acid Increases Locomotor Activity and Nose Pokes in Rats Tested in an Automated Hole-Board Apparatus: Dose Response in an Animal Model of Autism Spectrum Disorders*" (with D. MacFabe)

M. Sc. (2011) - **Caylen Cloutier** - "*Simultaneous Conditioning of Anticipatory Nausea and Taste Avoidance and the Influence of Immune System Activation.*" (with M. Kavaliers)

- M. Sc. (2011) - **Jennifer Mepham** - "*Investigating the Time Course of Propionic Acid-Induced Cognitive Deficits Using the Morris Water Maze.*" (with D. MacFabe)
- M. Sc. (2010) - **Jessica Benzaquen** "*Effects of Propionic Acid on Locomotor Activity, Anxiety-Related Behaviour, Social Interaction, and its Induction of Aversive Internal Cues, in Male and Female Rats: Support for an Animal Model of Autism.*" (with M. Kavaliers and D. MacFabe)
- M. Sc. (2010) - **Melissa Y. T. Chan** "*Tolerance to the Effects of Immune Stimulation with Lipopolysaccharide on the Acquisition of Anticipatory Nausea and Conditioned Taste Aversion.*" (with M. Kavaliers)
- M. Sc. (2009) - **Soaleha Shams** "*The Effects of Intraperitoneal Injections of Propionic Acid on Social Interaction, Anxiety-Related Behavior and Locomotor Activity of Male Rats: Support for an Animal Model of Autism.*" (with M. Kavaliers)
- M. Sc. (2008) - **Jennifer Martins** "*The Effects of NMDA and Dopamine Antagonists in a Novel Propionic Acid Rodent Model of Autism.*" (with D. MacFabe and M. Kavaliers)
- M. Sc. (2008) - **Andrew Lockey** "*Alterations in Startle Response and Prepulse Inhibition Following Innate Immune System Stimulation with Lipopolysaccharide.*" (with M. Kavaliers).
- M. Sc. (2006) - **Jennifer Hoffman** "*The Effects of Acute and Chronic Intracerebroventricular Infusions of Propionic Acid on Locomotor Activity in Long-Evans Rats.*" (with M. Kavaliers and D. MacFabe).
- M. Sc. (2006) - **Kelly A. Foley** "*Access to a Natural Reward, Sucrose, Enhances the Development of Behavioral Sensitization to the Dopamine D2/D3 Agonist, Quinpirole.*" (with M. Kavaliers).
- M. Sc. (2005) - **Lyndsay R. Martin** "*Effects of Exposure to Cat Odour on Locomotor Activity and Anxiety in Male Mice.*". (with M. Kavaliers).
- M. Sc. (2004) - **Melissa A. Fudge**, "*The Effects of Allopregnanolone on Feeding: A Behavioral Investigation*". (with M. Kavaliers).
- M. Sc. (2003) - **Andrew E. Franklin**, "*Immune System Activation and Day-Night Difference in Sickness Behaviors in Rats.*" (with M. Kavaliers).
- M. Sc. (2003) - **Christine M. Tenk**, "*Corticosterone, Lithium Chloride and Conditioned Place Aversion.*" (with M. Kavaliers).
- M. Sc. (2001) - **William D. T. Kent**, "*Corticosterone and Rapid Gustatory Conditioning with LiCl.*" (with M. Kavaliers).

Ph.D. Comprehensive

Examiner:

Bonnie Alberry (Biology)
 Anica Bjelica (Anatomy and Cell Biology)
 Katherine Janus (Biology)
 Aniruddho Chokroborty Hoque (Biology)

External Ph.D. Comprehensive

Examiner:

Martin Sticht (Neuroscience Program, University of Guelph)

Undergraduate Thesis supervision: (78)**Honors Neuroscience: (2)**

2014-15: J. Di Bella

2015-16: L. Levesque

Honors Psychology: (61)

2015-16: K. Colasanti, A. Romaniuk

2016-17: C. Kamen, L. Hutchinson, M. Marcus

2013-14: J. Gottlieb, L. Strasser

2014-15: K. Kezele, S. Kim

M. Librach, R. Garrick

2011-12: J. Gold, C. Barron,

2012-13: C. Saperia, J. Raisin, A. Chan

L. Coombs, A. Vaz

2009-10: A. Zaltzman,

2010-11: A. Good

M. Kazmierczak, A. Hill

2007-08: M. Chan

2008-09: C. Cloutier, E. Biagi, A. Campbell

2005-06: S. Aronson, J. Gibson

2006-07: M. Dekens, A. George, J. Martins

2003-04: S. Devane

2004-05: J. Hoffman

2001-02: L. Martin

2002-03: M. Gutz

1999-00: C. Chiarot, K. Newland

2000-01: A. Franklin

K. Zaki, D. Cheung

1997-98: D. Nielsen, K. Sullivan

1998-99: N. Heidebrecht, D. Krieger

H. Ranu

1996-97: S. Millar, K. Shaw,

1995-96: W. Kent,

M. Fowler

C. Marczinski (Gold medal)

1993-94: D. Kinsella, B. Navarro

1992-93: Y. J. Rabi (Gold medal),

A. Splinter

1991-92: E. Tan

1990-91: L. Saksida, H. Song

1989-90: D. Robinson

1988-89: J. Krusky

1987-88: T. McCarty

1984-85: M. Bettin

Joint Honors Psychology/Physiology: (14)

2006-07: N. Tordjman-Goodfellow,

M. Tordorow

2003-04:	K. Foley	1996-97:	S. Cross, G. Shearer
1989-90:	L. A. Eckel	1988-89:	A. Prkacin
1987-88:	M. Bevan	1985-86:	L. Gabora, L. MacRae
1984-85:	K. Desborough, T. Wenske	1981-82:	P. Rose
1980-81:	M. Northcott		

Honors Biology/Zoology: (2)

2010-11	E. Johnson (Honors Biology)
1989-90:	D. Tysdale (Honors Zoology)

Supervisor for NSERC Summer Scholarship Students: (10)

2013	Lindsay Szota
2010	Magdalena Kazmierczak
2008	Mellisa Chan
2007	Andrew Lockey
2004	Kelly Foley
2003	Kelly Foley
2000	Sari Anderson
1999	Jennifer McKay
1996	Doreen Kinsella
1995	Y. Jack Rabi

GRANTS AND CONTRACTS HELD

Type of Grant:	Agency:	Years:	Amounts:
Individual	NSERC (Discovery)	2014-19	\$170,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2013-15	\$750,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2011-13	\$750,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2009-11	\$750,000
Individual	NSERC (Discovery)	2009-14	\$150,000
Contract	Naturatherapeutics	2008-09	\$ 50,000
Contract	Naturatherapeutics	2008-09	\$ 50,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2007-09	\$750,000
Group (Hampson,PI)	NSERC (Maj.Facil.)	2007-10	\$172,890
Group (Kavaliers, PI)	NSERC (Equip.)	2006-07	\$ 30,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2005-07	\$750,000
Group	NSERC (Equip.)	2004-05	\$ 11,730
Group (MacFabe, PI)	Round for a Reason	2004-06	\$ 47,761

Individual	NSERC (Discovery)	2004-09	\$100,000
Group (MacFabe, PI)	Goodlife Fitness Inc.	2003-05	\$750,000
Group (MacDougall-Shackleton, PI)	NSERC (Equip.)	2003-04	\$ 27,140
Group (Hampson, PI)	NSERC (Maj. Facil.)	2003-06	\$135,000
Group (Hampson, PI)	NSERC (Maj. Facil.)	2002-03	\$ 30,000
Group (Kavaliers, PI)	NSERC (Equip.)	2001-02	\$ 7,800
Individual	FSS (UWO)	2000-01	\$ 7,500
Individual	NSERC	2000-04	\$ 80,000
Individual	NSERC (Equip.)	2000-01	\$ 15,000
Group (Hampson, PI)	NSERC (Maj. Facil.)	1999-02	\$ 90,000
Group (Kavaliers, PI)	NSERC (Equip.)	1999-00	\$ 24,493
Group	NSERC (Equip.)	1997-98	\$ 9,870
Group (Prato, PI)	LRI (Special)	1997-98	\$ 9,752
Group (Prato, PI)	UWO (Special)	1996-97	\$ 12,500
Individual	NSERC	1996-00	\$ 71,400
Group (Sherry, PI)	NSERC (Equip.)	1994-95	\$ 40,482
Individual	NSERC (Univ.)	1993-94	\$ 3,540
Individual	NSERC (Univ.)	1992-93	\$ 8,912
Individual	NSERC	1992-96	\$ 60,000
Group (Kavaliers, PI)	UWO (Renaissance)	1991-92	\$ 5,000
Group (Kavaliers, PI)	ADF (UWO)	1991-92	\$ 20,000
Individual	NSERC (Univ.)	1990-91	\$ 9,482
Group (Kavaliers, PI)	UWO (Renaissance)	1989-91	\$ 5,000
Individual	NSERC	1989-92	\$ 45,000
Individual	NSERC (Equip.)	1989-90	\$ 11,500
Individual	NSERC (Univ.)	1989-90	\$ 3,000
Group (Prato, P.I.)	MRC	1989-90	\$ 25,819
Group (Prato, P.I.)	NHRDP	1988-90	\$ 79,317
Group (Prato, P.I.)	MRC	1987-89	\$110,064
Individual	NSERC	1986-89	\$ 66,000
Individual	FSS (UWO)	1986-87	\$ 350
Individual	FSS (UWO)	1985-86	\$ 475
Individual	NSERC	1984-86	\$ 30,000
Individual	FSS (UWO)	1984-85	\$ 450
Group (Prato, P.I.)	PSI	1983-86	\$ 34,226
Group (Prato, P.I.)	NHRDP	1983-85	\$276,773
Contract	DND (Canada)	1983-84	\$ 17,877
Individual	FSS (UWO)	1983-84	\$ 450
Contract	NYDH	1982-86	\$ 74,156
Contract	DND (Canada)	1982-83	\$ 16,850
Individual	FSS (UWO)	1982-83	\$ 400
Individual	NSERC	1981-84	\$ 34,705
Contract	DND (Canada)	1981-82	\$ 6,058

Contract DND (Canada) 1980-81 \$ 6,000

TOTAL \$6,794,722

PUBLICATIONS AND PRESENTATIONS

Career Totals:

Articles in Refereed Journals: 188 Chapters in Books: 13
Edited Books: 2 Technical Reports: 2

TOTAL NUMBER OF PUBLICATIONS: 205

Published Abstracts: 344 Presentations at Professional Meetings: 384
Organized Symposia: 5 Colloquia and other Invited Presentations: 32
Edited Symposia and Journal issues: 4

Scholarly Impact (from Google Scholar)

h index = 46
i-10 index = 149
total citations = 6285

JOURNAL ARTICLES, BOOKS, BOOK CHAPTERS & TECHNICAL REPORTS

(*cited more than 50 times; **cited more than 100 times, ***cited more than 150 times)

1972

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1975

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1977

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1984

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1989

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and operational personnel (chronic exposures). *Annals of the New York Academy of Sciences*, 1992, **649**: 44-58.

1993

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1994

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247. Tenk CM; Kavaliers M; Ossenkopp K-P. The effects of neonatal immune activation with lipopolysaccharide on behavior in adolescent and adult rats. *Canadian Society for Brain, Behavior, and Cognitive Science Abstracts*, 2005, #133.
248. Banasikowski TJ; Martin LA; Kavaliers M; Ossenkopp K-P. Effects of repeated lipopolysaccharide exposure on locomotor activity in a light-dark test situation in male mice. Poster presented at the 25th annual meeting of the *Southern Ontario Neuroscience Association*, Hamilton, Ontario, June, 2005.
249. Foley KA; Kavaliers M; Ossenkopp K-P. The D2 antagonist, raclopride, alters the effects of pre-exposure to sucrose on the behavioral sensitization to the D2/D3 agonist, quinpirole in male rats. Poster presented at the 25th annual meeting of the *Southern Ontario Neuroscience Association*, Hamilton, Ontario, June, 2005.
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355. Mephram JR; Boon F; Taylor AR; Thomas RH; Cain DP; Ossenkopp K-P; MacFabe DF. Time course of propionic acid induced lipid, neuroinflammatory, and cognitive deficits in the Morris Water Maze: Further development of a novel rodent model of autism. *Abstracts of the 11th International Meeting for Autism Research*, 2012, #11272

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357. Good A; Kavaliers M; Ossenkopp K-P. Toxin-induced gustatory conditioning in rats: Dose related effects of low levels of the toxin LiCl in a sucrose solution on drinking behaviors. *Abstracts of the International Behavioral Neuroscience Society*, 2012.
358. Cloutier CJ; Kavaliers M; Ossenkopp K-P. Conditioned Disgust and Social Behavior in Rats Treated with the Toxin LiCl. *Abstract Viewer/Itinerary Planner. New Orleans, Louisiana: Society for Neuroscience*, 2012, 401.05.
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360. Holbrook S; Boon F; Taylor R; Thomas R; Tichenoff L; Ossenkopp K-P; MacFabe DF. The temporal relationship between a single infusion of propionic acid and the behavioral, neuropathological and lipid changes in rats. *Abstract Viewer/Itinerary Planner. New Orleans, Louisiana: Society for Neuroscience*, 2012, 444.09.
361. MacFabe DF; Thomas R; Tichenoff LJ; Boon F; Possmayer F; Ossenkopp K-P. Intracerebroventricular and systemic administration of enteric short chain fatty acids in rats induces neuropathological, oxidative stress and lipid/acylcarnitine profiles consistent with autism spectrum disorder. *Abstract Viewer/Itinerary Planner. New Orleans, Louisiana: Society for Neuroscience*, 2012, 444.05.
362. MacFabe DR; Foley KA; Boon F; Tichenoff L; Ossenkopp K-P. 2012. Intracerebroventricular administration of propionic acid as a rodent model of autism: Behavioral and electrographic validity. *American Society of Neurochemistry Abstracts*, 2012.
363. MacFabe DF; Thomas RH; Tichenoff L; Foley KA; Ossenkopp K-P. Intracerebroventricular administration of propionic acid as a rodent model of autism: Neuropathological and biochemical validity. *American Society of Neurochemistry Abstracts*, 2012.
364. Ossenkopp K-P; Foley KA; Boon F; Tichenoff LJ; MacFabe DF. Intracerebroventricular and systemic administration of enteric short chain fatty acids in rodents induces behavioral and electrographic findings consistent with autism spectrum disorder. *Abstract Viewer/Itinerary Planner. New Orleans, Louisiana: Society for Neuroscience*, 2012, 444.07.

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365. Cloutier CJ; Ossenkopp K-P; Kavaliers M. Social modulation of LiCl-induced "disgust" responses in rats. *Abstracts of the International Behavioral Neuroscience Society*, 2013.
366. Good A; Kavaliers M; Ossenkopp K-P. Toxin-induced gustatory conditioning in rats: Examining toxin-nutrient trade-offs with ingestion of a palatable solution containing a low level toxin (lithium chloride). *Abstracts of the International Behavioral Neuroscience Society*, 2013.
367. Holbrook, S., Taylor, R., Kavaliers, M., Ossenkopp, K.-P., MacFabe, D. F. Temporal effects of spaced intracerebroventricular infusions of propionic acid on locomotor activity and neuroinflammation in rats: Further development of a rodent model of autism. *Abstract Viewer/Itinerary Planner, San Diego, CA, USA: Society for Neuroscience*, 2013, 50.03

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368. Cloutier CJ; Kavaliers M; Ossenkopp K-P. The effects of immune system stimulation on toxin (LiCl)-induced conditioned place avoidance in the female rat. *Abstracts of the International Behavioral Neuroscience Society*, 2014.
369. Cloutier CJ; Kavaliers M; Ossenkopp K-P. Immune system stimulation and conditioned place avoidance in the female rat: Lipopolysaccharide treatment in adolescence produces tolerance to an adult homotypic challenge. *Abstracts of the Southern Ontario Neuroscience Association*, 2014.
370. Cloutier CJ; Kavaliers M; Ossenkopp K-P. Adolescent immune system stimulation with the immunogen lipopolysaccharide (LPS) alters the acute-phase response and lithium chloride (LiCl)-induced conditioned place avoidance acquisition following a homotypic challenge in adulthood in the female rat. *Abstract Viewer/Itinerary Planner, Washington, DC, USA: Society for Neuroscience*, 2014, 749.28.
371. Kavaliers M; Cloutier CJ; Ossenkopp K-P; Choleris E. Infection threat elicits assortative sociality in female mice. *Abstract Viewer/Itinerary Planner, Washington, DC, USA: Society for Neuroscience*, 2014, 641.13.
372. Szota LR; Good A; Kavaliers M; Ossenkopp K-P. Toxin-induced gustatory conditioning in rats: Influence of a bitter taste. *Abstract Viewer/Itinerary Planner, Washington, DC, USA: Society for Neuroscience*, 2014, 833.13.

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373. Cloutier-Duke CJ; Kavaliers M; Ossenkopp K-P. Sex differences in the acquisition of conditioned disgust behaviour in the rat. *Abstracts of the International Behavioral Neuroscience Society*, 2015.
374. Boulet N; Cloutier-Duke CJ; Kavaliers M; Ossenkopp K-P. Social Factors Modulate Toxin-Induced Disgust Responses in Rats. *Abstracts of the International Behavioral Neuroscience Society*, 2015.
375. Deleemans J; Ossenkopp K-P; Tenk CM; Kavaliers M. The Effects of Oxytocin on Sickness Behaviours and Anxiety Responses in Male Mice. *Abstracts of the Southern Ontario Neuroscience Association*, 2015.
376. Wang K; Ossenkopp K-P; Kavaliers M. A novel rat model of cognitive bias. *Abstracts of the Southern Ontario Neuroscience Association*, 2015.
377. Boulet N; Cloutier-Duke CJ; Ossenkopp K-P; Kavaliers M. Social stimuli can modulate conditioned disgust in rats. *Abstract Viewer/Itinerary Planner, Chicago, IL, USA: Society for Neuroscience*, 2015, in press.
378. Ward J; Tenk CM; Kavaliers M; Ossenkopp K-P. The effect of neonatal infection on adolescent and adulthood anxiety in the rat: assessing the role of anxiety in the development of anticipatory nausea-like behaviour. *Abstract Viewer/Itinerary Planner, Chicago, IL, USA: Society for Neuroscience*, 2015, in press.
379. Wang, K; Ossenkopp K-P; Kavaliers M. *Abstract Viewer/Itinerary Planner, Chicago, IL, USA: Society for Neuroscience*, 2015, in press.
380. Deleemans J; Tenk CM; Ossenkopp K-P; Kavaliers M. *Abstract Viewer/Itinerary Planner, Chicago, IL, USA: Society for Neuroscience*, 2015, in press.

381. Wang K; Ossenkopp K-P; Kavaliers M. A translational rodent model of cognitive bias. *Canadian Journal of Experimental Psychology*, 2015, in press.

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382. Zevy DL; Kavaliers M; Ossenkopp K-P. Development of anticipatory nausea in female rats varies across the estrous cycle. Poster presented at Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Canada.
383. Zevy DL; Kavaliers M; Ossenkopp K-P. Development of anticipatory nausea in female rats varies across the estrous cycle. Poster presented at Southern Ontario Neuroscience Association meeting in Waterloo, Ontario.
384. Zevy DL; Kavaliers M; Ossenkopp K-P. The effects of the estrous cycle on the development of anticipatory nausea in female rats. *Abstract Viewer/Itinerary Planner, San Diego, CA, USA: Society for Neuroscience*, 2016, in press.

INVITED PRESENTATIONS AND COLLOQUIA:

1. ***Acute behavioral and gastric disturbances following hypothalamic damage.*** Colloquium presented at the University of Western Ontario, Department of Psychology, London, Ontario, February, 1981.
2. ***Some acute behavioral and gastric disturbances following hypothalamic damage in rats.*** Colloquium presented at Carleton University, Department of Psychology, Ottawa, Ontario, February, 1981.
3. ***Reduction in radiation induced taste aversions in rats with area postrema lesions.*** Invited paper presented at a symposium on "Radiation induced emesis and nausea", Halifax, Nova Scotia, August, 1981.
4. ***Geomagnetic cues and avian orientation and navigation.*** Guest speaker, Zoology Seminars, University of Western Ontario, Department of Zoology, London, Ontario, November, 1981.
5. ***The measurement and integration of behavioral variables: Aggregation and complexity as important issues.*** Invited presentation at the Satellite Symposium "Locomotor Behavior: New Approaches in Animal Research", at the 14th annual meeting of the Society for Neuroscience, Anaheim, California, October, 1984.
6. ***Behavioral effects of exposure to nuclear magnetic resonance imaging: A progress report.*** Guest speaker at The Lawson Research Institute, St. Joseph's Hospital, London, Ontario, April 1985.
7. ***Magnetic field effects in animals.*** Guest Speaker at a Symposium on "Explorations in Nuclear Magnetic Resonance Imaging", Lawson Research Institute, London, Ontario, May, 1985.
8. ***Inhibition of spontaneous locomotor activity as an index of drug-induced nausea in the rat.*** Invited presentation at the Satellite Symposium, 15th annual meeting of the Society for Neuroscience, Dallas, Texas, October, 1985.
9. ***Biological effects of magnetic fields: A central role for the opioid systems.*** Guest speaker at the Seminar Series on the "Interaction of Electric and Magnetic Fields with Living Matter", University of Toronto, Toronto, Ontario, April, 1986.

10. ***Automated multivariate measurement of spontaneous motor activity in mice: Time course and reliabilities of the behavioral measures.*** Invited presentation at the Satellite Symposium "Locomotor Behavior: Numbers, Numbers, Numbers!", 16th annual meeting of the Society for Neuroscience, Washington, D. C., November, 1986.
11. ***Effects of magnetic fields on the endogenous opioid systems of the body.*** Guest speaker, "Biophysics Seminars", University of Western Ontario, Department of Biophysics, London, Ontario, January, 1987.
12. ***Body rotation-induced analgesia in mice: Effects of different types of rotation procedures.*** Invited presentation at the Satellite Symposium "Behavioral Biology of Nociception: Comparative, Developmental, and Sexual Aspects", 17th annual meeting of the Society for Neuroscience, New Orleans, Louisiana, November, 1987.
13. ***Neurobehavioral effects of exposure to powerline frequency magnetic fields.*** Guest speaker, "Neuroscience Seminar Series", University of Cincinnati Medical Center, Department of Psychiatry, Cincinnati, Ohio, January, 1988.
14. ***Electromagnetic fields from powerlines: Is there a health risk?*** Guest Speaker, "Environmental Health Seminars", Middlesex-London Health Unit, February, 1989.
15. ***Neural mechanisms and the aversive properties of drugs.*** Guest speaker, "Pharmacology and Toxicology Seminar Series", University of Western Ontario, Department of Pharmacology and Toxicology, London, Ontario, December, 1989.
16. ***Some neural mechanisms involved in the conditioning of taste aversions.*** Guest speaker, Wilfrid Laurier University, Department of Psychology, Waterloo, Ontario, February, 1990.
17. ***Neurobiological effects of magnetic field exposure.*** Invited presentation at the Inaugural Symposium of Bioelectromagnetics Western, "Current Research on the Biological Effects of Magnetic Fields", University of Western Ontario, April, 1992.
18. ***Neurobiological effects of magnetic field exposure.*** Invited presentation at the Second Annual Bioelectromagnetics Western Symposium "Electromagnetic Fields and Occupational Health" at the Canadian Institute of Public Health Inspectors 1993 National/Ontario Branch Conference, London, Ontario, July, 1993.
19. ***The chemosensitive area postrema and conditioned changes in taste reactivity.*** Invited presentation at the Satellite Symposium "Behavioral, neural and pharmacological aspects of palatability: Current research on taste reactivity" at the 23rd annual meeting of the Society for Neuroscience, Washington, D. C., November, 1993.
20. ***On the concept of palatability: An evolutionary perspective.*** Invited presentation at "Looking at Ingestive Consumption Kinetics Symposium (LICKS)", University of Southern Colorado, Pueblo, Colorado, August, 1995.
21. ***Rapid toxin-induced gustatory conditioning.*** Invited presentation at the 1st annual Neuroscience Research Day, University of Western Ontario, London, Ontario, November 1996.
22. ***Stress, anxiety and automated open-field activity in rodents.*** Invited presentation at the Satellite Symposium "Locomotor Behavior: What is it Good For? " at the 27th annual meeting of the Society for Neuroscience, New Orleans, LA, October, 1997.
23. ***Magnetic fields and brain electrical activity: Possible implications for the treatment of epilepsy.*** Invited presentation at the International Symposium "Magnetic Fields: Recent Advances in Diagnosis and Therapy", London, Ontario, November 1997.

24. ***Electricity, Society and Health.*** Invited public presentation as part of the International Symposium “*Magnetic Fields: Recent Advances in Diagnosis and Therapy*”, London Convention Center, London, Ontario, November 1997.
25. **Invited participant and member of a panel** on “*EMF Science Review Symposium and Workshop: III. Clinical and In Vivo Laboratory Findings*” sponsored by the National Institute of Environmental Health Sciences (Department of Health and Human Services) and commissioned by the US Congress, Phoenix, Arizona, April 1998.
26. ***Learning, Memory and Food Choice: The Role of Dietary Toxins.*** Invited presentation, University of Auckland, Department of Psychology, Auckland, New Zealand, September, 2000.
27. ***Lipopolysaccharide-Induced Sickness Behaviors: Tolerance Development is Modulated by Sex and Reproductive Status.*** Invited presentation, Max-Planck-Institut für Psychiatrie, Munich, Germany, June 2002.
28. ***Comparing Immune System Activation- and Toxin-induced Gustatory Conditioning.*** Invited presentation at the Symposium “*Taste Reactivity: A Tool for Evaluating Taste Hedonics and Taste Aversions*”, at the annual meeting of the Canadian Society for Brain, Behavior and Cognitive Science, St. John’s, Newfoundland, June 2004.
29. ***Evolution and sex: Implications for sex differences.*** Invited presentation for the Symposium “*Controversy at Harvard: Academic Freedom and Sex Differences*” the annual meeting of the *Society for Academic Freedom and Scholarship*, London, Ontario, May 2005.
30. **Panel Member** on “*Balancing Academic Responsibilities of your Faculty Members*” at *Academic Leaders’ Summer Conference*, Goderich, Ontario, June 2005.
31. ***Neurosteroids and Feeding.*** Invited speaker at the symposium “*Neurosteroid Biosynthesis and Actions in the Brain*” at the 89th annual meeting of the Endocrine Society, Toronto, Ontario, June 2007.
32. ***Sickness related gustatory conditioning: Comparing infection, toxicosis and provocative motion.*** Invited guest speaker, Department of Psychology, Guelph University, Guelph, Ontario, March, 2009.