

C U R R I C U L U M V I T A E

Benedict C. Albensi, PhD, BCMAS, CRQM
Tenured Full Professor of Pharmacology & Therapeutics
Max Rady College of Medicine
Univ. of Manitoba (*ranked top 23% globally – 1,678 schools *US News & World Report, 2021)

Editor-in-Chief, *Molecular Neurobiology*, Springer-Nature Pub.

Principal Investigator and Everett Endowment Fund Chair (for Alzheimer's research)
St. Boniface Hospital Res. (**ranked top 5 in Canada, #1 Western Canada, **Res. Infosource)
351 Tache Ave./ Lab 4050, Winnipeg, Manitoba, R2H 2A6 Canada

Office phone: 1-204-235-3942
USA cell phone: 1-973-668-0206
Office email: balbensi@sbrc.ca
LinkedIn: www.linkedin.com/in/benedict-albensi
Website: <http://www.sbrc.ca/albensi/>

GENERAL QUALIFICATIONS

CITIZENSHIP

USA: Born in New Jersey

EDUCATION & POSTDOCTORAL TRAINING

1997-99 Postdoctoral Scholar, Sanders-Brown Ctr. on Aging, University of Kentucky, Lexington, KY, Supervisor, Dr. Mark Mattson
1996-97 Postdoctoral Fellow, Georgetown Inst. Cognitive & Computational Sci., Georgetown Univ., Washington, DC, Supervisors, Drs. Alan Faden, James Pekar
1995 Ph.D. Neuroscience, Neuroscience Program, University of Utah School of Med.
1994 Certificate in Management, Univ. of Utah, Salt Lake City, UT
1992 M.A. in Biology, Sonoma State University, Rohnert Park, CA
1982 B.S. in General Science, University of Oregon, Eugene, OR

APPOINTMENTS & EMPLOYMENT

2020- Editor-in-Chief, journal *Molecular Neurobiology*, Springer Nature Pub.
2019- Scientific Advisor – Mitrix Bio. Inc. (formerly Mitochondrial Transfusion Co.)
2017- Member, Canadian Consortium on Neurodegeneration in Aging (CCNA)
2016- Full Professor, *Primary Appointment*, Dept. of Pharmacology & Therapeutics, Max Rady College of Medicine, Rady Faculty of Health Sciences, Univ. of Manitoba, Winnipeg, MB

Albenzi

- 2016- Co-Chair, Systems Integrity and Appeals, Site Accreditation and Standards Inst. (SASI). SASI created the first global standard for *clinical research* site quality management systems (SASI-QMS:2020-1). Link: <https://sasi-accreditation.org/index.html>, Virtual Office
- 2015-20 Manitoba Dementia Research Chair, Winnipeg, MB, Canada
- 2011- The Honourable Douglas Everett, Patricia Everett Endowment Fund Chair (Alzheimer's research), St. Boniface Hospital Research, Winnipeg, MB, Canada
- 2006- Research Affiliate, Centre on Aging, University of Manitoba. Winnipeg, MB, Canada
- 2006- Scientist, Children's Hospital Research Institute of Manitoba (CHRIM, formerly called MICH), University of Manitoba. Winnipeg, MB, Canada
- 2005- Principal Investigator, Div'n. of Neurodegenerative Disorders, St. Boniface Hospital Research Centre. Winnipeg, MB, Canada
- 2012-19 Biomedical Engineering Graduate Program Core Member, Faculties of Health Sciences, Engineering, & Science. University of Manitoba. Winnipeg, MB, Canada
- 2015-18 Visiting Professor, DeVry University, Chicago, IL, USA
- 2010-13 Adjunct Professor, Department of Electrical and Computer Engineering, Faculty of Engineering, University of Manitoba. Winnipeg, MB, Canada
- 2009-16 Associate Professor, *Primary Appointment*, Department of Pharmacology and Therapeutics, College of Medicine, Faculty of Health Sciences, Univ. of Manitoba. *Tenure granted 2014*. Winnipeg, MB, Canada.
- 2008-15 Adjunct Faculty, DeVry University, Online Programs, Chicago, IL, USA
- 2005-09 Assistant Professor, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba. Winnipeg, MB, Canada
- 2003-04 Adjunct Assistant Professor, Department of Biology, Case Western Reserve University, Cleveland, OH
- 2001-04 Project Staff (equivalent to Research Assistant Professor), Dept. of Neurological Surgery, The Cleveland Clinic Foundation, Cleveland, OH

Albenzi

- 1999-01 Research Contractor, Clinical Research Dept, Pfizer Global Research & Development, Inc., (*Formerly Parke-Davis Pharmaceutical Research/Warner-Lambert - Pfizer acquired Parke-Davis in June 2000*), Ann Arbor, MI
- 1987-91 Research Associate (pre-doctoral), Natural Product Science Pharmaceuticals, Inc. University of Utah - Research Park, Salt Lake City, UT
- 1986-87 Analytical Chemist (pre-doctoral), Multi-Tech Labs, ETTC (Environmental Chemistry & Toxicology), Rohnert Pk., CA

AWARDS, DISTINCTIONS & FELLOWSHIPS

Academic

- 2020 Seminar ranked #1 out of 56 talks at 11th Targeting Mitochondrial Congress
- 2020 University of Manitoba 2019 Merit Award (research) \$3,000
- 2020 A review of clinical treatment considerations of donepezil in severe Alzheimer's disease, link: <https://lnkd.in/evFQKqf> in *CNS Neuroscience & Therapeutics*. Top downloaded & most read paper for 2018-2019 according to Wiley Pub.
- 2020 Listed on Expertscape.com in top 1% of published authors worldwide for Alzheimer Disease (0.48%), neurocognitive disorders (0.76%), tauopathies (0.98%), dementia (0.85%), NF-kappa B (0.42%), memory (68%) & energy metabolism (0.68%)
- 2018 Weston Brain Institute Outstanding Achievement Award *Nominee*
- 2018 Invited to be chair of a DSMB for a TMS in Alzheimer's multinational study
- 2017 University of Manitoba 2016 Merit Award (research, service, teaching *combo*) \$3,000
- 2017 Canadian Consortium on Neurodegeneration in Aging (CCNA) member invitation
- 2016 Weston Brain Institute Outstanding Achievement Award *Nominee*
- 2015 Manitoba Dementia Research Chair, Wpg., MB
- 2013 Sanofi BioGENEius Challenge Canada Mentor Award, Wpg., MB
- 2012 Richard Hoeschen Award, \$1000-B.Sc. (Med) Student Supervisors, MMSF/SBGHRC, Wpg., MB
- 2011 Everett Endowment Fund Chair, Wpg., MB
- 2007 Sanofi-Aventis Biotech Challenge Award of Appreciation, Wpg., MB
- 1998 U. of Kentucky Med. Ctr., Spring Neurosci. Day, *1st Prize*-Best Poster (cash)
- 1996–97 Georgetown University Medical Center Research Fellowship
- 1994 William D. Carey Science Award – American Assoc. for the Advancement of Science (AAAS), PhD thesis proposal
- 1994 Medical Imaging Res. Lab Symp., Oral *Finalist*, Sundance, UT
- 1993 Graduate Research Fellowship Award, \$5,000, Univ. of Utah

Travel

- 2006 Univ. of Manitoba Faculty Travel Fund, \$1000, Wpg, MB
- 2003 NIH - NINDS Travel Award, International Geriatric Epilepsy Symposium, Coral Gables, FL
- 1994 Surrey Medical Imaging Systems Travel Stipend

Albeni

1994 William D. Carey Science Award (travel component – cross listed above) – American Assoc. for the Advancement of Science

Industrial

1999 Warner-Lambert's Colleague Recognition Award (cash award)

1987 Multi-Tech Labs., ETTC Corp., Achievement Award

CERTIFICATIONS

2020 Foundations of Health Equities Research, Johns Hopkins Univ. Bloomberg School of Public Health

2019 CDR – Clinical Dementia Rating, <https://knightadrc.wustl.edu>

2019 MoCA – Montreal Cognitive Assessment, <https://www.mocatest.org/>

2019 Protecting Human Research Participants, Certification, No 2825782 (renewal)

2019 Computer-based Clinical Research Training Course, NIH (renewal)

2018 Pharmacoeconomics Certificate, ACMA <https://www.medicalaffairsspecialist.org>

2017 BCMAS - Board Certification in Medical Affairs Specialist, ACMA

2017 CRQM - Clinical Research Quality Manager Certification, QMI

2012-13 LEADS in a Caring Environment Framework; 12 session (5 mos) leadership certificate program, George and Fay Yee Centre for Healthcare Innovation, Faculty of Medicine, Univ. of Manitoba, Wpg., MB

2012 Vaccine Trials: Methods and Best Practices. Johns Hopkins Univ. Bloomberg School of Public Health

2012 Computer-based Clinical Research Training Course, NIH

2012 Protecting Human Research Participants, Certification, NIH No. 879504

2012 Ethical Conduct for Research Involving Humans Course, TCPS 2: CORE

1994 Certificate in Management, Univ. of Utah (cross-listed under education)

LANGUAGES SPOKEN

English – native tongue; Italian – intermediate; French – intermediate

RESEARCH

RESEARCH FUNDING

Total: > 11 million dollars received to date for grants as PI, co-PI, co-applicant, team grants, collaborator, or supervisor (operating and equipment).

Active research funding

- 2021 Contract. Research partnership with Mitrix Bio Inc. (formerly called Mitochondrial Transfusion), Pleasanton, CA, USA. \$84,284/year CAD.
- 2019-22 Effects of dietary flaxseed on memory and cognition (clinical trial in suspected Alzheimer subjects). Canadian Agricultural Partnership (CAP). Principal Investigator (PI). \$430,746 total over 3 years. Grant number: 1000219580.
- 2019-24 Sex-based Differences Associated with Mitochondrial Dysfunction in Alzheimer's Disease. Canadian Inst. of Health Research (CIHR). PI. \$725,985 total over 5 years (15% success rate for this grant competition; was ranked 3rd out of 6 for funded grants (40 total grants submitted)). Grant number: PJT-162144.
- 2019-2024 Canadian Dementia Strategy-Team Grant. Phase II. \$46 million dollars to be distributed competitively among Canadian Consortium on Neurodegeneration in Aging (CCNA) members. See announcement link: <https://www.sbrc.ca/2019/06/canadian-consortium-on-neurodegeneration-in-aging-ccna-phase-2-funding-announcement-includes-mb-researchers/>
- 2017-20 Douglas and Patricia Everett Endowment - Douglas & Patricia Everett Endowment for Alzheimer's research (renewal). PI & Chair. Year 1, \$64,940; Year 2, \$68,282.70; Year 3, \$74,074.
- 2015-20 Basic and Patient-Oriented Dementia Research: Linking Novel Methods for Early Stage Detection with Understanding Pathological Mechanisms in Dementia. Manitoba Dementia Research Chair Award, Research Manitoba/Alzheimer's Society of Manitoba. PI & Chair, \$500,000 total. \$100,000/year over 5 years.

Grants submitted

- 2020 A Double-blind, Randomized, Placebo Controlled Study to Evaluate the Safety and Efficacy of Transcranial Magnetic Stimulation (TMS) with or without Cognitive Training in Mild to Moderate Alzheimer's Disease (AD). RO1. In collaboration with TMS Achieve and ActivMed. PI. *Submitted* to NIH-NIA.

Past research funding

- 2014-19 Canadian Consortium on Neurodegeneration in Aging (CCNA). Team Theme 1 – Clinical Genetics and Gene Discovery. Co-applicant. \$6,063,172 (partial funding received for travel to meetings for trainees). Grant number: CAN 137794.

Albeni

- 2014-19 Mitochondrial Function, Neural Plasticity, and Memory. Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant. PI. \$130,000 total, \$26,000/year over 5 years.
- 2017-18 St. Boniface Hospital Foundation - Donation. Brain & Nerve Disease Research. PI, \$4,650.
- 2014-17 Douglas and Patricia Everett Endowment - Douglas & Patricia Everett Endowment for Alzheimer's research. PI & Chair. Year 1, \$42,697; Year 2, \$54,320. Year 3, \$60,974.
- 2015-16 High Resolution Magnetic Resonance Microscopy Centre. Strategic Investment in Research and Innovation (SIRI) Grant. Research Manitoba. Collaborator (Dr. Melanie Martin, PI). \$212,165 total. Year 1, \$187,165; Year 2, \$25,000.
- 2014-15 St. Boniface Hospital Foundation - Donation. Alzheimer's research. PI, \$4,650.
- 2014-15 Edward Family Endowment. Donation. Alzheimer's research. PI, \$100,000 total.
- 2011-14 Douglas and Patricia Everett Endowment. Donation. Alzheimer's research. PI & Chair. Year 1, \$40,559; Year 2, \$24,466; Year 3, \$35,663.
- 2012 Novel Technology for Early Diagnosis of Alzheimer Disease using Virtual Reality Psychophysical Experiments. Collaborative Health Research Projects (CHRP) sponsored by NSERC/CIHR, Industrial Technology Ctr. Co-PI, \$50,000.
- 2009-14 The Role of p50 NF- κ B and Egr-2 in Long Term Potentiation and Memory. Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grant. PI. \$125,000 total, \$25,000/year over 5 years.
- 2008-13 Regulation of Brain Adenosine Levels by Ecto-enzymes and Membrane Transporters. CIHR, Operating Grant. Co-PI, \$599,205 total, ~\$119,841/year over 5 years.
- 2010-12 Stroke Injury in Genetic Mouse Models. Heart and Stroke Foundation of Canada (HSFC), Renewal, Co-PI, \$100,000 total, \$50,000/year over 2 years.
- 2008-10. Hippocampal Gene Expression Profiling and the Possible Involvement of Homer1 in Alzheimer's Disease. Alzheimer's Society of Canada. Principal Applicant, \$130,000 total, \$65,000/year over 2 years.
- 2009-10. Memory-Associated Gene-Expression Profiling During Aging. University of Manitoba's Centre on Aging, Operating Grant, PI, \$10,000 total over 1 year.

Albenzi

- 2009 CFI-Partnering Grant. St Boniface Hospital and Research Foundation, Open Grants Competition, PI, \$6,500 total over one year.
- 2008-10 Stroke Injury in Genetic Mouse Models. Heart and Stroke Foundation of Canada (HSFC), Co-PI, \$90,000 total, \$45,000/year over 2 years.
- 2005-10 Multidisciplinary 2-Photon Imaging of Calcium and Mitochondrial Dysregulation in Intact Tissues. Canada Foundation for Innovation (CFI) – Equipment Grant, Co-PI, \$1,004,835 total over 5 years.
- 2007-09 Regulation of Adenosine Levels. CIHR, Operating Grant (funded by RPP - MHRC). Co-Applicant, \$182,184 total, \$91,092/year.
- 2006-09 The Role of sAPP and NF- κ B in Alzheimer's Disease, Scottish Rite Charitable Foundation of Canada, PI, \$105,000 total, \$35,000/year over 3 years.
- 2006-09 Roles for PS1 Mutations, Calcium Overload, and NF- κ B Activation in Synaptic and Cognitive Dysfunction, MHRC, Establishment grant. PI, \$100,000 total, ~\$33,333/year over 3 years.
- 2007-08 Regulation of GABAergic Interneuron Migration and Differentiation in the Vertebrate Forebrain by DLX Transcription Factors. Manitoba Inst. of Child Health (MICH), Operating Grant. Co-Applicant, \$45,000 total, \$22,500/year over 2 years.
- 2006-08 Roles of PS1 Mutations and NF- κ B in Synaptic Plasticity and Alzheimer's Disease, Manitoba Health Research Council (MHRC), Operating grant. PI, \$100,000 total, \$50,000/year over 2 years.
- 2007 Programmable Stimulus Generator and Multielectrode Array to Investigate New Electrical Stimulation Protocols for Relief from Seizure-Like Activity, Natural Sciences & Research Council of Canada (NSERC), Research Tools & Instruments Grant. Co-Applicant, \$79,835 total over one year.
- 2007 Diffusion-Weighted Imaging for Identifying Markers Associated with Brain Injury Leading to Alzheimer's Disease. Manitoba Medical Service Foundation (MMSF), Principal Invest., \$35,000 total 1 year.
- 2006-07 Multidisciplinary 2-Photon Imaging of Calcium and Mitochondrial Dysregulation in Intact Tissues. Canada Foundation for Innovation (CFI) – Infrastructure Support, Co-PI, \$119,000 total over 2 years.
- 2006-07 Novel Electrical Stimulation Protocols for Relief From Epileptic Seizure-Like Activity, Dr. Paul H.T. Thorlakson Foundation Fund, Co-PI, \$29,500 total over 2 years.

Albeni

- 2005 Start-Up Operating Funds. St. Boniface General Hospital Research Foundation and University of Manitoba (VP Research office; Dean of Medicine office; Dept. of Pharmacology & Therapeutics), PI, Staff Budgets for 3 yrs: \$50,000/yr, (St. Boniface). Supplies/equipment: \$150,000 (Univ. Manitoba and St. Boniface); Total \$300,000.
- 2002 A Model of the Human Blood Brain Barrier Using Human Endothelial and Glial Cells. Berkeley Citizens Commission/Bayer Pharmaceutical Division, PI, \$25,000 USD total.
- 1997-98 MRI of Brain Injury in TNF Double Knock-Out Mice. Univ. of Kentucky, MRI Center Pilot Project Grant Award (during postdoc. appointment), PI, \$1,125 USD total.
- 1996-97 Postdoctoral Fellowship, Georgetown Institute for Cognitive and Computational Sciences and Department of Neurology, Georgetown University Medical Center, Advisor: James Pekar, Ph.D., Washington, DC. \$32,000/year.
- 1993-94 MRI of Hypoxic-Ischemic Injury in Neonatal Mice. Univ. of Utah Graduate Research Fellowship Grant (during PhD studies), PI, \$5,000 USD total.

Past funding to Dr. Albeni for training of postdoctoral fellows and graduate students

List below does not include funding awards given directly to students; see teaching section for listing of funding, scholarships, & other academic awards granted directly to trainees under my supervision.

- 2016 Research Manitoba, Postdoctoral Fellowship Award, \$36,750/yr for 2 yrs plus \$1500/year for travel, Aida Adlimoghaddam, PhD, postdoctoral fellow.
- 2015 Research Manitoba, Postdoctoral Fellowship Award, (\$36,750/yr for 2 yrs plus \$1500/year for travel), Jelena Djordjevic, PhD, postdoctoral fellow.
- 2014 Manitoba Health Research Council (MHRC), Postdoctoral Fellowship, \$36,750/yr for 2 yrs plus \$1500/year for travel, Wanda Snow, PhD, postdoctoral fellow.
- 2014 Alexander Graham Bell Canada Graduate Scholarship-Natural Sciences and Engineering Research Council (NSERC)/CGS-M. Salary award for graduate work (\$17,500 for 1 yr), Chris Cadonic MSc student.
- 2013 Canada Career Focus, \$1180.
- 2010 Manitoba Health Res. Coun. Grad. (MHRC) Student Fellowship, \$17,850/year for 2 years, Payam Pahlavan - MSc student.
- 2009 Service Canada, Government of Canada, \$1,590.
- 2008 Manitoba Health Res. Council (MHRC) Grad. Student Fellowship, \$17,850, Solmaz Nafez, MSc student.
- 2007 Manitoba Health Research Council (MHRC), Postdoctoral Fellowship Award, \$36,750, Dr. Kensuke Oikawa, MD, PhD, postdoctoral fellow.
- 2007 Service Canada, Government of Canada, \$1,400.

Albeni

- 2007 Service Canada, Government of Canada, \$1,400.
2007 Service Canada, Government of Canada, \$1,400.
2006 Univ. of Manitoba Faculty Fund Fellowship, \$26,000 - Dr. Kensuke Oikawa, MD, PhD, postdoctoral fellow.
2006 Summer Career Placement Grant., HRSDC Government of Canada, PI, \$2,671.
2006 Summer Career Placement Grant. HRSDC, Government of Canada, PI, \$1,330.
2005 Summer Career Placement Grant. HRSDC, Government of Canada, PI, \$4,466.
2005 Summer Career Placement Grant. HRSDC, Government of Canada, PI, \$1,512.

PUBLICATIONS & PRESENTATIONS - NIH-NCBI, MY BIBLIOGRAPHY LINK

Total: >255 which includes peer reviewed experimental studies, proceedings, reviews, book chapters, books, abstracts, online, and non-peer reviewed articles, and seminars etc.

<https://www.ncbi.nlm.nih.gov/myncbi/benedict.albeni.1/bibliography/public/>

Top 3 Highly Cited Papers:

Albeni and Mattson, *Synapse* 35:151, 2000 (by **589**)

Marchi et al., *Restorative Neurosci & Neurol* 21:109, 2003 (by **269**)

Albeni et al., *Exp Neuro* 162:61, 2000 (by **157**)

Source - <http://scholar.google.com> – updated Feb. 2021

Paper with Highest Impact Factor:

Babulal, Yakeel, Albeni et al., Perspectives on ethnic and racial disparities in Alzheimer's disease and related dementias: Update and areas of immediate need. *Alzheimer's & Dementia* 15(2):292-312, 2019. **2019 Impact Factor = 14.4**

PUBLICATIONS

Peer-Reviewed Journal Articles (trainees are underlined)

****Note: My student, K. Collister changed her name to K. Glazner upon getting married****

- 2021 S. Alashmali, C. Walchuk, C. Cadonic, **B.C. ALBENSI**, M. Aliani, M. Suh. The effect of choline availability from gestation to early development on brain and retina functions and phospholipid composition in a mouse model. *Nutritional Neuroscience*. NNS2155 Accepted.
- 2020 A. Adlimoghaddam, and **B.C. ALBENSI**. The nuclear factor kappa B (NF- κ B) signaling pathway is involved in ammonia-induced mitochondrial dysfunction. *Mitochondrion*. Accepted. Online at DOI: 10.1016/j.mito.2020.12.008
- 2020 W.M. Snow, C. Cadonic, C. Perez, A. Adlimoghaddam, S.K. Roy Chowdhury, E. Thomson, A. Anozie, M. J. Bernstein, K. Gough, P. Fernyhough, M. Suh, **B.C. ALBENSI**. Sex-specific effects of chronic creatine supplementation on hippocampal-mediated spatial cognition in the 3xTg mouse model of Alzheimer's disease. *Nutrients*. Nov. 23; 12(11):3589.
- 2020 A. Adlimoghaddam, G. Odero, G. Glazner, R.S. Turner, and **B.C. ALBENSI**. Nilotinib Improves Brain Mitochondrial Bioenergetics, Biogenesis, Autophagy, and Levels of Memory-associated Proteins in an *in vitro* Alzheimer's Disease Model *Aging & Disease*. 12(3) Online now. Print copy appears June 2021.

- 2020 N. Olson and **B.C. ALBENSI**. Race- and Sex-Based Disparities in Alzheimer’s Disease Clinical Trial Enrollment in the United States and Canada: An Indigenous Perspective. *Journal of Alzheimer’s Disease Reports*. 4(1):325-344.
- 2020 J. Djordjevic, S.K. Roy Chowdhury, W.M. Snow, C. Perez, C. Cadonic, P. Fernyhough, **B.C. ALBENSI**. Early onset of sex-dependent mitochondrial deficits in the cortex of 3xTg Alzheimer’s mice. *Cells*. 9(6): 1541.
- 2020 J. Puig, C. Biarnes S. Pedraza, J. C. Vilanova, R. Pamplona, J. M. Fernández-Real, R. Brugada, R. Ramos, G. Coll-de-Tuero, L. Calvo-Perxas, J. Serena, L. Ramió-Torrentà, J. Gich, L. Gallart, M. Portero-Otin, A. Alberich-Bayarri, A. Jimenez-Pastor, E. Camacho-Ramos, J. Mayneris-Perxachs, V. Pineda, R. Font, A. Prats-Puig, M.-L. Gacto, G. Deco, A. Escrichs, B. Clotet, E. Negredo, R. Paredes, B. Triaire, M. Rodríguez, A. Heredia-Escámez, R. Coronado, W. de Graaf, V. Prevost, A. Mitulescu, P. Daunis-i-Estadella, S. Thió-Henestrosa, F. Miralles, V. Ribas-Ripoll, M. Puig-Domingo, M. Essig, C. R. Figley, T. D. Figley. **B. ALBENSI**, A. Ashraf, J. HC Reiber, G. Schifitto, Md N. Uddin, C. Leiva-Salinas, M. Wintermark, K. Nael, J. Vilalta-Franch, J. Barretina, J. Garre-Olmo. The Aging Imageomics Study Rationale, design and baseline characteristics of the study population. *Mechanisms of Ageing and Development*. 189:111257.
- 2020 R.S. Turner, T. Stubbs, D. Davies and **B.C. ALBENSI**. Potential New Approaches for Diagnosis of Alzheimer’s Disease and Related Dementias. *Frontiers in Neurology*. 11: 496.
- 2019 **B.C. ALBENSI**, What is NF-κB doing in and to the Mitochondrion? *Frontiers in Cell and Developmental Biology*. 7(154):1-7.
- 2019 A. Adlimoghaddam, WM Snow, G. Stortz, AL Goertzen, JH Ko, J Djordjevic, C Perez, **BC ALBENSI**, Regional hypometabolism in the 3xTg mouse model of Alzheimer’s disease, *Neurobiol. of Disease*. 127:264-277.
- 2019 M. Islam, P. Nagakannan, O. Ogungbola, J. Dordevic, **B. ALBENSI**, E. Eftekharpour, Thioredoxin system as a gatekeeper in caspase-6 activation and nuclear lamina integrity: Implications for Alzheimer’s Disease, *Free Radical Biol. and Med*. 134:567-580.
- 2019 W.M. Snow, K. Oikawa, J. Djordjevic and **B.C. ALBENSI**. Strain differences in hippocampal synaptic dysfunction in the TgCRND8 mouse model of Alzheimer’s disease: implications for improving translational capacity. *Molec & Cellular Neurosci*. 94: 11-22.
- 2019 G. M. Babulal, Y. T. Quiroz, **B.C. ALBENSI**, E. Arezana-Urquijo, A. J. Astell, C. Babiloni, A. Bahar-Fuchs, J. Bell, G. L. Bowman, A. Brickman, G. Chételat, C. Ciro, A. D. Cohen, P. Dilworth-Anderson, H. H. Dodge, S. Dreux, S. Edland, A. Esbensen, L. Evered, M. Ewers, K. N. Fargo, J. Fortea, H. Gonzalez, D. R. Gustafson, E. Head, J. A. Hendrix, S. M. Hofer, L. A. Johnson, R. Jutten, K. Kilborn, K. L. Lancôt, J. J. Manly, R. N. Martins, M. M. Mielke, M. C. Morris, M. E. Murray, E. S. Oh, M. A. Parra, R. A. Rissman, C. M. Roe, O. A. Santos, N. Scarmeas, L. S. Schneider, N. Schupf, S. Sikkes, H. M. Snyder, H. R. Sohrabi, Y. Stern, A. Strydom, T. Tang, G. M. Terrera, C. Teunissen, D. M. van Lent, M. Weinborn, L. Wesselman, D. M. Wilcock, H. Zetterberg, & S. O’Bryant, on behalf of the International Society to Advance Alzheimer’s Research and Treatment, Alzheimer’s Association. Perspectives on Ethnic and Racial Disparities in Alzheimer’s Disease and Related Dementias: Update and Areas of Immediate Need. *Alzheimer’s & Dementia*. 15(2): 292-312.

- 2018 N. Atefi, T. Vakil, Z. Abyat, S.K. Ramlochun, G. Bakir, I. M. C. Dixon, **B.C. ALBENSI**, T.E.S. Dahms, K.M. Gough. Infrared Spectroscopy: New Frontiers Both Near and Far. *Spectroscopy* (Santa Monica). Sept 33(9):34-38.
- 2018 A. Adlimoghaddam, M. Neuendorff*, B. Roy, **B.C. ALBENSI**. A Review of Clinical Treatment Considerations of Donepezil in Severe Alzheimer's Disease. *CNS Neuroscience & Therapeutics*, Oct 24(10): 876-888. *This author is a co-first author.
- 2018 A. Adlimoghaddam, B. Roy, **B.C. ALBENSI**, Future Trends and the Economic Burden of Dementia in Manitoba: Comparison with the Rest of Canada and the World. *Neuroepidemiology*. 51(1-2):71-81.
- 2018 S. R. Chowdhury, J. Djordjevic, E. Thomson, D.R. Smith, **B.C. ALBENSI**, P. Fernyhough. Depressed mitochondrial function and electron transport Complex II mediated H₂O₂ production in the cortex of type 1 diabetic rodents. *Molec. Cell Neurosci*. 90:49-59.
- 2018 Snow WM, Cadonic C, Cortes-Perez C, Roy Chowdhury SK, Djordjevic J, Thomas E, Bernstein MJ, Suh M, Fernyhough P, **ALBENSI B.C.** Chronic dietary creatine enhances hippocampal-dependent spatial memory, bioenergetics, and levels of plasticity-related proteins associated with NF-κB. *Learning and Memory*, 25: 54-66.
- 2017 J. Dordevic, E. Thomson*, S.R. Chowdhury, W. Snow, C. Perez; Tak Pan Wong, P. Fernyhough and **B.C. ALBENSI**. Brain region- & sex-specific alterations in mitochondrial function & NF-κB signaling in the TgCRND8 mouse model of Alzheimer's disease. *This author is a co-first author. *Neuroscience*, 361:81-92.
- 2017 W. Snow, R. Dale, Zoe O'Brien-Moran, R. Buist, D. Pierson, M. Martin and **B.C. ALBENSI**. In Vivo Detection of Grey Matter Neuropathology in the 3xTg mouse model of Alzheimer's disease with Diffusion Tensor Imaging. *Journal of Alzheimer's Disease*, 58(3):841-853.
- 2016 W. Snow, **B.C. ALBENSI**. Neuronal gene targets of NF-κB and their dysregulation in Alzheimer's disease. *Frontiers in Molecular Neuroscience*. Nov 9;9:118.
- 2016 A. Adlimoghaddam, M. G. Sabbir, **B.C. ALBENSI**. Ammonia as a Potential Neurotoxic Factor in Alzheimer's Disease. *Frontiers in Molec Neuroscience*, 9:57.
- 2016 K. Oikawa, G.L. Odero, S. Nafez, N. Ging, D. Zhang, H. Kobayashi, K. Sato, S. Kimura, M. Tateno and **B.C. ALBENSI**. Visinin-like protein-3 modulates the interaction between cytochrome *b5* and NADH-cytochrome *b5*-reductase in a Ca⁺⁺ dependent manner. *Cell Biochemistry and Biophysics*, Dec;74(4):449-457.
- 2016 S.I. Omar, **B.C. ALBENSI** and K. Gough. Modelling the binding of Ca²⁺ and Zn²⁺ to Calbindin D_{28k} and understanding their competition through protein structural analysis. *Current Alzheimer Research*, 13(7): 777-86.
- 2016 J. Djordjevic, M.G. Sabbir and **B.C. ALBENSI**. Traumatic brain injury as a risk factor for Alzheimer's disease: Is inflammatory signaling a key player? *New Concepts in Alzheimer's Research in Current Alzheimer Research*, 13(7):730-8.
- 2016 C. Cadonic, M.G. Sabbir and **B.C. ALBENSI**. Mechanisms of Mitochondrial Dysfunction in Alzheimer's Disease. *Molecular Neurobiology*, Nov;53(9):6078-6090.
- 2015 S.R. Chowdhury, J. Djordjevic*, **B.C. ALBENSI** and P. Fernyhough. Simultaneous evaluation of substrate-dependent oxygen consumption rates and mitochondrial membrane potential by TMRM and safranin in cortical mitochondria, *Bioscience Reports*, 36(1), e00286. *This author is a co-first author.

- 2015 W.M. Snow, P.S. Pahlavan, J. Djordjevic, G. McAllister, E.E. Platt, S. Alashmali, M.J. Bernstein, M. Suh, and **B.C. ALBENSI**. Morris water maze training in mice elevates hippocampal levels of transcription factors nuclear factor (erythroid-derived 2)-like 2 and nuclear factor kappa B p65. *Frontiers Molecular Neuroscience*, 8:70.
- 2015 S. Nafez, K. Oikawa, G.L. Odero, M. Sproule, N. Ge, J. Schapansky, B. Abrenica, A. Hatherell, C. Cadonic, S. Zhang, X. Song, T. Kauppinen, G.W. Glazner, M. Grilli, M.P. Czubyrt, D.D. Eisenstat and **B.C. ALBENSI**. Early Growth Response 2 (Egr-2) Expression is Triggered by NF- κ B Activation. *Molecular and Cellular Neuroscience*. 64:95-103.
- 2014 C. Cadonic and **B.C. ALBENSI**. Oscillations and NMDA receptors: their interplay create memories. *Aims Neuroscience*. 1(1):52-64. *Invited Review*.
- 2014 W.M. Snow, B.M. Stoesz, D. Kelly and **B.C. ALBENSI**. Roles for NF- κ B and Gene Targets of NF- κ B in Synaptic Plasticity, Memory, and Spatial Orientation. *Molecular Neurobiology*. Apr;49(2):757-7.
- 2013 M.Z. Kastyak-Ibrahim, D.L. Di Curzio, R. Buist, S. Herrera, S. Feng, J. Kong, X.M. Li, **B.C. ALBENSI**, M.R. Del Bigio, M. Martin. Neurofibrillary tangles and plaques are not accompanied by white matter pathology in aged triple transgenic-Alzheimer disease mice. *Magnetic Resonance Imaging*. Nov;31(9):1515-21.
- 2013 C. Liao, M. Rak, J. Lund, M. Unger, E. Platt, **B.C. ALBENSI**, C. Hirschmugl, K. Gough. Synchrotron FTIR reveals lipid around and within amyloid plaques in transgenic mice and Alzheimer's Disease brain. *Analyst*. 138(14):3991-7.
- 2013 S. Chu, Wei Xiong, D. Zhang, H. Soylyu, C. Sun, **B.C. ALBENSI**, F.E. Parkinson. Regulation of adenosine levels during cerebral ischemia. *Acta Pharmacologica Sinica*. 34(1):60-6. *Invited review*.
- 2012 D. Zhang, S. Chu, C. Sun, W. Xiong, **B.C. ALBENSI**, F. E. Parkinson. Inhibition of synaptic activity in hippocampus by ATP, hypoxia or oxygen-glucose deprivation does not require CD73. *PloS One* 7(6):e39772.
- 2012 K. Oikawa, G.L. Odero, E. Platt, M. Neuendorff, A. Hatherell, M.J. Bernstein, and **B.C. ALBENSI**. NF- κ B p50 Subunit Knockout Impairs Late LTP and Alters Long Term Memory in the Mouse Hippocampus. *BMC Neuroscience* 13:45, 2012. *Noted as "Highly Accessed" by publisher on Oct 10, (989 times)*.
- 2012 H. Soylyu, D. Zhang, R. Buist, M. Martin, **B.C. ALBENSI**, F.E. Parkinson. Intracortical injection of endothelin-1 induces cortical infarcts in mice: effect of neuronal expression of an adenosine transporter. *Experimental & Translational Stroke Medicine* 4(1):4.
- 2012 D. Stitt, M. Z. Kastyak-Ibrahim, C. R. Liao, J. Morrison, **B.C. ALBENSI**, K.M. Gough. Tissue acquisition and storage associated oxidation considerations for FTIR microspectroscopic imaging of polyunsaturated fatty acids. *Vibrational Spectroscopy* 60:16-22.
- 2012 M.Z. Kastyak-Ibrahim, M.J. Nasse, M. Rak, C. Hirschmugl, M.R. Del Bigio, **B.C. ALBENSI** and K.M. Gough. Biochemical label-free tissue imaging with subcellular-resolution synchrotron FTIR-FPA. *NeuroImage* 60: 376–383.

- 2011 S. Kost, C. Sun, W. Xiong, K. Graham, C. E Cass, J.D. Young, **B.C ALBENSI**, F.E Parkinson. Behavioral effects of elevated expression of human equilibrative nucleoside transporter 1 in mice. *Behavioral Brain Research* 224(1):44-9.
- 2011 D. Zhang, R. Buist, W. Xiong, J. Peeling, **B.C. ALBENSI**, F.E. Parkinson. Expression of human equilibrative nucleoside transporter 1 (hENT1) in mouse neurons regulates adenosine levels in physiological and hypoxic-ischemic conditions. *Journal of Neurochemistry* 118(1):4-11.
- 2010 J. Thiessen, K.A.C. Glazner, S. Nafez, A. Schellenberg, R. Buist, M. Martin, and **B.C. ALBENSI**. Histochemical visualization and diffusion weighted imaging in the TgCRND8 transgenic model of Alzheimer's disease. *Brain Structure and Function* 215(1): 29-36.
- 2010 K.A.C. Glazner, G. Odero*, D. Grossman, E. Anema, A. Motnenko, J. Schapansky, D. Oliver, G. Glazner and **B.C. ALBENSI**. Strain Specific Differences in Memory and Neuropathology in a Mouse Model of Alzheimer's Disease. *Life Sciences* 86: 942-950. *This author is a co-first author.
- 2010 G.L. Odero, K. Oikawa*, K.A.C. Glazner, D. Grossman, J. Thiessen, J. Schapansky, N. Ge, M. Martin, G.W. Glazner, and **B.C. ALBENSI**. Evidence for the Involvement of Calbindin D28k in the Presenilin 1 Model of Alzheimer's Disease. *Neuroscience* 169: 532-543. *This author is a co-first author.
- 2009 J. Schapansky, M. Morissette, G. Odero, **B. ALBENSI**, G. Glazner. Neuregulin β 1 Enhances Peak Glutamate-induced Intracellular Calcium Levels through Endoplasmic Reticulum Calcium Release in Cultured Hippocampal Neurons. *Canadian Journ. Physiology and Pharmacology* 87:883-891. *Invited peer-reviewed experimental paper submission for special issue celebrating 125th anniversary of the Faculty of Medicine at the Univ. of Manitoba.*
- 2008 **B.C. ALBENSI**. Can in vitro assessment provide relevant end points for cognitive drug programs? *Expert Opinion on Drug Discovery* 3(12):1377-1382. *Invited review.*
- 2008 **B.C. ALBENSI**, J. Toupin*, K. Oikawa, and D.R. Oliver. Controlled pulse delivery of electrical stimulation differentially reduces epileptiform activity in Mg²⁺-free treated hippocampal slices. *Brain Research* 1226: 163-172. *This author is a co-first author.
- 2007 G. Odero, F. Amara, **B.C. ALBENSI**. Un-educating Creativity: a Case for a Greater Emphasis on Creativity in Medical Education. *Journal of the International Assoc of Med Sci Educators* 17(2): 87-94. *Review.*
- 2007 J.D. Thiessen, K.A. Collister, L.M. Kurjewicz, M.R. Del Bigio, **B.C. ALBENSI**, M. Martin. Magnetic Resonance Imaging and Behavioural Test Comparisons in a Mouse Model of Alzheimer's Disease. *Physics in Canada* 63(3): 134-137.
- 2007 **B.C. ALBENSI**, The NMDA Receptor/Ion Complex in Synaptic Plasticity and Excitotoxicity. *Curr Pharm Design* 13(31):3185-3194. *Invited review.*
- 2007 **B.C. ALBENSI**, D. R. Oliver, J. Toupin and G. Odero. Electrical Stimulation Protocols for Hippocampal Synaptic Plasticity and Neuronal Hyper-excitability: Are They Effective or Relevant? *Exp Neurol* 204(1): 1-13. *Review.*
- 2004 **B.C. ALBENSI**, E. Ilkanich, G. Dini and D. Janigro. Elements of Scientific Visualization in Basic Neuroscience Research. *BioScience* 54(12): 1127-1137. *Review.*
- 2004 **B.C. ALBENSI**, E. Ilkanich, D. Janigro, C. Igoechi. Why do Many NMDA Antagonists Fail, While Others are Safe and Effective at Blocking Exitotoxicity Associated With

- Dementia and Acute Injury? *American Journal of Alzheimer's Disease and Other Dementias* 19(5):269-274.
- 2004 **B.C. ALBENSI**, G. Ata, E. Schimdt, J. Waterman, D. Janigro. Activation of Long-Term Synaptic Plasticity Causes Suppression of Epileptiform Activity in Rat Hippocampal Slices. *Brain Research* 998(1):56-64.
- 2003 N. Marchi, P. Rasmussen, M. Kapural, V. Fazio, K. Kight, M.R. Mayberg, A. Kanner, B. Ayumar, **B.C. ALBENSI**, M. Cavaglia, D. Janigro. Peripheral markers of brain damage and blood-brain barrier dysfunction. *Restor Neurol Neurosci* 21(3,4):109-121.
- 2003 **B.C. ALBENSI** and Damir Janigro. Traumatic Brain Injury and its Effects on Synaptic Plasticity. *Brain Injury* 17(8):653-63. *Invited review*.
- 2001 **B.C. ALBENSI**. Potential Roles for Tumor Necrosis Factor and nuclear factor kappa B in Seizure Activity. *J Neurosci Res* 66(2): 151-154.
- 2001 **B.C. ALBENSI**. Models of Brain Injury and Alterations in Synaptic Plasticity. *J Neurosci Res* 65(3): 279-283.
- 2000 **B.C. ALBENSI**, N. Alasti and A.L. Mueller. Long-term potentiation in the presence of NMDA receptor antagonist arylalkylamine spider toxins. *J Neurosci Research* 62(2):177-185.
- 2000 **B.C. ALBENSI**, P. Sullivan, M. Thompson, S. Scheff and M.P. Mattson. Cyclosporin Ameliorates Traumatic Brain Injury-Induced Alterations of Hippocampal Synaptic Plasticity *Exp Neurol* 162(2):385-389.
- 2000 **B.C. ALBENSI**, S. Knoblach, B.G.M. Chew, M.P. O'Reilly, A.I. Faden and J.J. Pekar. Diffusion and High Resolution MRI of Traumatic Brain Injury in Rats: Time Course and Correlation with Histology. *Exp Neurol* 162: 61-72. *Featured on cover*.
- 2000 **B.C. ALBENSI** and M.P. Mattson. Evidence for the Involvement of TNF and NF- κ B in Hippocampal Synaptic Plasticity. *Synapse* 35: 151-159.
- 1999 **B.C. ALBENSI**, M. P. Schweizer, T. M. Rarick and F. Filloux. Unilateral Hypoxic-Ischemic Injury in the Neonatal Rat Brain Evaluated by In Vivo MRI: Correlation with Histopathology and Neuroprotection by MK801. *Invest Radiol* 34(4): 249-261.
- 1998 **B.C. ALBENSI** and J.H. Powell. The Differential Optomotor Response of the Four-eyed Fish, *Anableps anableps*. *Perception* 27: 1475-1483.
- 1998 **B.C. ALBENSI**, M. P. Schweizer, T. M. Rarick and F. Filloux. Magnetic resonance imaging of hypoxic-ischemic brain injury in the neonatal rat. *Invest Radiol* 33(7): 377-385.
- 1993 **B.C. ALBENSI**, K.T. Ryujin, J.M. McIntosh, S.R. Naisbitt, B.M. Olivera and F.M. Filloux. Localization of [125I] ω -conotoxin GVIA binding sites in human hippocampus and cerebellum. *NeuroReport*, 4(12): 1331-1334.
- 1991 A.L. Mueller, **B.C. ALBENSI**, A.H. Ganong, L. Reynolds and H. Jackson. Arylamine spider toxins antagonize NMDA receptor-mediated synaptic transmission in rat hippocampus: An in vitro electrophysiological study. *Synapse* 9: 244-250.
- 1991 T.N. Parks, A.L. Mueller, L.D. Artman, **B.C. ALBENSI**, H. Jackson, V.J. Jasys, N.A. Saccomano, R.A. Volkman. Arylamine toxins from funnel-web spider (*Agelenopsis aperta*) venom act as *N*-Methyl-D-Aspartate receptor antagonists in mammalian brain. *J Biol Chem*, 266(32): 21523-21529.

Manuscripts Submitted, In Preparation, or Under Revision for Peer-Review

- M. Eshraghi, A. Adlimoghaddam, A. Mahmoodzadeh, F. Sharifzad, H. Yasavoli-Sharahi, S. Lorzadeh, **B.C. ALBENSI**, S. Ghavami. Alzheimer's Disease Pathogenesis: Role of Autophagy and Mitophagy focusing in Microglia. International Journal of Molecular Sciences. Number: ijms-1105769. *Under Review*.
- C. Cadonic, E. Thomson, W. Snow, D. McAllister, S. R. Chowdhury, P. Fernyhough, J. Fiege, **B.C ALBENSI***, S. Portet, Modelling Mitochondrial Electron Transport Chain Bioenergetics. *Co-senior author. *In Revision*.
- F. Farshidfar, M. Suh, B. Collette, N. Koleini, W.M. Snow, B.E. Nickel, E. Kardami, **B. C. ALBENSI**. S. B. Myrie. Creatine Supplementation Improves Skeletal Muscle Metabolic Response in Triple-Transgenic Alzheimer's Disease Mouse Model. *Under Revision*.
- D. Kelly, K. Leonard, T. Aquin, C. Cadonic, E. Platt and **B.C. ALBENSI**. Features facilitate the encoding of geometry when mice orient in a rectangular water maze. *In Preparation*.

Peer-Reviewed Books – Lead Editor

- 2016 **B.C. ALBENSI** (lead editor) and J. Djordjevic (co-ed). Ebook. (invited senior authors: Abel, Kaltschmidt, Albensi, Feng, Lubin, Romano, Martin, Ortega-Martínez, Williams). **Transcriptional Regulation of Memory**, Released June 2016. Frontier Books Pub.
- 2012 **B.C. ALBENSI** (editor). **Transcription Factors NF- κ B and CREB: Involvement in Synaptic Plasticity and Memory Formation** (invited senior authors: Barger, Romano, Mariagrazia, Murphy, Josselyn, Rodríguez). Released, Jan. 2012. Pub. Bentham Science.

Peer-Reviewed Book Chapters

- 2019 **B.C. ALBENSI**. Dysfunction of Mitochondria: Implications for Alzheimer's Disease. Edited by Paul Fernyhough & Nigel Calcutt. *in Intl. Rev of Neurobiology: Mitochondrial Neuropathies volume 146, Invited Submission*. Elsevier Publishers.
- 2014 C. Cadonic and **B.C. ALBENSI**. Memory Deficits and Transcription Factor Activity Following Traumatic Brain Injury, *in Traumatic Brain Injury*. Edited by Farid Sadaka and Tanya Quinn. ISBN 980-953-307-1139-4. *Invited Submission*. InTech Publishers.
- 2012 G. Odero, W. Snow, K. Vadakkan, **B.C. ALBENSI**. Chapter 4, Roles for NF- κ B in Regulating Gene Expression in Synaptic Plasticity and Memory *in Transcription Factors NF- κ B and CREB: Involvement in Synaptic Plasticity and Memory Formation*. Edited by Ben Albensi. Bentham Science Publishers.
- 2011 **B.C. ALBENSI**. Brain stimulation for seizure control: Considerations and potential mechanisms, *in Novel Treatment of Epilepsy*, Edited by Humberto Foyaca-Sibat. ISBN 979-953-307-011-6, *Invited Submission*. InTech Publishers.
- 2009 **B.C. ALBENSI**. V. Plasticity and Epileptogenesis, D. Electrical Stimulation Protocols for Seizure Attenuation, *in, Encyclopedia of Basic Epilepsy Research*, Edited by Philip A. Schwartzkronin. *Invited submission*. Academic Press, Elsevier Sci. Publishers.
- 2008 **B.C. ALBENSI**. Seizure-Induced Synaptic Plasticity: Understanding Synaptic Reorganization *in Synaptic Plasticity: New Research*, Edited by Tim F. Kaiser and Felix J. Peters, *Invited submission*. Nova Science Publishers, New York.

Peer-Reviewed Editorials

- 2016 **B.C. ALBENSI** and J. Djordjevic. Editorial: Transcriptional Regulation of Memory. *Front Mol Neurosci* 9.
- 2015 Martin M, **ALBENSI B**, Cross A, Katz-Brull R, Thiessen J, King S, Lin A. NEW CONCEPTS IN MAGNETIC RESONANCE AS APPLIED TO CELLULAR AND IN VIVO APPLICATIONS. *Magn Reson Insights* 8(Suppl 1):49-52.

Peer Reviewed Conference Abstracts (sometimes published in a journal special issue format)

- 2020 Olson N. and **B.C. ALBENSI**. Disparities in Alzheimer's disease clinical trial enrollment in the United States and Canada: An indigenous perspective. **Clinical Trials on Alzheimer's Disease (CTAD)**. November 4-7, Virtual.
- 2020 Adlimoghaddam A. R. S. Turner, **B.C. ALBENSI**. FDA approved anti-cancer drug, nilotinib, increases energy metabolism in astroglia derived from 3xTg mouse model of Alzheimer's disease. **21st International Conf. Alzheimer's Drug Discovery Foundation (ADDF)**, Oct. 5-6, virtual.
- 2020 Adlimoghaddam A, Snow W, Djordjevic J, Albeni BC. Hyperammonaemia triggered inflammatory responses in astroglia. **CAN-ACN**; 2020 May 31; Montreal, QC, Canada.
- 2019 J Djordjevic, WM. Snow, C Perez, A Adlimoghaddam, **B.C. ALBENSI**. Decreased mitochondrial cyclic AMP response element-binding protein (CREB) level in the cortex of 3xTg mice coincides with mitochondrial impairment. **CCNA Annual Partners Forum and Science Day**, Quebec City, QC, Canada.
- 2019 **B.C. ALBENSI**, C. Perez Nancy Olson, and A. Adlimoghaddam. Effects of Dietary Flaxseed on Memory and Cognition. 12th edition of **Clinical Trials on Alzheimer's Disease (CTAD)**. December 4-7, San Diego, CA, USA.
- 2019 A. Adlimoghaddam, R. Scott Turner, **B. ALBENSI**. The FDA-approved anti-cancer drug, nilotinib improves astroglial bioenergetics in Alzheimer's disease. **CAN-ACN**; May 22-25, Toronto, ON, CA.
- 2018 M. Islam, P. Nagakannan, O. Ogungbola, J. Djordjevic, **B.C. ALBENSI** and Eftekhar Eftekharpour. Thioredoxin system as a gatekeeper in caspase-6 activation and nuclear lamina integrity: Implications for Alzheimer's Disease. **Soc for Redox Biol & Med (SfRBM)** 25th Annual Conference; Nov 14, Chicago, IL, USA.
- 2018 A Adlimoghaddam, AL Goertzen, JH Ko, W Snow, G Stortz, J Djordjevic, C Perez, **BC ALBENSI**. Early detection of brain hypometabolism in the 3xTg mouse model of Alzheimer's disease. **Alzheimer's Association International Conference (AAIC)**; July 22-26; Chicago, IL, USA.
- 2018 A Adlimoghaddam, R.S. Turner, **BC ALBENSI**. Targeting Alzheimer cell mitochondria via nilotinib as a therapeutic approach. Alzheimer's Drug Discovery Foundation (ADDF); February 4-6; Washington, DC, USA.
- 2018 Adlimoghaddam A, Snow W, Stortz G, Goertzen A, Ko JH, Djordjevic J, Perez C, **ALBENSI BC**. 18F-FDG PET imaging of brain glucose hypometabolism in the 3xTg mouse model of Alzheimer's disease. **12th Annual Canadian Neuroscience Meeting**; May 13; Vancouver, BC, Canada.

- 2018 A. Adlimoghaddam, G. Stortz, W. Snow, J. Djordjevic, C. Perez, A.L. Goertzen, J.H. Ko, **B.C. ALBENSI**. Region-specific brain hypometabolism is unrelated to amyloid plaque and tangle deposition in an Alzheimer's mouse model. **CCNA Annual Partners Forum and Science Day**, Toronto, ON, Canada.
- 2017 W. M. Snow, C. Cadonic, C. Perez, A. Adlimoghaddam, J. Djordjevic, K.M. Gough, M. Suh, & **B.C. ALBENSI**. Creatine supplementation alters spatial cognition in the 3xTg mouse model of Alzheimer's disease in a sex-specific manner. **CCNA Annual Partners Forum and Science Day**, Toronto, ON, Canada.
- 2017 J. Djordjevic, W.M. Snow, S.R. Chowdhury, C. Cadonic, A. Adlimoghaddam, C. Perez, P. Fernyhough & **B.C. ALBENSI**. The onset of mitochondrial deficits is region- and sex-dependent in 3xTg mice. **CCNA Annual Partners Forum and Science Day**, Toronto, ON, Canada.
- 2017 C. Cadonic, E. Thomson, W. Snow, J. Djordjevic, D. McAllister, S. Roy Chowdhury, P. Fernyhough, J. Fiege, S. Portet, **B.C. ALBENSI**. Modelling Mitochondrial Complex IV Bioenergetics. **CCNA Annual Partners Forum and Science Day**, Toronto, ON, Canada.
- 2017 A. Adlimoghaddam, R.S. Turner, & **B.C. ALBENSI**. The FDA approved anti-cancer drug, Nilotinib, improves astroglial mitochondrial function in Alzheimer's disease. **CCNA Annual Partners Forum and Science Day**, Toronto, ON, Canada.
- 2017 W. M. Snow, C. Cadonic, C. Perez, A. Adlimoghaddam, J. Djordjevic, K.M. Gough, M. Suh, & **B.C. ALBENSI**. Creatine supplementation alters spatial cognition in the 3xTg mouse model of Alzheimer's disease in a sex-specific manner. **9th Canadian Conference on Dementia (CCD)**, Toronto, Ontario, Canada.
- 2017 A. Adlimoghaddam, C. Cadonic, & **B.C. ALBENSI**. Therapeutic targeting of mitochondria with the anti-cancer drug, Nilotinib, in Alzheimer's disease. **9th Canadian Conference on Dementia (CCD)**, Toronto, Ontario, Canada.
- 2017 A. Adlimoghaddam, & **B.C. ALBENSI**. The role of hyperammonaemia in bioenergetic and inflammatory responses of astroglial cells. **9th Canadian Conference on Dementia (CCD)**, Toronto, Ontario, Canada.
- 2017 K. Leonard, **B.C. ALBENSI**, & D. Kelly. Features Facilitate Encoding of Geometry by Mice. **24th International Conference On Comparative Cognition**. April 19-22, Melbourne Beach, FL, USA.
- 2017 Z. Abyat, W.M. Snow, **B.C. ALBENSI**, K.M. Gough. Rapid LDIR Imaging of Whole Mouse Brain Sections. **9th International Conference on Advanced Vibrational Spectroscopy**. June 11 – 16, Victoria, BC, Canada.
- 2017 J. Djordjevic, W.M. Snow, C. Perez, C. Cadonic, **B.C. ALBENSI**. Decreased mitochondrial cyclic AMP response element-binding protein (CREB) level in the cortex of 3xTg mice coincide with mitochondrial impairment. **11th Annual Canadian Neuroscience Meeting**. May 28-31, Montreal, QC, Canada.
- 2017 W.M. Snow, C. Cadonic, C. Perez, J. Djordjevic, K.M. Gough, M. Suh, **B.C. ALBENSI**. Sex-specific effects of creatine supplementation on spatial learning and memory in the 3xTg mouse model of Alzheimer's disease. **11th Annual Canadian Neuroscience Meeting**, May 28-31, Montreal, QC, Canada.

Albenzi

- 2016 C. Cadonic, E. Thomson, W. Snow, S. Roy Chowdhury, D. McAllister, J. Fiege, P. Fernyhough, S. Portet, **B.C. ALBENSI**. Modelling Mitochondrial Complex IV Bioenergetics. **Biophysical Soc. of Canada**. June 1-3, Winnipeg, MB, Canada.
- 2016 W.M. Snow, D. McAllister, K. Champagne-Jorgensen, J. Djordjevic, S.K. Roy Chowdhury, P. Fernyhough, **B.C. ALBENSI**. Investigating a role for NF- κ B in cellular bioenergetics in normal and amyloid-exposed neurons *in vivo*. Alzheimer's Assoc. **AAIC**. July 24, Toronto, ON, Canada.
- 2016 J. Djordjevic, S.R. Chowdhury, W.M. Snow, C. Perez, P. Fernyhough, **B.C. ALBENSI**. Early mitochondrial deficits in the cortex of 3xTg female mice. Alzheimer's Assoc. **AAIC 2016**. July 24, Toronto, ON, Canada.
- 2016 J. Djordjevic, S.R. Chowdhury, W.M. Snow, C. Perez, P. Fernyhough, **B.C. ALBENSI**. Mitochondrial dysfunction and inflammation in TgCRND8 mouse brain. **UMDF Mitochondrial Medicine 2016**. June 16-18, Seattle, WA, USA.
- 2016 D. Ma, C. R-J. Findlay, K. Champagne-Jorgensen, **B. C. ALBENSI**, K. M. Gough. Analysis of Neuron Cell Bodies in the Hippocampus of Control and Transgenic AD Mice. **SPEC 2016**. June 26-30, Montreal, QC, Canada.
- 2014 F. Farshidfar, M. Suh, W.M. Snow, **B. C. ALBENSI**, S.B. Myrie. Creatine Supplementation Increases Muscle Branched-Chain Amino Acids in an Alzheimer Mouse Model. **Advances & Controversies in Clinical Nutrition**. Dec. 4-6, National Harbor, MD, USA. *Peer-reviewed. Selected as finalist for award competition for Amer. Soc. of Nutrition Scientific Session at Exp. Bio. 2015 FASEB Conference.*
- 2014 **B.C. ALBENSI**. Treating mitochondrial and memory impairments in aging and Alzheimer's disease. **International Conference on Geriatrics & Gerontology. Journal of Gerontology & Geriatric Research** 3(4): 80. July 8-10, 2014, Chicago, IL, USA.
- 2014 C. Cadonic, E. Thompson, S.K. Roy Chowdhury, W.M. Snow, P. Fernyhough, **B.C. ALBENSI**. Mitochondrial Dysfunction in Alzheimer's Disease. **Mitochondrial Medicine 2014**. June 4-7, 2014, Pittsburgh, PA, USA.
- 2014 Cadonic C, Oikawa K, Odero G, Thomson E, Chowdhury SR, Snow WM, Fernyhough P, **ALBENSI BC**. Transcriptional regulation of mitochondrial function and memory. **Memory and the Brain in Health and Disease, 24th Annual Rotman Research Institute Conference**. March 10-12, 2014, Toronto, ON, Canada.
- 2014 Cadonic C, Oikawa K, Odero G, Thomson E, Chowdhury SR, Snow WM, Fernyhough P, **ALBENSI BC**. Roles for NF- κ B in Hippocampal Synaptic Plasticity, Memory and Mitochondrial Function. **The NF-kappaB System in Health and Disease, Keystone Symposia on Molecular and Cellular Biology**. Feb. 24-28, 2014, Keystone, CO, USA.
- 2012 Soylu H, Zhang D, Buist R, Martin M, **ALBENSI BC**, Parkinson FE. Endothelin-1 induced cortical stroke in CD-1 and hENT1 transgenic mice and effect of administration of adenosine A1 receptor antagonist, DPCPX: an MRI and histopathology study. **20th Western Perinatal Research Meeting**, February 16-19, 2012, Banff, Alberta, Canada.
- 2012 Soylu H, Zhang D, Buist R, Martin M, **ALBENSI BC**, Parkinson FE. Effect of neuronal expression of human equilibrative nucleoside transporter (hENT1) and caffeine on cerebral blood flow and cortical stroke in mice. **20th Western Perinatal Research Meeting**, February 16-19, 2012, Banff, Alberta, Canada.

Albenzi

- 2012 Soylu H, Zhang D, Buist R, Martin M, **ALBENSI BC**, Parkinson FE. Effect of Neuronal Expression of Human Equilibrative Nucleoside Transporter (hENT1) and Caffeine on Cerebral Blood Flow and Cortical Stroke in Mice. **The Pediatric Academic Societies Annual Meeting**, 2012, Boston, MA.
- 2011 H. Solyu, R. Buist, D. Zhang, M. Martin, **B. ALBENSI**, F.E. Parkinson. Intra-cortical endothelin-1 affects cerebral blood flow and produces a cortical infarct in wild type (CD1) and human equilibrative nucleoside transporter type 1 (hENT1) transgenic mice. A comparison study with saline injection". **Nineteenth Western Perinatal Research Meeting**, Banff, AB, February 17-20, 2011.
- 2007 J.D. Thiessen, K.A. Collister, L.M. Kurjewicz, C. Readhead, M.R. Del Bigio, **B.C. ALBENSI**, and M. Martin. Correlating Longitudinal *In Vivo* Images of Beta-Amyloid Plaques with Morris Water Maze Test Results in a Mouse Model of Alzheimer's Disease. **Proceedings of the Annual ISMRM Sci Meeting & Exhib, Berlin**. 2007.
- 2002 **B.C. ALBENSI**, G. Ata, J. Waterman, D. Janigro. Attenuation of Neuronal Excitability and Epileptiform Activity. **AES Proceedings, Epilepsia**, 43 Suppl 7: 27, 2002.
- 1998 **B.C. ALBENSI**, S. Knoblach, B.G.M. Chew, M.P. O' Reilly, A.I. Faden and J.J. Pekar. Serial Magnetic Resonance Imaging of a Rodent Model of Neuroinjury. **Proceedings of the 6th Annual ISMRM Sci Meeting & Exhib.**, 2: 1183, 1998.
- 1996 M. F. Balandrin, B.C. van Wageningen, R. Roeloff, **B.C. ALBENSI**, D. Wirtshafter, H.L. Shieh, J.M. Pezzuto, G.A. Cordell. Valerian-Derived Sedative Agents, III Iso-valeramide, A Novel Anxiolytic Agent from Valerian-Derived Isovaleric Acid Esters (Valeriana SPP., Valerianaceae). **Proceedings of the 37th Annual Amer Soc of Pharmacognosy**, Santa Cruz, CA, poster no. P86, 1996.
- 1991 A.L. Mueller, L.D. Artman, **B.C. ALBENSI**, E.F. Nemeth and H. Jackson. Arylamine spider toxins antagonize NMDA receptor-mediated responses in mammalian CNS. **Proceedings of Excitatory Amino Acids: Basic Science & Therapeutic Implications**, Nov. 21-22, London, UK, 1991.

Non Peer-Reviewed Articles - General

- 2014 M. Kansiz, C. Hirschmugl, **B. ALBENSI**, C. Liao, K. Gough. High Spatial resolution FTIR imaging of biomedical tissue samples using a novel method of magnification enhancement. **Application Note, Agilent Technologies**. Publication number: 5991-5228EN, October 2014.
- 2013 C.R. Liao, D. Stitt, M.Z. Kastyak, J.B. Morrison, **B.C. ALBENSI**, J. Kirkwood, M. Kanzis and K.M. Gough. Optimizing tissue preparation and storage for analysis of polyunsaturated fatty acids using Agilent's FTIR imaging systems. **Application Note, Agilent Technologies**. Publication number: 5991-0293EN, May 2013.
- 2009 Authors Not Stated. Alzheimer Research Forum Live Discussion: Non-coding RNAs in neurodegeneration. **J Alzheimers Dis**. Jul;16(2):441-444, 2009.
- 2008 G. Odero and **B.C. ALBENSI**. Epilepsy and the Many Faces of Homer 1, *Invited review*. **Brain Research Journal** 2(3): 163-172, 2008.
- 2006 T. Fagan, B. Kagan, D. Corbin, W. Hwang, C. Glabe, L. Nault, R. Lal, D. Teplow, **B.C. ALBENSI**, Y. Sokolov. Alzheimer Research Forum Live Discussion: Now you see them, now you don't: The amyloid channel hypothesis. **J Alzheimers Dis**. Jul;9(2):219-24, 2006.

Albenzi

- 2005 Fagan, T; Kagan, B; Nault, L; Hwang, W; Glabe, C; Lal, R; **ALBENSI, B**; Teplow, D; Sokolov, Y. Alzheimer Research Forum Live Discussion: Imaging in Alzheimer's Disease: The Current State of Affairs. **J. Alzheimer's Dis.** 8: 387–392 2005.
- 2005 K. Collister and **B.C. ALBENSI**, Potential Therapeutic Targets in the NF- κ B Pathway for Alzheimer's Disease. **Drug News and Perspectives**, 18(10): Dec. 2005.
- 2004 **B.C. ALBENSI** and E. Ilkanich. Open-Channel Blockers of the NMDA Receptor. **Drug News and Perspectives**, 17(9):557-62, Nov. 2004.
- 2003 **B.C. ALBENSI**, A comparison of drug treatment versus electrical stimulation for suppressing seizure activity. **Drug News and Perspectives**, 16(6):347, July/August 2003.
- 2002 **B.C. ALBENSI**, Biological Mechanisms, Cerebrovascular Alterations, and Pharmacological Targets in the Pathology of Dementia. **Drug News and Perspectives**, 15(6): 333-337, July/August 2002.
- 2002 **B.C. ALBENSI**, Tumor Necrosis Factor and Drug Delivery in the Blood-Brain Barrier. **Drug News and Perspectives**, Drug News and Perspectives 15(4):233-237, May 2002.
- 2001 **B.C. ALBENSI**, Scientific Visualization in Drug Discovery and Development, **Drug News and Perspectives** 14(2):69-74, March 2001.
- 1999 **B.C. ALBENSI**, Apoptosis and Biochemical Cascades. **Drug News and Perspectives** 12(9): 453-457, Nov. 1999.
- 1998 **B.C. ALBENSI** and J. Pierson, Use of Polylysine Substrates for Culturing Cells, **The Cell Line**, Sept./Oct. 8(2): Nov./Dec. 1998.
- 1998 **B.C. ALBENSI** and M.P Mattson, Neurodegeneration and Therapeutic Targets in Alzheimer's Disease, **Pharmaceutical News**, 5(3): 6-9, May/June 1998.
- 1997 **B.C. ALBENSI**, Magnetic Resonance in Brain Injury and Drug Evaluation, **Pharmaceutical News**, 4(4): 15-18, July/August 1997.
- 1993 K.E. Ward, F. Filloux and **B.C. ALBENSI**, Effects of Gangliosides on Brain Edema Hypoxic-Ischemic Neonatal Rats. University of Utah's, **J. Undergrad. Res.**, 4(1):21-25, 1993.

Non Peer-Reviewed - Clinical Trial Manuscripts and Related Clinical Research

- 2018 G. Koski, M. Tobin, M.D. Whalen, B.L. DiGiulian, L Kennedy, R. Blake, T.L. Stubbs, **B.C. ALBENSI**, B.E. Waite, I.K. Fores, J.E. Riddle, L. Ardigo, M. Westrick, M.A. Ellis, N. Stepanov, P.M. Jester, R.E. Nemire, S. Hirschfeld. ACRES-QC S001:2018, **ACRES Quality Continuum Standard for the Management of Clinical Research Sites**.
- 2000 **B.C. ALBENSI**, H. Haber, P. Holley and U. Trostmann. A Phase 3, Open-Label, Randomized, Multicenter Study of Clinafloxacin (CI-960-34) versus a Ceftriaxone-Based Regimen in the Treatment of Hospitalized Patients with Community-Acquired Pneumonia **Parke-Davis/Warner-Lambert**. 2000.
- 2000 **B.C. ALBENSI**, H. Haber, P. Holley, L. Welling, L. Weaver. An Open-Label, Emergency-Use Study of Clinafloxacin (CI-960-10) in the Treatment of Patients with Serious Life-Threatening Bacterial Infections. **Parke-Davis/Warner-Lambert**. 2000.
- 2000 **B.C. ALBENSI**, H. Haber, P. Holley, U. Trostmann, L. Weaver an Open-Label, Emergency-Use Study of Clinafloxacin (CI-960-60) in the Treatment of Patients With Serious Life-Threatening Bacterial Infections **Parke-Davis/Warner-Lambert**. 2000.

Albenzi

2000 **B.C. ALBENSI**, M. Graziano, W. Grove, K. Kimmel, R. Merriman, S. Morosky, Investigator's Brochure: CI-994. *Parke-Davis/Warner-Lambert*. 2000.

Non Peer-Reviewed Abstracts (includes *out of town* meetings, local mtg. abstracts not listed)

- 2017 **B.C. ALBENSI**, R.S. Turner, A. Adlimoghaddam. Using Nilotinib to improve mitochondrial function in Alzheimer's disease. Soc. Neurosci. Abstr., Washington, DC.
- 2017 A. Adlimoghaddam, R.S. Turner, & **B.C. ALBENSI**. The anti-cancer drug nilotinib enhances astroglial bioenergetics in Alzheimer's disease. Mito2017, Toronto, ON, Canada.
- 2017 C. Cadonic, E. Thomson, W. Snow, D. McAllister, J. Djordjevic, S. Roy Chowdhury, P. Fernyhough, J. Fiege, S. Portet, **B.C. ALBENSI**. Modelling Mitochondrial Complex Chain Bioenergetics. Mito2017, Toronto, ON, Canada.
- 2017 J. Djordjevic, S.R. Chowdhury, W.M. Snow, C. Cadonic, A. Adlimoghaddam, C. Perez, P. Fernyhough, **B.C. ALBENSI**. The onset of mitochondrial deficits is region- and sex-dependent in 3xTg mice. Mito2017, Toronto, ON, Canada.
- 2017 A. Adlimoghaddam and **B.C. ALBENSI**. Hyperammonaemia triggers inflammatory responses in astroglia cells. Mito2017, Toronto, ON, Canada.
- 2016 J. Djordjevic, S.R. Chowdhury, W.M. Snow, C. Cadonic, C. Perez, P. Fernyhough, **B.C. ALBENSI**. The onset of mitochondrial deficits is region- and sex-dependent in 3xTg mice. 6th Regional Translational Research in Mitochondria, Aging, and Disease (TriMAD 2016) Symposium. October 28-29, Philadelphia, PA
- 2016 S. Roy Chowdhury, J. Djordjevic, E. Thomson, D.R. Smith, **B.C. ALBENSI** and P. Fernyhough. Altered mitochondrial function and succinate-dependent H₂O₂ production in the cortex of type 1 diabetic rodents. Soc. Neurosci. Abstr., San Diego, CA.
- 2015 **B.C. ALBENSI**, Manitoba Dementia Research Chair, Brain Awareness Campaign Event, Soc. Neurosci. Abstr., Chicago, IL
- 2015 C. Cadonic, E. Thomson, W. Snow, S.K. Roy Chowdhury, D. McAllister, P. Fernyhough, J. Fiege, S. Portet, **B.C. ALBENSI**. Development of a Mathematical Model of Mitochondrial Bioenergetics in Cortical Neurons. Soc. Neurosci. Abstr., Chicago, IL
- 2015 W.M. Snow, S.K. Roy Chowdhury, J. Djordjevic, D. McAllister, C. Cadonic, F. Fernyhough, **B.C. ALBENSI**. NF- κ B regulates neuronal bioenergetics *in vitro*. Soc. Neurosci. Abstr., Chicago, IL
- 2015 J. Djordjevic, S.R. Roy Chowdhury, W. Snow, D. McAllister, C. Cadonic, E. Thomson, P. Fernyhough, **B.C. ALBENSI**. Mitochondrial dysfunction in 3xTg mouse brain is accompanied by deficits in Complex I. Soc. Neurosci. Abstr., Chicago, IL
- 2014 K.M. Gough, C.R. Findlay, R.W. Wiens, J.B. Morrison, W. Snow, **B.C. ALBENSI**. How 1 Micron Pixel Resolution Thermal Source FTIR Imaging can Accelerate *ex vivo* Diagnostics. SPEC, Krakow, Poland. Aug. 17-22.
- 2014 K. Gough, C. Liao, R. Wiens, A. Ciapala, J. Morrison, W. Snow, **B. ALBENSI**. Rapid biodiagnostic *ex vivo* imaging at 1 μ m pixel resolution with thermal source FTIR FPA. SCIX (Soc for Applied Spectroscopy), Reno-Tahoe, NV, Sept 28-Oct 3.
- 2014 Snow, W.M., Cadonic, C., Roy Chowdhury, S.K., Thomson, E., Alashmali, S., Platt, E., Suh, M., Fernyhough, P., **B.C. ALBENSI**. Spatial learning capabilities and mitochondrial function in creatine-supplemented mice. Soc. Neurosci. Abstr., Washington, DC, Nov.

Albenzi

- 2013 Alashmali S.M., **ALBENSI B.C.**, Aliani M. and Suh M. The effects of choline availability during gestational period on brain and retina function. Canadian Nutrition Society, Quebec City, ON May 30-June 1.
- 2013 W.M. Snow, S.R. Chowdhury, S. Alashmali, C.R. Liao, K. Oikawa, M. Rak, E. Thomson, C. Hirschmugl, E. Platt, M. Suh, K. Gough, P. Fernyhough, **B.C. ALBENSI**. Mitochondrial dysfunction is associated with impairments in synaptic plasticity and memory in the TgCRND8 and 3xTg mouse models of Alzheimer's disease. Soc. Neurosci. Abstr., San Diego, CA.
- 2013 M.Z. Kastyak-Ibrahim, R. Buist, D.L Di Curzio, S.L. Herrera, **B.C. ALBENSI**, M.R Del Bigio, M. Martin. Region specific changes in the 3xTg Alzheimer's disease mouse model evaluated by volume and DTI metric values. Canadian Association of Physicist Meeting, Montreal, QC, May 27-31.
- 2012 S.I. Omar, K.M. Gough, **B.C. ALBENSI**. Computational Modeling of the binding of Calcium and Zinc ions to Calbindin D28k. May 26th. 95th Canadian Chemistry Conference.
- 2012 M.Z. Kastyak-Ibrahim, R. Buist, D.L. Di Curzio, M.R Del Bigio, **B.C. ALBENSI**, M. Martin. "Imaging of changes in selected brain regions in 3xTg Alzheimer's mouse model by Magnetic Resonance Microscopy" Manitoba Neuroscience Network Meeting, June 4. *Top six postdoc posters*.
- 2012 E. Platt, K. Oikawa, G.L. Odero, A. Hatherell, M. Neuendorff, M. Bernstein, **B.C. ALBENSI**. NF-kappa B p50 subunit knockout impairs late LTP and alters long term memory. Soc. Neurosci. Abstr., New Orleans, LA.
- 2011 H. Soylyu, R. Buist, D. Zhang, M. Martin, **B.C. ALBENSI**, and F.E. Parkinson. Intra-cortical endothelin-1 affects cerebral blood flow and produces a cortical infarct in CD1 and hENT1 transgenic mice. Pediatric Academic Societies and Asian Society for Pediatric Research joint meeting. Denver, CO. Apr. 30-May 3.
- 2011 P.S. Pahlavan, **B.C. ALBENSI**. Pre- and Post-Morris Water Maze Learning Comparison -Expression of Transcription Factors NF-kB, CREB, and Egr-2. American Med. Assoc., New Orleans, LA. November.
- 2011 M. Z. Kastyak, M. J. Nasse, M. Rak, C. Hirschmugl, **B.C. ALBENSI**, K.M Gough. Synchrotron FTIR-FPA for sub-cellular biochemical imaging. Canadian Chemistry Conference and Exhibition, Montreal, June 5-9.
- 2011 M.Z. Kastyak-Ibrahim, M.J. Nasse, M. Rakb, C. Hirschmugl, M.R. Del Bigio, **B.C. ALBENSI**, and K.M. Gough. Biochemical Label-Free Tissue Imaging with Subcellular-Resolution Synchrotron FTIR-FPA. Users' Meeting. Synchrotron Radiation Center, Stoughton WI. Sept. 16-17.
- 2011 C. Liao, S. McKay, A. Paterson, **B.C. ALBENSI**, J. B. Morrison, R. Wehlitz, C. Hirschmugl, K. M.Gough "IRENI Imaging of Brain Tissue From 3xTg Model of Alzheimer Disease, Users' Meeting 2011, Synchrotron Radiation Center, Stoughton WI. Sept. 16-17.
- 2010 M.Z. Kastyak-Ibrahim, M.J. Nasse, **B.C. ALBENSI**, M. del Bigio, C. Hirschmugl and K.M. Gough. High definition sFTIR imaging of tissue from Alzheimer disease mouse models. SRC Users meeting, Synchrotron Radiation Center/Synchrotron-based FTIR imaging workshop Madison WI, Oct.

Albenzi

- 2010 M.Z. Kastyak-Ibrahim, M.J. Nasse, **B.C. ALBENSI**, M. del Bigio, C. Hirschmugl and K.M. Gough. High definition sFTIR imaging of plaques in Alzheimer disease mouse model tissue. FACSS 2010, Raleigh NC, Oct 17-21.
- 2010 K.M. Gough, M. Z. Kastyak, M. Isenor, S. Kaminskyj, **B.C. ALBENSI**, M. J. Nasse, M. Rak and C. Hirschmugl “Synchrotron FTIR microspectroscopy with sub-cellular resolution at IRENI: Discoveries enabled by the new technology” Pacificchem, Hawaii. Dec 15-20.
- 2010 D. Zhang, **B.C. ALBENSI**, and F.E. Parkinson. Equilibrative nucleoside transporter 1 (ENT1) regulates hypoxic/ischemic adenosine levels in hippocampal slices. Soc. Neurosci. Abstr.
- 2009 G.L. Odero, S. Nafez, K. Oikawa, D. Grossman, **B.C. ALBENSI**. Gene expression profiling in PS1 (M146V) mice and other transgenic Alzheimer’s disease models. Soc. Neurosci. Abstr., Chicago, IL.
- 2009 D. Zhang, R. Buist, J. Peeling, **B.C. ALBENSI**, and F.E. Parkinson. Endothelin-1 induced cortical infarct in mice. Canadian Association of Neuroscience.
- 2009 D. Zhang, R. Buist, J. Peeling, **B.C. ALBENSI**, F.E. Parkinson. Increased endothelin-1 induced ischemic injury in hENT1 transgenic mice. Soc. Neurosci. Abstr., Chicago, IL.
- 2009 S. Nafez and **B.C. ALBENSI**. Early Growth Response 2 (Egr2) is induced by neuronal activity-dependent NF- κ B activation. Ninth Congress of the European Association for Clinical Pharmacology & Therapeutics, Edinburgh, Scotland.
- 2008 S. Nafez, G. Odero, K. Oikawa, M. Sproule, N. Ge, D. Zhang, B. Abrenica, M. Czubryt, **B.C. ALBENSI**. The Induction of Early Growth Response 2 (Egr 2) is triggered by neuronal activity-dependent NF- κ B activation. Soc. Neurosci. Abstr., Washington, DC.
- 2008 **B.C. ALBENSI**, D. Zhang, W. Xiong, F.E. Parkinson, Hippocampal slices from human ENT1 transgenic mice show reduced temperature-induced and hypoxia-induced EPSP suppression. Soc. Neurosci. Abstr., Washington, DC.
- 2008 K. Oikawa, S. Nafez, G. Odero, N. Ge, D. Zhang, **B.C. ALBENSI**, Visinin-like protein-3 modulates the interaction between Cytochrome *b₅* and NADH-cytochrome *b₅* reductase in a Ca²⁺-dependent manner. Canadian Assoc. for Neurosci. Mtg. Montreal, QC.
- 2008 N. Ge, K. Oikawa, D. Zhang, G. Odero, S. Nafez, **B.C. ALBENSI**, The Neuroprotective effects of Colivelin on Hippocampal Synaptic Plasticity. Canadian Assoc. for Neurosci. Mtg. Montreal, QC.
- 2008 N. Ge, K. Oikawa, D. Zhang, G. Odero, S. Nafez, **B. ALBENSI**. The Role of Colivelin a Novel Neuroprotective Peptide on Hippocampal Synaptic Plasticity. Alz. Assoc. International Conf. on Alz. Disease Mtg. Chicago, IL.
- 2008 S. Nafez, G. Odero, K. Oikawa, M. Sproule, B. Abrenica, M. Czubryt, **B.C. ALBENSI**, The Induction of Early Growth Response 2 (Egr 2) is triggered by neuronal activity-dependent NF- κ B activation. Canadian Assoc. for Neurosci. Mtg. Montreal, QC.
- 2007 K.A. Collister, G. Odero, K. Oikawa, G. Glazner, **B.C. ALBENSI**. Spatial memory formation and hippocampal function are influenced by background strain but not gender in the TgCRND8 mouse model of Alzheimer’s disease. Soc. Neurosci. Abstr. San Diego, CA.
- 2007 J.D. Toupin, K. Oikawa, G. Odero, D. R. Oliver, **B. C. ALBENSI**. The effect of electrical stimulation frequency on hippocampal epileptiform activity. Soc. Neurosci. Abstr., San Diego, CA.

Albenzi

- 2007 K. Oikawa, M. Sproule, B. Abrenica, M. Czubryt, **B. C. ALBENSI**. Exploration of NF- κ B dependent gene expression patterns in theta-burst stimulated hippocampal slices. Soc. Neurosci. Abstr., San Diego, CA.
- 2007 M. Martin, J.D. Thiessen, K.A. Collister, L.M. Kurjewicz, C. Readhead, M.R. Del Bigio, **B.C. ALBENSI**. Longitudinal In Vivo Study of Alzheimer's Disease, International Society for Neurochemistry meeting, Cancun, Mexico.
- 2007 J.D. Thiessen, K.A. Collister, L.M. Kurjewicz, M.R. Del Bigio, **B.C. ALBENSI**, M. Martin. Magnetic Resonance Imaging and Behavioural Test Comparisons in a Mouse Model of Alzheimer's Disease. Canadian Association of Physicists (CAP) Congress.
- 2007 G. Odero, K. Oikawa, K. Collister, and **B.C. ALBENSI**. Age-progressing synaptic and cognitive impairments, and neuropathology in Alzheimer's disease transgenic mice. Pharmacology and Therapeutics Conference, Banff, AB.
- 2006 J.D. Thiessen, K.A. Collister, **B.C. ALBENSI**, M. Martin. Of Mice and Memory: Early Diagnosis of Alzheimer's Disease in Transgenic Mice. Natural Sciences and Engineering Research Council of Canada (NSERC) poster competition, MB.
- 2006 K.A. Collister, K. Oikawa, J. Thiessen, G. Odero, R. Buist, F. Amara, M. Martin, G. Glazner, **B.C. ALBENSI**. Visualization and correlations involving the deposition of amyloid beta plaques in a transgenic mouse model of Alzheimer's disease. Canadian Student Health Research Forum (CSHRF) Manitoba Poster Competition, MB.
- 2006 S. Dombrowski, **B.C. ALBENSI**, G. Odero, K. Collister, and K. Oikawa. Hippocalcin, a possible Ca²⁺-dependent regulator for microsomal monooxygenase system, interacts with amyloid β 1-42. Soc. Neurosci. Abstr.
- 2006 K.A. Collister, G. Odero, M. Martin and **B.C. ALBENSI**. Visualization and correlations involving the deposition of amyloid beta plaques in the TgCRND8 mouse model of Alzheimer's disease. Soc. Neurosci. Abstr.
- 2006 K. Oikawa, G. Odero, D. Smith, G. Glazner, P. Fernyhough, **B.C. ALBENSI**. Modulation of synaptic plasticity in hippocampus in streptozocin-diabetic rats. Soc. Neurosci. Abstr.
- 2006 K. Oikawa, G. Odero, K. Collister, F. Amara, G. Glazner, **B.C. ALBENSI**. Investigation of the relationship between nuclear factor kappa B (NF- κ B) activity and long-term potentiation (LTP) in hippocampal slices of Alzheimer's disease mouse model (M146V). Soc. Neurosci. Abstr.
- 2003 E Garrity-Moses, S. Boninsegna, M., Q. Teng, R. DalToso, N. M Boulis, **B. C ALBENSI**, T. Attia and D. Janigro. Biosil Encapsulation of Mammalian Cells: a Novel Strategy for Cell-Mediated Drug Delivery. Soc. Neurosci. Abstr.
- 2002 **B.C. ALBENSI**, G. Ata, J. Waterman, D. Janigro. Suppression of Neuronal Excitability and Epileptiform Activity. Soc. Neurosci. Abstr.
- 2001 P. Rasmussen, M.R. Mayberg, M. Kapural, M. Cavaglia, **B. ALBENSI**, M. Steinmetz, D. Janigro. Differential Sensitivity of the BBB after Intracerebral Hemorrhage and Ischemic Stroke. AANS Mtg.
- 2001 P.A. Rasmussen, M.R. Mayberg, M. Kapural, M. Cavaglia, **B. ALBENSI**, M. Steinmetz and D. Janigro. Minimally Invasive Mechanical Evacuation of ICH in a Porcine Model using a Rheolytic Catheter. AANS Mtg.
- 2001 **B.C. ALBENSI**, M. Marroni, L. Cucullo, M.S. McAllister, D. Janigro. Effects of Endothelial Cells on Astrocytic Glucose Metabolism. Soc. Neurosci. Abstr.

Albensi

- 2001 S.M. Dombrowski, **B.C. ALBENSI**, S.Y. Desai, M. Marroni, L. Cucullo, K. Goodrich, W. Bingaman, I. Najm, M. Mayberg and D. Janigro, AED-Resistance in Human Epilepsy: Abnormalities in BBB Permeability and Intrinsic Cellular Mechanisms. Soc. Neurosci. Abstr.
- 2000 **B.C. ALBENSI**, P.G. Sullivan, M.B. Thompson, S.W. Scheff and M. P. Mattson. Effects of Cyclosporin on TBI-Induced Alterations in Hippocampal Synaptic Plasticity. Soc. of Neurochem. Abstr. v.74, supplement 2000, pp. S74A.
- 2000 **B.C. ALBENSI**, P.G. Sullivan, M.B. Thompson, S.W. Scheff and M. P. Mattson, Cyclosporin Improves TBI-Induced Alterations in Hippocampal Synaptic Plasticity. Mitochondrial Dysfunction in Pathogenesis Keystone Symposium.
- 1999 W. Duan, D.M. Gash, Z. Zhang, **B. C. ALBENSI** and M.P. Mattson. Participation of Par-4 in Degeneration of Dopaminergic Neurons in Models of Parkinson's Disease. Soc. Neurosci. Abstr. v.25, part 2, pp.1597.
- 1998 **B.C. ALBENSI** and M.P. Mattson. The Threshold for LTD Induction is Shifted in Hippocampal CA1 Neurons of Mice Lacking TNF Receptors. The Fourth Annual Kentucky Spinal Cord and Head Injury Research Symp., Lexington, KY.
- 1998 **B.C. ALBENSI**, A. J. Bruce-Keller, J. G. Begley and M.P. Mattson. Roles for Caspase Activation in Synaptic Plasticity and Degeneration. Soc. Neurosci. Abstr. v.24, no.707.3.
- 1997 B.G.M. Chew, **B.C. ALBENSI**, M.O. Mattingly, and J.J. Pekar. High Resolution In Vivo Brain MRI using Minimally Invasive Techniques. Exp. NIH Research Festival, *In vivo* NMR Ctr., Bethesda, MD.
- 1997 **B.C. ALBENSI**, S. Knoblach, B.G.M. Chew, M.P. O'Reilly, A.I. Faden, and J.J. Pekar. Evaluation of Temporal Evolution of Experimental Traumatic Brain Injury in Rats In Vivo using Magnetic Resonance Imaging. Messengers of Life & Death Conf., Lexington, KY.
- 1997 **B.C. ALBENSI**, S. Knoblach, B.G.M. Chew, M.P. O'Reilly, A.I. Faden, and J.J. Pekar. Temporal Evolution of Experimental Traumatic Brain Injury in Rats In Vivo using Magnetic Resonance Imaging at Seven Tesla. Soc. Neurosci. Abstr., v. 23, no. 108.12.
- 1997 B.G.M. Chew, **B.C. ALBENSI**, M.O. Mattingly, and J.J. Pekar. High Resolution In Vivo Brain MRI using Minimally Invasive Techniques. Exp. NMR Conference.
- 1995 **B.C. ALBENSI**, F.M. Filloux, T. Rarick, K.E. Clash & M.P. Schweizer. MRI of Hypoxic-Ischemic Injury in the Neonatal Rat Brain: Correlation with Histopathology. Soc. Neurosci. Abstr., v. 21, no. 92.9.
- 1995 F. M. Filloux, M.P. Schweizer, T. Rarick, K.E. Clash & **B.C. ALBENSI**. Hypoxic-Ischemic Injury in the Neonatal Rat Evaluated with Magnetic Resonance Imaging. *Annals Neurol.* v. 38: 503.
- 1994 **B.C. ALBENSI**, S. Hendee, M. P. Schweizer, and F. Filloux. 1H Imaging of Neonatal Rat Brain: In Vivo Evaluation of Hypoxia-Ischemia, Soc. Neurosci. Abstr., v. 20, no. 80.15.
- 1993 L.D. Hirning, A.L. Mueller, N. Alasti, L.D. Artman, E.G. Delmar, E.F. Nemeth, T.N. Parks, W.R. Gray, **B.C. ALBENSI** and H. Jackson, Biological Characterization of a P-type Calcium Channel Blocker, ω -Aga-K, from *Agelenopsis aperta* Spider Venom. Soc. Neurosci. Abstr., v. 19, no. 721.1.

Albenzi

- 1993 **B.C. ALBENSI**, K.T. Ryujin, J.M. McIntosh, S.R. Naisbitt, B.M. Olivera, & F.M. Filloux. Autoradiographic localization of [125I] ω -conotoxin GVIA binding sites in human hippocampus and cerebellum, Soc. Neurosci. Abstr., v. 19, no. 721.16.
- 1989 **B.C. ALBENSI**, A.L. Mueller, and H. Jackson. Effects of calcium antagonist peptide spider toxins on hippocampal synaptic transmission studied in vitro. Soc. Neurosci. Abstr., v. 15, no. 373.11.
- 1989 A.L. Mueller, A.H. Ganong, **B.C. ALBENSI**, and H. Jackson. Effects of polyamine spider toxins on NMDA receptor-mediated transmission in rat hippocampus in vitro. Soc. Neurosci. Abstr., v. 15, no. 373.10.

Non Peer-Reviewed - Online Articles

- 2020 **B.C. ALBENSI**. What Does Inflammation Have To Do With Alzheimer's Disease? <https://caretalk.com/alzheimers/home>
- 2015 **B.C. ALBENSI**. My parents both had Alzheimer's, will I get it too? www.Healthgreatness.com
- 2015 **B.C. ALBENSI**. Advances in Alzheimer's Disease, www.Healthgreatness.com
- 2015 **B.C. ALBENSI**. Women & Alzheimer's Disease, www.Healthgreatness.com
- 2014 **B.C. ALBENSI**. Concussions and Alzheimer's Disease, www.Healthgreatness.com
- 2014 **B.C. ALBENSI**. Diet and Alzheimer's Disease, www.Healthgreatness.com
- 2003 **B.C. ALBENSI**, A comparison of drug treatment versus electrical stimulation for suppressing seizure activity. Timely Topics in Medicine, www.ttmed.com

Published Theses

- 1995 **B.C. ALBENSI**. Evaluation of hypoxic-ischemic brain damage in the neonatal rat using MRI. Ph.D. Thesis, University of Utah (1995). William D. Carey Science Award given for Ph.D. thesis proposal competition. From AAAS, *Science* magazine.
- 1992 **B.C. ALBENSI**. Simultaneous Visual Processing in the Four-eyed Fish, *Anableps anableps*. Masters Thesis, Sonoma State University (1992).

INTELLECTUAL PROPERTY

- 2013 Biomarkers for rapid detection of an occurrence of a stroke event. In partnership with Dr. Kunjumon Vadakkan, the St. Boniface Research Hospital, and the Univ. of Manitoba.

INVITED ORAL PRESENTATIONS

Academic

- 2021 ISTAART NMD PIA, Alzheimer's Assoc. USA Webinar Series, *virtual*.
- 2021 Nova Southeastern University, College of Pharmacy, Ft Lauderdale, FL, USA
- 2020 11th Targeting Mitochondrial Congress, *virtual* (in-person mtg. cancelled)
- 2020 University of Missouri Kansas City, School of Pharmacy, Kansas City, MO, USA
- 2020 Central Michigan University, College of Medicine, Mt. Pleasant, MI, USA
- 2019 New York Genome Center, New York, NY, USA
- 2018 Long Island University-Brooklyn, College of Pharmacy & Health Sci., NY, USA
- 2017 Univ. Manitoba, Office Vice Dean of Research, Edge of Science & Medicine, Canada
- 2017 Rutgers University, Dept. Cell Biology & Neuroscience, Piscataway, NJ, USA
- 2017 HealthPartners Neuroscience Ctr., St Paul, MN, USA

Albenzi

- 2017 Univ. of the Sciences, Dept. Biological Sci., Philadelphia, PA, USA
- 2016 Fairleigh Dickinson Univ., Sch. of Pharmacy & Health Sci., Florham Pk., NJ, USA
- 2016 Univ. of Manitoba, Neuroscience Rounds, Winnipeg, MB, Canada
- 2016 Drexel University, Dept. Biology, Philadelphia, PA, USA
- 2016 North Dakota State Univ., Dept. Pharmaceutical Sciences, Fargo, ND, USA
- 2015 St. Boniface General Hospital, Geriatrics Grand Rounds, Winnipeg, MB, Canada
- 2014 International Conference on Geriatrics & Gerontology, Chicago, IL, USA
- 2012 U.S. Military Academy-West Point & U.S. Army Med. Res. & Materiel Command, Telemedicine & Advanced Tech. Res. Ctr., West Point, NY, USA
- 2012 St Boniface General Hospital, Nurses' Inservice, Winnipeg, MB, Canada
- 2012 Centre on Aging Res. Seminar Series, Univ. of Manitoba, Winnipeg, MB, Canada
- 2011 Baldwin-Wallace College, Neuroscience Program, Berea, OH, USA
- 2011 Des Moines University, Dept. Pharmacology & Physiology, Des Moines, IA, USA
- 2011 Manitoba Neuroscience Network & Clinical Rounds, Winnipeg, MB, Canada
- 2010 Alzheimer's Society of Manitoba, Winnipeg, MB, Canada
- 2009 Neuroscience seminar series, University of Montreal, QC, Canada
- 2008 Canadian Fed. of Biol. Soc. 52nd Scientific Conf., Winnipeg, MB, Canada
- 2007 Univ. Manitoba, Neuroscience Grand Rounds, Winnipeg, MB, Canada
- 2006 Manitoba Medical Service Foundation (MMSF), Winnipeg, MB, Canada
- 2006 MMSF & Univ. Manitoba (Deans Office), Winnipeg, MB, Canada
- 2005 Manitoba Medical Service Foundation (MMSF), Winnipeg, MB, Canada
- 2004 Univ. of Manitoba, Dept. of Pharmacology & Therapeutics, Wpg., MB, Canada
- 2004 Univ. New Mexico, Dept. of Neurology and COBRE, Albuquerque, NM, USA
- 2003 Cleveland Clinic, Epilepsy & Sleep Disorders Grd Rounds, Dept. Neurology, USA
- 2003 Univ. Kentucky, Chandler Medical Ctr., Dept. Pediatrics, Lexington, KY, USA
- 2003 Univ. of Colorado, Dept. Biology, Colorado Sprgs., CO, USA
- 2002 Cleveland Clinic, Epilepsy & Sleep Disorders Grand Rounds, Dept. Neurology, USA
- 2002 Univ. Kentucky, Dept. Anatomy & Neurobiology, Lexington, KY, USA
- 2000 The Neurosciences Institute, San Diego, CA, USA
- 2000 Cleveland Clinic Foundation, Dept. of Neurological Surgery, Grand Rounds, USA
- 2000 Univ. Michigan Medical Center, Dept. Anesthesiology, Ann Arbor, MI, USA
- 1998 Univ. Cincinnati, Raymond Walters College, Bio Dept., Cincinnati, OH, USA
- 1997 Univ. Kentucky, Sanders-Brown Res. Ctr. Aging, Lexington, KY, USA
- 1997 Eli Lilly & Co., CNS Research Laboratories, Indianapolis, IN, USA
- 1995 Georgetown Univ., Inst. Cognitive & Computational Sci., Washington, DC, USA
- 1995 NIH, NIMH - Lab of Diagnostic Radiology, Bethesda, MD, USA
- 1995 Harvard Med. Sch., Massachusetts General Hosp. NMR Ctr., Charlestown, MA, USA
- 1994 Johns Hopkins Univ. Med. Ctr., Dept. Anesthesiology, Baltimore, MD, USA
- 1994 Univ. Utah Med. School, Neurology Grand Rounds, Salt Lake City, UT, USA
- 1994 Soc. Magnetic Resonance Mtg., Surrey Med. Imaging Sys., San Fran., CA, USA

Public

- 2020 Brain Injury and Dementia. Sponsored by the Alzheimer's Society of Manitoba. Winnipeg, MB, Canada

Albeni

- 2020 Brain Injury and Dementia. Sponsored by the Manitoba Brain Injury Association. <https://www.youtube.com/watch?v=EppRSIZJhzI> Winnipeg, MB, Canada
- 2020 Opportunities for Improving Health and Nutrition: Partnerships Between the Lab and Ag Sector, Winnipeg, MB
- 2020 The Forgotten Ones: Challenges with Alzheimer's Research and Care. Live Well @Work Seminar Series, University of Manitoba, Winnipeg
- 2019 Seminar Chair, Spotlight on Dementia Research, Seminar by Dr. Saskia Savanathan, Alzheimer's Soc. Manitoba, Winnipeg, MB
- 2019 Keynote Speaker/Moderator - Scientific Panel (~300 attended), Dementia Care Conference, Alzheimer's Soc. Manitoba, Winnipeg, MB
- 2019 Speaker. Title: Nutrition and Dementia. Producing Nutrient Dense Food Meeting, Winnipeg, MB
- 2018 Moderator, Alzheimer's: My Brain, My Body, My Family, Panel Discussion, Winnipeg, MB
- 2016 Workshop Speaker, Dementia Care Conference, Alzheimer's Soc. Manitoba, Winnipeg, MB
- 2016 Speaker, A Night to Remember in Canada Gala (~900 attended talk), Alzheimer Society of Manitoba, Winnipeg MB
- 2015 Panel Member, Café Scientifique, Alzheimer's Disease: Can We Avoid It? Winnipeg, MB
- 2015 Speaker, Khartum Ladies Auxiliary, Winnipeg, MB
- 2015 Speaker, Carleton Breakfast Club, Manitoba Legislative Bldg., Winnipeg, MB
- 2015 Panel Member, Brain Matters, Concussions, Alzheimer's, and Autism, Sponsored by The Canadian Associates of Ben-Gurion University, Winnipeg, MB
- 2015 Moderator, Café Scientifique, How Concussions Affect the Brain (<https://www.youtube.com/watch?v=9pAXHcPMMS4&feature=em-uploademail>), Winnipeg, MB
- 2013 Speaker, Donors Appreciation Lunch - St. Boniface Foundation, Ft. Garry Hotel, Winnipeg MB, Canada
- 2013 Speaker, Goodbye Jitters, Toastmasters Club, Wpg., MB, Canada
- 2012 Speaker, MHRC 30th Anniversary, Forks Market, Memory & Alzheimer's Disease, Winnipeg, MB, Canada
- 2012 Speaker, 17 Wing West Winners Toastmasters Club, Dept. National Defence, Wpg, MB, Canada
- 2012 Speaker, Donors Appreciation Breakfast, St Boniface Hospital Research, Winnipeg MB, Canada
- 2008 Speaker, Scottish Rite Charitable Foundation of Canada, Luncheon talk, Winnipeg, MB, Canada
- 2007 Speaker, Manitoba Brain Injury Association, Inc., Winnipeg, MB, Canada

CONSULTING & CONTRACTING

Scientific or Medical Advisor

- 2019-20 CareTalk - Clinical Research.IO, Boston, MA
- 2019- Mitrix Bio (formerly called Mitochondrial Transfusion), San Francisco, CA

Albensi

General

- 2020- Efficient Co. - Fort Lauderdale, FL
- 2019- Clinical Research and Business Plan – ActivMed, Methuen, MA
- 2019- Grant Advisement - McAllister & Quinn, Washington, DC
- 2018 Medical Exam Questions - American Physician Institute, Westmont, IL
- 2015 Pharma Competitive Intelligence - EMC Analytics, Fair Lawn, NJ
- 2007 Grant Writing – Beautiful Savior Lutheran School, Winnipeg, MB
- 2007 Patent Consultant - Budd Lerner Law Firm, Short Hills, NJ
- 2004 Medical Writing - ProEd Healthcare Comm., Beechwood, OH
- 2000 Clinical Trials Reports - SynerMed, Califon, NJ
- 1998 Methods Development – Cell culture, Becton Dickinson, Franklin Lakes, NJ
- 1998 Medical Writing - Excerpta Medica, Inc., Belle Mead, NJ
- 1998 Program Development - Caribiner Communications, White Plains, NY
- 1990 Methods Development – Electrophysiology, Univ. Utah, SLC, UT

RADIO, TELEVISION, NEWSPAPER, & YOUTUBE INTERVIEWS

Broadcast

- 2020 Alzheimer’s Speaks Radio Talk Show – Interview by Lori La Bey
- 2020 Scientific Sense Talk Show – Interview by Gil Eapen
- 2020 IG Wealth Management Walk for Alzheimer’s – Interview with the Alzheimer’s Society
<https://www.youtube.com/watch?v=NdPpbApJzJQ> .
- 2020 MitoCanada Charity Challenge Marathon – Interview (at hr. 4:29:45) with Daniel Bowie
<https://www.youtube.com/watch?v=oeUYjHsxHgA>.
- 2020 Dementia. Apple Podcast – Interview with Dr. Therese Markow
<https://podcasts.apple.com/us/podcast/050-dr-ben-albensi-dementia/id1463016517?i=1000470852284> .
- 2020 Mitochondrial Function and Dementia - Live Interview with Dr. Philip McMillan
https://www.youtube.com/watch?v=0vffQ5NPI_M&t=39s .
- 2020 St Boniface Mega Million Choices Hospital Lottery – Commercial with Kahla Evans - Global TV
<https://globalnews.ca/video/6550851/st-boniface-hospital-foundation-dr-benedict-c-albensi>.
- 2019 How the Brain Remembers. Apple Podcast – Interview with Dr. Therese Markow
<https://podcasts.apple.com/us/podcast/critically-speaking/id1463016517> .
- 2019 Spotlight on Dementia Research Panel Discussion – CJOB 680 radio – Global News. Interview by Geoff Currier.
- 2019 The Future of Alzheimer’s Disease - on CTV for the Medical Watch Show. Interview by Michelle Gerwing.
- 2019 Blood Tests & Alzheimer’s Disease - AAIC meeting findings, Global News, CJOB 680 AM radio, Interview by Julie Buckingham.
- 2019 Dementia Research, CJNU 93.7 FM radio, Interview by Jessica Miller.
- 2019 Mitochondrial Disease, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Kris Gutierrez.

Albenzi

- 2018 Alzheimer's Awareness Month, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling, Kris Gutierrez, and Vince Barletta.
- 2018 Mito2017 conference interview on importance of MitoCanada & MitoNET -Youtube.
- 2018 Future Trends and Economic Burden of Dementia, Global News - CJOB 680 AM radio, Interview by Greg Mackling and Brett Megarry.
- 2018 Dementia Research, CJNU 93.7 FM radio, Interview by Paul Richl.
- 2018 BACE1 in Alzheimer's disease, Global News - CJOB 680 AM radio, Interview by Greg Mackling and Brett Megarry.
- 2018 Alzheimer's Awareness Survey, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Vince Barletta.
- 2018 Alzheimer's Awareness Survey, Richard Cloutier Show - CJOB 680 AM radio, Interview by Richard Cloutier and Julie Buckingham.
- 2017 Dementia and Stroke, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling, Kris Gutierrez, and Vince Barletta.
- 2016 NHL Commissioner denies link between CTE and CNS Disease, CJOB 680 AM radio, Geoff Currier Show, Interview by Greg Mackling.
- 2016 Call in to Alzheimer's Talks radio show, sponsored by UsAgainstAlzheimers, Discussion with Dianne Rehm (from NPR) & George Vradenburg.
- 2016 Sphenopalatine ganglioneuralgia and slurpees. Global TV, Interview by Cole Deakin.
- 2015 Glen Campbell's Struggles with Alzheimer's. Geoff Currier Show – CJOB 680 AM radio, Interview by Greg Mackling.
- 2015 Alzheimer's Disease International (ADI) 2015 report, River City 360 Show – CJNU 93.7 FM radio, Interview with Nolan Bicknell.
- 2015 Mitochondrial Awareness Week, Golden West Radio - CFAM 950 AM radio, Interview with Rochelle Rawdon.
- 2015 Alzheimer's Disease International (ADI) 2015 report, River City 360 Show, CJNU FM radio, Interview by Nolan Bicknell.
- 2015 Manitoba Dementia Research Chair and Program, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2015 Alzheimer's Disease International (ADI) 2015 report, Richard Cloutier Reports Show, CJOB 680 AM radio, Interview by Brett Megarry and Kathy Kennedy.
- 2015 Announcement of Manitoba Dementia Research Chair and Program, Radio Noon Program, CBC 89.2 FM radio, Interview by Janet Stewart.
- 2015 Announcement of Manitoba Dementia Research Chair and Program. All News Drive Show, CJOB 680 AM radio, Interview by Don Cook.
- 2015 A Real Life Groundhog Day (Anterograde Amnesia), The Charles Adler Show – CJOB 680 AM radio, Interview by Charles Adler.
- 2015 Demanding Jobs and Cognitive Decline, The Charles Adler Show – CJOB 680 AM radio, Interview by Charles Adler.
- 2015 The Placebo and Nacebo Effects, The Charles Adler Show – CJOB 680 AM radio, Interview by Charles Adler.
- 2015 Advances in Research, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2015 Chronic Traumatic Encephalopathy (CTE), the Dahlia Kurtz Show, CJOB 680 AM radio, Interview by Greg Mackling.

Albeni

- 2015 Advances in Alzheimers, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2015 The Albeni Lab, St. Boniface Research Ctr., <https://www.youtube.com/watch?v=evcKTGYKvIA>
- 2015 The Face of Alzheimer's, Shaw TV, Interview by Kevin Hirschfield, <https://www.youtube.com/watch?v=uMsB0ad0KLA>
- 2015 Gender and Alzheimers, The Charles Adler Show – CJOB 680 AM radio, Interview by Charles Adler.
- 2015 Gender and Alzheimers, City TV - Breakfast TV Show, Interview by Ashley Wiebe.
- 2014 Sleep and Memories, The Charles Adler Show – CJOB 680 AM Radio, Interview by Charles Adler.
- 2014 St. Boniface Radiothon – Hope and Healing, CJOB 680 AM radio. Dementia and Alzheimer's disease, Interview by Greg Mackling and Chuck LaFleche.
- 2014 Reconstructing Memories, The Charles Adler Show – CJOB 680 AM radio, Interview by Charles Adler.
- 2014 Research Awareness Campaign, Interview of my research program featured on www.researchwashere.com.
- 2014 Advances in Alzheimers, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2013 Gender Differences in Alzheimer's Disease, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2013 Alzheimer's Disease and Spotlight on Research Event, The Nighthawk - CJOB 680 AM radio, Interview by Greg Mackling.
- 2013 Head Trauma and Alzheimer's Disease Dementia, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2013 CTV news TV– Modern Medicine Series, Interview by Maralee Caruso.
- 2012 St. Boniface Radiothon – Hope and Healing, CJOB 680 AM radio. Dementia and Alzheimer's disease, Interview by Greg Mackling and Chuck LaFleche.
- 2012 Alzheimer's Disease and Dementia, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling and Chuck LaFleche.
- 2012 Brain Disease & Links to Football. CTV News. 6 PM News, Interview by Josh Crabb.
- 2012 Aging and Alzheimer's Disease, Richard Cloutier Reports – CJOB 680 AM radio Broadcast, Interview by Richard Cloutier.
- 2011 Group panel discussion with NBA, MVP player, Steve Nash, St. Boniface Res. Ctr., Wpg, MB.
- 2011 Neurostimulation in Epilepsy, The Health Report – CJOB 680 AM radio, Interview by Greg Mackling.
- 2008 Discussion with Bob Geldolf, Film coverage by CBC, CTV, & Global news.
- 2008 Memory & Disease, The Health Report – CJOB 680 AM radio, Interview by Grant Pierce.

Text

- 2018 Epigenetics, Aging, & Alzheimer's, Dementia Connection Magazine, Interview by Jennifer Dorozio.

Albenzi

- 2018 A personal perspective of Alzheimer's disease, Alzheimer's Soc. Manitoba Email Newsletter, Interview by Lorna Wenger.
- 2017 Dissecting Dementia, WAVE Winnipeg's Health & Wellness Magazine (<http://wavemag.ca/2017/06/dissecting-dementia.php>), Interview by Joel Schlesinger
- 2015 Dementia research nets \$500K in research funds over 5 years, *CBC NEWS*, Interview by Jeff Stapleton
- 2015 Dollars for Delving into Dementia, *Winnipeg Free Press*, Interview by Bruce Owen, <http://www.winnipegfreepress.com/local/dollars-for-delving-into-dementia-322249901.html>
- 2015 Alzheimer's Society of Manitoba Announcement, <http://www.alzheimer.mb.ca/dr-ben-albenzi-new-dementia-research-chair/>
- 2015 In Conversation with Benedict Albenzi, *Winnipeg Free Press*, Interview by Carol Sanders, <http://www.winnipegfreepress.com/local/in-conversation-with-benedict-albenzi-288911191.html>
- 2014 Manitoba Movers, *Winnipeg Free Press* newspaper article <http://www.winnipegfreepress.com/business/manitoba-movers-277404041.html>.
- 2014 Research Awareness Campaign, Advertisements featuring my research appearing in the *Winnipeg Free Press* newspaper, *La Liberte* newspaper, Winnipeg city transit buses, and Winnipeg billboards.
- 2012 Alzheimer Society of Manitoba, Interview by Staff, <http://alzheimer.mb.ca/researchmb/albenzi.html>
- 2012 Memory and Alzheimer's disease. *La Liberte'* newspaper, Interview by Matthieu Tremblay.
- 2012 One Million Dollar Legacy Creates Opportunities for Alzheimer's Disease, St. Boniface Hospital Report to Community – Newspaper insert, Interview by Laura Ruddock. *Winnipeg Free Press*.
- 2010 Alzheimer Society Newsletter, Interview with Daniel Paspaporn, Winnipeg, MB
- 2008 Discussion with Bob Geldolf, Newspaper coverage by *Winnipeg Free Press*, Interview by Bartley Kives.
- 2007 Probing the roots of Alzheimer's disease, Scottish Rite Charitable Foundation of Canada, *The Foundation Newsletter*, Interview by Staff Writer.
- 2007 Feature article on MHRC operating grant, MHRC (Annual Report), Interview by Bernie Kruchak.
- 2007 Feature article on my student, Alzheimer's Society of Manitoba for *Winnipeg Free Press* article/insert, Interview by Rebecca.
- 2006 Mechanisms of memory, *The Bulletin* (Univ. of Manitoba newspaper), Interview by Frank Nolan.
- 2005 Neuroscientist joins St. Boniface Team, St. Boniface Hospital & Res. Found. (newsletter), Interview by Jill Gibson (Oct) quarterly newsletter/brochure
- 2003 Alzheimer's research, *Daily Gazette* (NY newspaper), Interview by Brian McGuire, Schenectady, NY.

ONLINE LISTINGS

- 2014-18 EvidenceNetwork.ca – nonbiased policy experts and opinion.

SERVICE

LEADERSHIP AND GENERAL ADMINISTRATIVE

Board of Director Appointments

- 9/2020- **Director** on Board of Directors, Brain Injury Association of Manitoba (non-profit), Winnipeg, MB
- 9/2015- **Director** on Board of Directors, MitoCanada (non-profit), Brantford, ON
- 2014-17 **Director** on Board of Directors, The Movement Centre of Manitoba (non-profit), Winnipeg, MB
- 2013-15 **Director** on Board of Directors, Alzheimer's Society of Manitoba (non-profit), Winnipeg, MB (stepped down 7/2015 to accept Manitoba Dementia Res. Chair)

International and National Committees

- 10/2020- **Vice Chair - Chair-elect** (elected by international online ballot), ISTAART-Alzheimer's Association, Nutrition, Metabolism, & Dementia PIA Executive Committee, Chicago, IL, USA
- 9/2018- **Co-Chair** Systems Integrity Team (SASI Leadership Team) - ACRES (Alliance for Clinical Research Excellence and Safety) Global, HQ-Boston, MA, USA
- 7/2018 **Co-Chair** Featured Research Session (FRS), Advances in Nutrition and Dementia Research. Approx. 175 attendees, AAIC Meeting, Chicago, IL, USA
- 7/2018 **Co-Chair** Nutrition, Metabolism, & Dementia PIA Meeting, ISTAART-Alzheimer's Association, Chicago, IL, USA
- 4/2018- **Chair** of Weston Study Multi-site Multi-national Clinical Data (rTMS-AD study) and Safety Monitoring Board (DSMB) - Canada & Australia
- 1/2018-19 **Vice Chair**, NCURA eRA Collaborative Working Group - Neighborhood Committee.
- 1/2017-19 Electronic Research Administration (eRA) Collaborative Working Group – National Council of University Research Administrators (NCURA).
- 9/2016-18 Working Group Member (Aging & Cognition team) for ACRES – Alliance for Clinical Research Excellence and Safety, Boston, MA, USA
- 7/2016 **Co-Chair** Nutrition, Metabolism, & Dementia PIA Meeting, ISTAART-Alzheimer's Association, Toronto, ON, Canada
- 4/2016-19 **Communications Chair** (elected by international online ballot), ISTAART-Alzheimer's Association, Nutrition, Metabolism, & Dementia PIA Executive Committee, Chicago, IL, USA
- 2/2017 **Chair**, Academic Program Review of the Division of Medical Sciences (site visit & Review) for the Univ. of Victoria, Canada.
- 7/2014 **Moderator** for Keynote speakers and Session Chair for Nutrition and Ageing track; Women and Aging track; Palliative Care in Geriatrics track; End of Life track, International Conference on Geriatrics & Gerontology. Chicago, IL
- 2013 External Referee for Faculty Tenure and/or Promotion Applications, Faculty of Medicine, University of Montreal, QC
- 9/2009-10 Member of Education Committee, Canadian Soc. for Pharmacology & Therapeutics, Hamilton, ON
- 2001-11 Scientific advisory board member, Prous Science, *Drug News & Perspectives*, Barcelona, Spain

Albenzi

- 1999 Technology committee, American Epilepsy Society, West Hartford CT
1994 Utah Science Center, Planning Committee, SLC, UT

International and National Grant Review Committees

- 12/2020 External Review, **Brain Canada**, Future Leaders in Canadian Brain Research
5/2019 External Review, **Alz. Assoc. Research Grants (AARG & AARG-D)** USA, online.
4/2019 External Review. **NASA EONS Peer Review-MISTC Group 2**, USA
1/2019 Panel Member (Level II review), **Alz. Assoc. Research Grants (AARG)** USA, online.
5/2018 Panel Member, **Children's Hosp. Res. Inst. Manitoba (CHRIM)**, Wpg. CA
2017- Member, **CIHR – College of Reviewers**, Canada
2017 External Review. **NASA EPSCoR**, USA
2017 External Review. **Alzheimer's Society of the UK**, London, England
2016 External Review. **CIHR**, Project Scheme.
2/2016 External Review. **Manitoba Spinal Cord Injury Research Committee**, Winnipeg, MB, Canada
5/2015 External Review, **Neurological Foundation of New Zealand**
9/2014 External Review. **National Science Centre**, Poland.
9/2014 **Chair, CFI/Fonds de Recherche du Québec-Santé** (Large imaging equipment grants), Montreal, QC, Canada.
8/2014 External Review. **Netherlands Organisation for Health Research and Development (ZonMw)**, TOP programme round 2014.
5/2014 Panel Member, **Manitoba Inst. of Child Health (MICH)**, Winnipeg, MB, Canada
5/2014 External Review. **Medical Research Council (MRC)**, United Kingdom.
2/2014 External Review. **Manitoba Spinal Cord Injury Research Committee**, Winnipeg, MB, Canada
7/2010-13 Regular Panel Member (Operating grants) - **Biological and Clinical Aspects of Aging (BCA) Peer Review Committee**, CIHR Ottawa, ON, Canada
5/2013 Panel Member, **Manitoba Health Research Council (MHRC)**, Winnipeg, MB, Canada
2/2013 Panel Member. **Fonds de Recherche du Québec-Santé** (Alzheimer's operating grants), Montreal, QC, Canada.
1/2013 External review, Discovery grant – National Science & Engineering Research Council (**NSERC**).
8/2012 External reviewer. **The American Institute of Biological Sciences (AIBS)**, Peer Reviewed Medical Res. Prog. **CDMRP-Dept. of Defense (DOD)**, operating grants (epilepsy). Washington, DC, USA
12/2011 External review, Discovery grant - **NSERC**.
3/2011 External review, **Agence Nationale de la Recherche**, Paris, France
1/2011 External review, Leaders Opportunities Fund - **Canada Foundation for Innovation (CFI)**.
10/2010 External review, Program grant – **Wellcome Trust, Neuroscience and Mental Health Section**, London, UK

Albenzi

- 2009-10 Guest Panel Member, (Operating grants) - **Biological and Clinical Aspects of Aging (BCA) Peer Review Committee, CIHR** Ottawa, ON, Canada
- 5/2009 External review, Operating grant – **Neurosciences B committee, CIHR.**
- 5/2009 Panel Member, **Manitoba Health Research Council (MHRC)**, Winnipeg, MB, Canada
- 4/2009 Panel member. **Centre on Aging Scholarship Adjudication Committee, Univ. of Manitoba** Winnipeg, MB, Canada
- 12/2008 External review, Operating grant – **Cardiovascular C comm., CIHR.** Canada
- 11/2008 External review, Operating grant – **Targeted initiatives branch, CIHR.** Canada
- 8/2008 External review, Strategic projects grant - **NSERC.** Canada
- 6/2008 External review, **Japan-Canada Joint Health Research Program – CIHR.**
- 2006-09 Panel Member: **Alzheimer Society of Canada** (Alzheimer's grants), Toronto, ON, Canada
- 2/2006 Panel member: **CIHR Res. Resource Grants Com. A** (equipment grants), Ottawa, ON, Canada
- 11/2005 Panel member: **Molecular and Cellular Developmental Neuroscience; NIH Special Emphasis Panel, ZRG1 MDCN-L (12)** (R43, R44 grants), Bethesda, MD, USA
- 5/2004 External review: Panel titled: "**Neuroscience: epilepsy, neurotoxins, and chronic pain**". **The American Institute of Biological Sciences (AIBS)**, Peer Reviewed Medical Res. Prog. **CDMRP-Dept. of Defense (DOD)**, Washington, DC, USA
- 4/2004 **Chair** for the **ZRG1 Brain Disorders and Clinical Neuroscience (BDCN-F12); NIH -Biomedical Engineering SBIR Special Emphasis Panel** (R44 grant), Bethesda, MD, USA
- 2003-07 External review, Operating grants, **Philip Morris, Research Management Group** (cellular injury, memory deficits, LTP), Linthicum Heights, MD, USA
- 2003-05 Panel member: **Brain Disorders and Clinical Neuroscience (BDCN); NIH Neuropharmacology Special Emphasis Panel, ZRG1 SSS-S (11) B** (RO1, R41, R43 grants), Bethesda, MD, USA
- 2002-05 Panel member: **Brain Disorders and Clinical Neuroscience (BDCN-2); Bioengineering NIH Special Emphasis Panel, ZRG1 SSS-S (10) B** (RO1, R21, R43 grants), Bethesda, MD, USA
- 2002 External review of operating grants (stroke/neuroprotective drugs) for **U.S. Civilian Research & Development Foundation (CRDF)**, Arlington, VA, USA
- 2000- External Review (Level I). **Alzheimer's Association USA** (Part the Cloud Translational Research, NIRG, IIRG, Zenith, and Pioneer grants), online.

State or Provincial Committees and/or Campaigns

- 2021 January is Alzheimer's Awareness Month – in cooperation with Alzheimer's Soc. of Manitoba. Media, newspaper announcements.
- 2019 January is Alzheimer's Awareness Month – in cooperation with Alzheimer's Soc. of Manitoba. Media, newspaper announcements.
- 4/2018 Direct Mail Campaign-Alzheimer's Society. Donation invitation letter from me to Manitobans (~14,500 people).

Albenzi

- 2018 January is Alzheimer's Awareness Month – in cooperation with Alzheimer's Soc. of Manitoba. Media, newspaper announcements.
- 2017 January is Alzheimer's Awareness Month – in cooperation with Alzheimer's Soc. of Manitoba. Media, newspaper announcements.
- 2015 January is Alzheimer's Awareness Month – in cooperation with Alzheimer's Soc. of Manitoba. Media, newspaper announcements.
- 2015-2015-16 **Chair** of the Manitoba Dementia Research Committee, Winnipeg, MB
- Scientific Meeting Chair** for June 2016 Manitoba Neuroscience Network Meeting, Winnipeg, MB (190 attendees)
- 2010 **Session Chair**, Manitoba Neuroscience Network, Scientific Meeting, Wpg. MB
- 2006-08 **Treasurer**, Winnipeg Chapter of the Society for Neuroscience, Wpg. MB
- 2008-11 Panel member on Advisory Board, Manitoba Brain Injury Assoc., Wpg. MB

University Committees and Local Community Committees (non grant review)

- 7/2018-2016- **Senator**, Faculty Senate (elected) - Faculty of Health Sciences, Univ. of Manitoba
- Small Animal & Materials Imaging Oversight Committee, Univ. of Manitoba, Wpg, MB
- 2016-18 30th year Anniversary St. Boniface Hospital Research Gala planning committee (scientific session, dinner, and reception), Winnipeg, MB
- 2013- Children's Hosp. Res. Inst. of Manitoba, Teddy Bear Picnic (promotional materials passed out for mitochondrial disease awareness - MitoCanada), Wpg.
- 2009- Coordinator, Canadian Medical Hall of Fame – Discovery Days in Health Sciences, representing Dept. of Pharmacology & Therapeutics and Div'n. of Neurodegen. Disorders Wpg. MB
- 1/2016 Member of the Riverview Health Centre Alzheimer Care Centre of Excellence Research Committee, Winnipeg, MB
- 2014-16 **Chair** of Biomedical Engineering (BME) Membership Committee, Univ. of Manitoba, Wpg, MB
- 5/2015 Major Student Research Awards Committee. Univ. of Manitoba, Wpg, MB
- 2014 Faculty Recruitment Committee, Dept. of Pharm. & Therapeutics, Univ. of Manitoba, Wpg., MB
- 2014 Pharmacology Curriculum Committee. Dept. Pharmacology & Therapeutics, Univ. of Manitoba, Wpg. MB
- 2013-14 **Chair** of BME Curriculum Committee, Univ. of Manitoba, Wpg, MB
- 2012-13 University of Manitoba's Biomedical Engineering Society, Academic Advisor. Univ. of Manitoba, Wpg. MB
- 2012-13 Member BME Curriculum Committee. Univ. of Manitoba, Wpg. MB
- 2010-13 Coordinator, Dept. of Pharmacology Seminar series. Univ. of Manitoba, Wpg. MB
- 2007-13 Panel member on Advisory Board, Centre on Aging, Univ. of Manitoba
- 2007-12 Laboratory safety inspection team, St. Boniface Research Ctr., Wpg. MB
- 5/2012 endMS SPRINT Career Paths Panel Member, Univ. of Manitoba, Wpg., MB
- 3/2012 Medical Student Candidate Recruitment Committee, Faculty Medicine, Univ. of Manitoba, Faculty Medicine, Univ. of Manitoba

Albeni

- 2007-11 Pharm. & Therapeutics Dept. Representative, Faculty Council Graduate Studies, Univ. of Manitoba
- 3/2006 Medical Student Candidate Recruitment Committee, Faculty Medicine, Univ. of Manitoba
- 12/2005 Faculty Recruitment Committee, Dept. of Pharm. & Therapeutics, Univ. of Manitoba, Wpg., MB
- 2005 Exhibitor (booth) for Dept. of Pharm. & Therapeutics, Univ. of Manitoba; Manitoba's Annual Business of Science Symposium (BoSS), Bioscience Leaders Program, Winnipeg, MB
- 2001-02 Fundraising & planning for Cleveland Clinic-sponsored Blood Brain Barrier Symp. (held in: San Diego 2001, Cleveland 2002)
- 2001-02 Recruitment Committee, Incoming neurosurgery resident candidates, Cleveland Clinic, Cleveland, OH
- 2000-01 Imaging initiative task force, Parke-Davis/Warner-Lambert, Ann Arbor, MI
- 1999-00 Scientific education task force, Parke-Davis/Warner-Lambert, Ann Arbor, MI
- 1989 Safety Committee, Natural Product Science Pharmaceuticals, SLC, UT
- 1986-87 Neuroscience exhibit Demonstrator, Exploratorium Museum, San Francisco, CA
- 1986 Quality Assurance Committee, Multi-Tech Labs, Rohnert Pk., CA

Science Fair and Research Poster Judging

- 2020 Poster judge, American Neurological Association Meeting, Online
- 2020 Judge, Youth Science Canada/Bison Regional Science Fair, Online
- 2018 Bison Regional Science Fair judge, Winnipeg, MB
- 2015 Research poster judge, BiomedCon, Biomedical Engineering Symposium, Univ. of Manitoba, Winnipeg
- 2012 Science fair judge, Manitoba Poster Competition, Canadian Student Health Res. Forum, Wpg., MB
- 2011 Science fair judge, Manitoba Poster Competition, Canadian Student Health Res. Forum, Wpg., MB
- 2010 Science fair judge, MICH research symposium, Univ. of Manitoba, Winnipeg
- 2010 Science fair judge, St. Boniface Diocesan High School, Winnipeg, MB
- 2009 Research poster judge, St. John's-Ravenscourt High School, Winnipeg, MB
- 2009 Science fair judge, Sanofi-Aventis Biotech Challenge-Science Fair, Winnipeg, MB
- 2007 Science fair judge, Manitoba Poster Competition, Canadian Student Health Res. Forum, Wpg., MB
- 2007 Science fair judge, St. Boniface Diocesan High School, Winnipeg, MB
- 2006 Science fair judge, Manitoba Poster Competition, Canadian Student Health Res. Forum, Wpg., MB
- 2006 Special awards science fair judge, Manitoba School's Science Symposium (MSSS), Winnipeg, MB
- 2006 Science fair judge, Sanofi-Aventis Biotech Challenge-Science Fair, Winnipeg, MB
- 2005 Science fair judge, Manitoba Poster Competition, Canadian Student Health Res. Forum, Wpg., MB

Albenzi

- 2001 Science fair judge, Ann Arbor Public Schools, Ann Arbor, MI
1999 Science fair judge, Lexington Public Schools, Lexington, KY

EDITORIAL

Editorial Boards

- 2020- **Editor-in-Chief**, *Molecular Neurobiology*, Springer-Nature Pub., NY, USA
2020- **Senior Editor** *Journal of Alzheimer's Disease*. IOS Press Pub., Netherlands
2018-19 **Associate Editor** *Journal of Alzheimer's Disease*. IOS Press Pub., Netherlands
2014- **Associate Editor** (Basic Sciences). *Brain Injury*, Official journal of the International Brain Injury Assoc. (IBIA), Taylor & Francis Pub, USA
2014-19 Review Editor. *Frontiers in Aging Neuroscience*, Frontiers Pub, Switzerland
2015-16 Review Editor. *Magnetic Resonance Insights*, Libertas Academica Ltd, Auckland, New Zealand
2014-16 Review Editor. *BioMed Research International: Geriatrics*, Hindawi Pub, New York, USA
2009-16 Review Editor. *CNS & Neurological Disorders - Drug Targets*, Bentham Science Pubs., USA
2013-14 Editorial Advisory Board. *Brain Injury*, USA
2001-10 Scientific Advisory Board. *Drug News & Perspectives*, Prous Science, Spain

Special Issues - Guest Editor

- 2014-15 Transcriptional Regulation of Memory in *Frontiers in Molecular Neuroscience*. Frontiers Pub, Switzerland. <http://journal.frontiersin.org/researchtopic/3538/the-transcriptional-regulation-of-memory> (cross listed below)
2014-15 Supplement on New Concepts in Magnetic Resonance as Applied to Cellular and In Vivo Applications in *Magnetic Resonance Insights*, Libertas Academica Pub, New Zealand
2014-16 NF- κ B in Alzheimer's Disease in *CNS & Neurological Disorders - Drug Targets*, Bentham Science Pubs., USA

Books - Lead Editor

- 2016 Transcriptional Regulation of Memory, *Front Mol Neurosci*, Frontiers Pub., Switzerland
2012 Transcription Factors CREB and NF- κ B: Involvement in Synaptic plasticity and memory formation), Bentham Sci. Pub., Oak Park, IL

Manuscript Ad Hoc Referee (various dates)

- 2019- *Expert Review of Proteomics*
2018- *Journal of Psychiatric Research*
2017- *Scientific Reports (Nature Pub Group)*
2016- *Molecular Brain*
2016- *Oncotarget*
2016- *NeuroMolecular Medicine*
2015- *Pathophysiology*
2015- *Frontiers (several journals within their family of journals)*

Albeni

2014-	<i>Annals of Biomedical Engineering</i>
2013-	<i>British Journal of Medicine & Medical Research</i>
2013-	<i>Molecular Neurobiology</i>
2013-	<i>Biochimica et Biophysica Acta (BBA) – Molecular Basis of Disease</i>
2012-	<i>Alzheimer's & Dementia</i>
2012-	<i>BMC Biochemistry</i>
2012-	<i>Journal of Comparative Neurology</i>
2012-	<i>NeuroSignals</i>
2012-	<i>Neuroscience Letters</i>
2011-	<i>Neuropeptides</i>
2011-	<i>Acta Neurologica Scandinavica</i>
2010-	<i>PloS ONE</i>
2009-	<i>CNS & Neurological Disorders – Drug Targets</i>
2009-	<i>Drug News and Perspectives</i>
2009-	<i>British Journal of Pharmacology</i>
2009-	<i>Molecular and Cellular Biochemistry</i>
2008-	<i>BMC Neuroscience</i>
2008-	<i>Canadian Journal of Physiology and Pharmacology</i>
2007-	<i>Cerebral Cortex</i>
2005-	<i>Neuromolecular Medicine</i>
2004-	<i>Neurobiology of Aging</i>
2004-	<i>Epilepsia</i>
2002-	<i>Brain Injury</i>
2002-	<i>Journal of Neuroscience</i>
2001-	<i>Journal of Molecular Neuroscience</i>
2000-	<i>Journal of Neurochemistry</i>
1999-	<i>Investigative Radiology</i>
1999-	<i>Journal of Neuroscience Research</i>
1998-	<i>Hippocampus</i>

Newsletter Service

2012	Canadian Soc. for Pharmacology & Therapeutics - Newsletter Editor
1995	Society of Neuroscience, Intermountain Chapter, Newsletter Editor
1988	Natural Product Science Pharmaceuticals, Newsletter – Editor
1986	Multi-Tech Labs, Newsletter - Editor

Albeni

TEACHING

COURSE DIRECTOR

Fall 2016-Winter 2017, Fall 2015-Winter 2016 (12 wk terms for Univ. of Manitoba)

Director, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology-Neuroscience Stream, PHAC 7132** – 3 cr. hrs. Graduate level & required year-long pharmacology class.

Fall 2017-Winter 2018, Fall 2016-Winter 2017

Director, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology-Cardiovascular Stream, PHAC 7134** – 3 cr. hrs. Graduate level & required year-long pharmacology class.

Fall 2014-Wtr 2015, Fall 2013-Wtr 2014

Director, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology, PHAC 7130** – 6 cr. hrs. Graduate level & required year-long pharmacology class.

Winter 2014, Winter 2012, Fall 2009

Director, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Clinical Trial Design, PHAC 7210** – 3 cr. hrs. Elective graduate class for one term.

Fall 2003

Director, Dept. of Biology, Case Western Reserve University, Cleveland, OH, **Introduction to Neurobiology, 373/473**. Undergraduate and graduate/premed & biomedical engineers.

Spr. 1995 (2 classes on same day), Fall 1994

Director, Adjunct Faculty, Biol Dept., Salt Lake Comm. Coll., **Introduction to Biology 101**. Undergraduates.

INVITED LECTURES (by other schools)

Fall 2020

Guest Lecturer, NEUR 321, University of Calgary. Online lecture on synaptic plasticity and memory.

LECTURER/INSTRUCTOR - HEALTHCARE PROFESSIONALS

Traditional Classroom – medical students

Winter 2015, Winter 2014, Winter 2013, Winter 2012, Winter 2011, Winter 2010, Winter 2009

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba **Med 2 Block 5, NE-071 (L) Pharmacology of Epilepsy**.

Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009

Lecturer, Univ. of Manitoba Medical School, **Med 1 Block 2, SF-081, The Process of New Drug Development**.

Albensi

Traditional Classroom – dentistry students

Fall 2020, Fall 2019, Fall 2018, Fall 2017

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **DDSS 3162, Pharmacokinetics/Drug disposition**. Two lectures.

Winter 2020, Winter 2019, Winter 2018, Winter 2017

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **DDSS 3162** (formerly ORLB 3320), **Epilepsy Drugs**. One lecture on epilepsy drugs.

Traditional Classroom – other health care professionals (nursing/pharmacy/physician-assistant (PA)/respiratory-therapist students)

Winter 2021, Fall 2019, Winter 2019, Winter 2018, Winter 2017, Winter 2016

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Respiratory Pharmacology, RESP 1440** – 3 cr. hrs. Two to three lectures on pharmacokinetics.

Winter 2021, Winter 2020, Fall 2019, Fall 2018, Fall 2016, Winter 2016, Winter 2015, Winter 2014, Winter 2013, Winter 2012, Winter 2011, Wtr. 2009, Fall 2008, Wtr. 2008, Fall 2007, Wtr. 2007, Fall 2006

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacy/Nursing/PA, PHAC 2100** – 6 cr. hrs. Two lectures on epilepsy/antiepileptic drugs.

Fall 2020, Fall 2019, Fall 2018, Fall 2017, Fall 2016, Fall 2015

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacy/PA, PHAC 2100** – 6 cr. hrs. Five-six lectures and tutorials on pharmacodynamics/pharmacokinetics/drug disposition.

HEALTHCARE STUDENT TUTORIALS/CASE BASED LEARNING

Fall 2020, Fall 2019, Fall 2018, Fall 2017, Fall 2016, Fall 2015.

University of Manitoba Faculty of Health Sci., **Physician Assistant** students.

PHAC 7230, Pharmacokinetics.

Wtr. 2015, Wtr. 2014, Wtr., 2013, Wtr. 2012

Course Tutorial Facilitator, Univ. of Manitoba Coll. of Medicine, **Medical Students, Med 1 Block 2, NE-081, Pain**.

Wtr. 2014.

Course Tutorial Facilitator, Univ. of Manitoba Coll. of Medicine, **Medical Students, Med 2 PR Cases** (problem solving).

Winter 2014, Winter 2013, Winter 2012, Winter 2011, Winter 2010, Winter 2009

Course Tutorial Facilitator, Univ. of Manitoba Coll. of Medicine, **Medical Students, Med 1 Block 2, HD088 (T7), Psychotropics**.

Albeni

Fall 2013, Fall 2012, Fall 2011

Course Tutorial Facilitator, Univ. of Manitoba Coll. of Medicine, **Medical Students, Med 1 Block 1, SF-047, Excitable Cells-Role of Potassium.**

Fall 2010, Fall. 2009, Fall 2008, Fall 2007

Course Tutorial Facilitator, Univ. of Manitoba Coll. of Medicine, **Medical Students, Med 1 Block 1, SF-056 (T7), Excitable Cells-Role of Potassium.**

LECTURER/INSTRUCTOR – UNDERGRADUATE AND GRADUATE

Traditional Classroom – graduate students

Fall 2019, Fall 2018, Fall 2017, Fall 2016, Fall 2015

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology, PHAC 7132/7134** – 3 cr. hrs. Four-Six lectures and one tutorial on pharmacodynamics/pharmacokinetics/drug disposition (graduate students).

Wtr. 2011, Fall 2010, Wtr. 2009, Fall 2008, Wtr. 2007, Fall 2006

Lecturer, Interdepartmental, Univ. of Manitoba, **Fundamentals of Neuroscience, IMED 7100** – 6 cr. hrs. Two lectures on a) memory/LTP and b) epilepsy/antiepileptic drugs.

Wtr. 2014, Wtr. 2012

Lecturer, Interdepartmental, Univ. of Manitoba, **Fundamentals of Neuroscience, IMED 7101** – 3 cr. hrs. Lecture on epilepsy and antiepileptic drugs.

Winter 2017, Winter 2015, Winter 2013

Lecturer, Interdepartmental, Univ. of Manitoba, **Fundamentals of Neuroscience, IMED 7102** – 3 cr. hrs. Two lectures on synaptic plasticity and memory/LTP.

Wtr. 2019

Lecturer, Interdepartmental, Univ. of Manitoba, **Fundamentals of Neuroscience, IMED 7116** (formerly called 7100, 7102) – 6 cr. hrs. Two lectures on memory, synaptic plasticity, and LTP

Fall 2014, Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology, PHAC 7130** – 6 cr. hrs. Two lectures on drug development and clinical trials.

Wtr. 2013, Wtr. 2008

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Neuropharmacology, PHAC 7160** – 3 cr. hrs. Two lectures on: a) epilepsy/antiepileptic drugs and b) memory/dementia drugs.

Albeni

Wtr. 2009, Fall 2008, Wtr. 2008, Fall 2007, Wtr. 2007, Fall 2006

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Pharmacology, PHAC 7130** – 6 cr. hrs. Two lectures on epilepsy/antiepileptic drugs.

Wtr. 2006, Fall 2005

Instructor, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, Wpg., MB, **Recent Advances in Pharmacology, PHAC 7180** - 3 cr. hrs. Independent studies course.

Traditional Classroom – mixed student body (graduate and undergraduate)

Fall 1998, Fall 1997

Lecturer, Dept. of Anatomy & Neurobiology, Univ. of Kentucky Med. Ctr., **Principles of Neuroscience, 605** - Learning & memory/LTP lecture.

Traditional Classroom – undergraduate only

Fall 2020, Winter 2020, Fall 2019, Fall 2018, Fall 2016, Fall 2015, Fall 2014, Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009, Fall 2008

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Drugs in Human Disease, PHAC 4030** – 3 cr. hrs. Lectures on pharmacokinetics/drug metabolism and CNS drugs for epilepsy and other conditions, neurochemistry, neurodegeneration.

Winter 2020, Winter 2019, Winter 2018, Winter 2017, Winter 2015, Winter 2014, Winter 2013, Winter 2012, Winter 2011, Winter 2010, Winter 2009

Lecturer, Dept. of Pharmacology & Therapeutics, Univ. of Manitoba, **Drugs in Human Disease, PHAC 4040** – 3 cr. hrs. Two lectures on drug development and clinical trials.

Fall 1986

Teaching Assistant, Biology Dept., Sonoma State University, **Introduction to Zoology 110 – Laboratory**.

1984 -1986

Senior Tutor (part-time), Sonoma State Univ., Supervised science tutors. Workshops in algebra & GRE/MCAT, Tutored biology & math.

FULL TIME ONLINE INSTRUCTION

Mar 2018 (2 courses at same time), Jan 2018 (2 courses at same time), Nov 2017 (8 wk terms)

Instructor, DeVry Univ., **Pathopharmacology BIOS267** (undergraduate students).

July 2018, Sept. 2017 (2 courses at same time), Jan. 2017 (2 courses at same time) (8 wk terms)

Instructor, DeVry Univ., **Pharmacology & Medical Treatment 275** (undergraduate students).

July 2017 (2 courses at same time), May 2017, Mar. 2017, Nov. 2016, Sept. 2016 (2 courses at same time) (8 wk terms)

Instructor, DeVry Univ., **Fundamentals of Pathophysiology 260** (undergraduate students).

Albeni

Nov. 2017, July 2016 (3 courses at same time), May 2016 (2 courses at same time), Mar. 2016 (2 courses at same time), Jan. 2016, Sept. 2015, Spring 2015 (8 wk terms)

Instructor, DeVry Univ., **Basic Medical Terminology HIT-111** (undergraduate students).

Jan. 2016, Nov. 2015, Sept 2015, July 2015, Spring 2015, Spring 2014, Spring 2013, Spring B 2012, Fall A 2011, Spring B 2011, Fall B 2010, Fall A 2010, Fall B 2009, Spring B 2009, Fall B 2008 (8 wk terms)

Instructor, DeVry Univ., **Fundamentals of Human Anatomy and Physiology BIOS 105** (with lab-undergraduate students).

Sum B 2010, Spring B 2010, Fall B 2009, Spring B 2009 (8 wk terms)

Instructor, DeVry Univ., **Pharmacology II BIOS 290B** (undergraduate students).

Sum A 2010 (8 wk terms)

Instructor, DeVry Univ., **Pharmacology I BIOS 290A** (undergraduate students).

TRAINEES MENTORED/SUPERVISED

Postdoctoral Fellows & Research Associates – Primary Supervision

7/2020- **Don Davies, PhD.** Funded by Everett Chair.

1/2016- **Aida Adlimoghaddam, Ph.D.** Funded by my Dementia Chair & Res. Manitoba.

10/2014- **Jelena Djordjevic, Ph.D.** Funded by my Edwards Endowment, Everett Endowment Fund. & Res. Manitoba, and CIHR.

4/2013- **Wanda Snow, Ph.D.** Funded by my NSERC and Everett Endowment Fund and a MHRC award to Dr Snow.

8/2007-13 **Dali Zhang, Ph.D.** Funded by discretionary funds at St. Boniface Res. Ctr. Co-supervised with Dr Parkinson (Funded with collaborative grants, HSFC; CIHR).

6/2007-09 **Ning Ge, MD, Ph.D.**, Funded by my grant from the Scottish Rite Foundation of Canada.

9/2005-08 **Kensuke Oikawa, M.D., Ph.D.**, Funded by Oikawa's Univ. of Manitoba fellowship, MHRC, & by my start-up funding from St. Boniface Res. Foundation.

Medical Residents – Primary Supervision (laboratory research component only)

2012 **Kunjumon Vadakkan, MD**, Neurology resident, Health Sciences Ctr., Univ. of Manitoba. No salary. *Six months protected time.*

Graduate Students – Primary Supervision

1/2020- **Pranav Mishra**, PhD student – Pharmacology & Therapeutics Dept./Univ. of Manitoba. Funded by CIHR.

1/2014-16 **Chris Cadonic**, MSc student – Biomedical Engineering Program, Faculties of Medicine, Engineering, & Science, Supervisor of thesis. Funded by President's Scholarship and NSERC to Chris Cadonic. Co-supervised by Dr. Stephane Portet.

9/2009-13 **Payam Pahlvan**, MD. MSc. student-Pharmacology & Therapeutics Dept./Univ. of Manitoba. Supervisor of thesis. Funded in part by CIHR, MHRC, and St Boniface Res. Ctr. *Pathology residency training overlapped with MSc studies.*

Albensi

- 2007-09 **Solmaz Nafez**, MSc student-Pharmacology & Therapeutics Dept./Univ. of Manitoba. Supervisor of thesis. Funded in part by Scottish Rite Char. Found., MMSF, Univ. of Manitoba, MHRC, CIHR.
- 2006-11 **Kathryn A.C. Glazner** (previous name K.A. Collister), MSc student - Pharmacology & Therapeutics Dept./Univ. of Manitoba. Supervisor of thesis. Funded in part by my start up funds from St. Boniface Research Ctr. *MD studies overlapped with MSc Studies.*

Graduate Student Thesis Committees

- 2020- **Parisa Tabeshmehr**, MSc student, Dept. of Physiology and Pathophysiology. External member of thesis committee.
- 2019- **Ata Baslik**, MSc student, Program in Biomedical Engineering. External member of thesis committee.
- 2018-2020 **Yidi Wang**, MSc student – Dept. of Food and Human Nutritional Sciences/Univ. of Manitoba. Member of thesis committee.
- 2018-2019 **Zahra Abyat**, PhD student – Program in Biomedical Engineering. External member of thesis committee.
- 2016-2019 **Mohamad Reza Aghanoori**, PhD student - Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2016-2018 **Hong Zhou**, MSc student – Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2015-2021 **Shatha Alattar**, PhD Student – Dept. of Human Ecology/Univ. of Manitoba. Member of thesis committee.
- 2015-2017 **Abbas Mehrabadi**, MSc Student – Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2013-2018 **Brent Aulston**, MSc student – Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2013-2017 **Omid Ranjbar Pouya**. PhD. Student – Grad. Prog. in Biomedical Engineering. Member of thesis committee.
- 2011-2016 **Robby Zachariah**, PhD student - Biochemistry Dept./ Univ. of Manitoba. Member of thesis committee.
- 2010-2016 **Hanofi Soylu**, MD. MSc. student – Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2015 **Mari Tere Garcia Campuzano**. MSc Student – Grad. Prog. in Biomedical Engineering. Faculty of Engineering, Univ. of Manitoba. External Examiner.
- 2014 **Jessay Gopuran Devassy**, Ph.D. candidate - Human Nutritional Sci. Dept., Human Ecology Faculty, Univ. of Manitoba. External Examiner.
- 2014 **Morgan Murray**, MSc student - Human Nutritional Sci. Dept., Human Ecology Faculty, Univ. of Manitoba. External Examiner.
- 2012-14 **Tarek Habashs**, MSc. student – Dept. Pharmacology & Therapeutics/Univ. of Manitoba. Member of thesis committee.
- 2011-13 **Shoug Alashmali**, MSc. student – Human Nutritional Sci. Dept., Human Ecology Faculty, Univ. of Manitoba. Member of thesis committee.
- 2012 **Sara Omar**, MSc student. Chemistry Dept./Univ. of Manitoba. External examiner for thesis defense.

Albenzi

- 2006-11 **Jason Schapansky**, PhD student-Pharmacology & Therapeutics Dept./ Univ. of Manitoba. Member of thesis committee.
- 2010 **Brennan Eadie**, PhD student – Neuroscience. Supervised by Brian Christie at the University of British Columbia. External examiner for thesis defense.
- 2007 **Margaret Rak**, Ph.D. student-Chemistry Dept./Univ. of Manitoba. Under supervision of Dr Kathy Gough. External examiner for thesis defense.

BSc Med Program Students-Primary Supervision (medical student-summer research prog.)

- 2014 **Alyssa Verrelli**, BSc. - Thesis Committee member
- 2011-12 **Ryan Dale**, BSc. – Thesis advisor
- 2011 **Chris Hayes**, BSc.

Undergraduate Honors Thesis – Primary Supervision

- 2020 **Alana Slike**, BSc student. Biology Dept. Univ. of Winnipeg. BSc honors thesis.
- 2013-14 **Samantha Phrakonkham**, Biology Dept. Univ. Winnipeg. BSc honors thesis.
- 2006-07 **Michael Sproule**, BSc student. Biology Dept. Univ. Winnipeg. BSc honors thesis.

Undergraduate Students *some are summer term only*

- 2020 **Sandeep Mangat**, Funded by discretionary funds.
- 2020 **Luka Boticki**, Funded by discretionary funds.
- 2019 **Natasha Geddert**, Funded by CIHR.
- 2019 **Branden Paradoski**, Funded by NSERC.
- 2019 **Sarah Demare**, Funded by NSERC.
- 2019 **Alana Slike**, Funded by discretionary funds
- 2018 **Sarvesh Kumarsingh Ramlochun**, Co-supervised with Dr. Kathy Gough. Funded by discretionary funds.
- 2015 **Taylor Morriseau**, Funded by NSERC.
- 2015 **Ella Thomson**, Funded by NSERC.
- 2015 **Kevin Champagne-Jorgensen**, Funded by NSERC.
- 2014 **Ella Thomson**, Funded by NSERC.
- 2013 **Chris Cadonic**, Funded by my funds & Summer Career placement award.
- 2012 **Chris Cadonic**, Funded by Univ. Manitoba award.
- 2011 **Shannon Mohoric**, Funded by MICH studentship.
- 2009 **Rozaline Johanek**,. Funded by discretionary funds.
- 2008 **Tim Herd**, Co-supervised with Dr Derek Oliver. Univ. of Winnipeg; volunteer, funded by Summer Career Placement Award, Canada
- 2008 **Nicole Denboer**, Co-supervised with Dr. Derek Oliver. Univ. of Winnipeg; volunteer, funded by Summer Career Placement Award, Canada
- 2008 **Sunny Thind**, Univ. of Winnipeg; volunteer
- 2007 **Justin Toupin**, Co-supervised with Dr. Derek Oliver. Univ. of Manitoba; funded by Summer Career Placement Award, Canada and Thorlakson Foundation Grant.
- 2007 **Michael Sproule**, St. Boniface Res. Ctr.; funded by Summer Career Placement Award, Canada
- 2007 **Denise Grossman**, Funded by Heart & Stroke Found. of Canada Grant.

Albenesi

- 2006 **Justin Toupin**, Co-supervised with Dr. Derek Oliver. Univ. of Manitoba; funded by Summer Career Placement Award, Canada and Univ. of MB-Dept. of Elec. & Comp. Eng.
- 2006 **Jonathan Thiessen**, Co-supervised with Dr. Melanie Martin. Funded by Dr. Martin and by my discretionary funds.
- 2006 **Matthew Frankel**, St. Boniface; funded by Summer Career Placement Award, Canada.
- 2005 **Kathryn Collister**, Univ. of Manitoba; funded by Summer Career Placement Award, Canada.
- 2003 **Chiazor Igboechi**, student assisted with manuscript (Case Western Res. Univ.).
- 2002 **Erin Schmidt**, Co-supervised with Dr. Damir Janigro (Cleveland Clinic).
- 2001-2 **Gabrielle Ata**, Co-supervised with Dr. Damir Janigro (Cleveland Clinic).

High School

- 2019-2020 **Emma Monte**, science fair project.
- 2012-13 **Diana Limliman, Sharlene Mabasa**, science fair project.
- 2012-13 **Ella Thomson**, Sanofi program. Co-supervised with Dr. Paul Fernyhough - science fair project and lab work.
- 2011 **Jennifer Page**, Sanofi program - science fair project.
- 2009 **Daniel Svystonuk**, research poster.
- 2009 **Ahmed Warraich**, research poster.
- 2007 **Madeline Johaneck**, summer project.
- 2006-07 **Anna Motnenko**, Sanofi program - science fair project.

AWARDS TO TRAINEES UNDER MY SUPERVISION

- Jan. 2020 **Dept. of Pharmacology & Therapeutics Travel Award**, \$350 for Annual Canadian Assoc of Neurosci. (CAN-ACN) Mtg. Aida Adlimoghaddam, PhD, postdoctoral fellow.
- Sept 2019 **CIHR - Canadian Consortium on Neurodegeneration in Aging (CCNA) Science Day & Partners Forum Travel Award**, \$900 for CCNA meeting to present poster, Jelena Djordjevic, postdoctoral fellow.
- May 2019 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award for undergraduate work, Branden Paradoski, BSc student.
- May 2019 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award for undergraduate work, Sarah Demare, BSc student.
- Sept 2018 **CIHR - Canadian Consortium on Neurodegeneration in Aging (CCNA) Science Day & Partners Forum Travel Award**, \$900 for CCNA meeting to present poster, Aida Adlimoghaddam, postdoctoral fellow.
- Feb 2018 **CAN Travel Award**, \$750 for 12th Annual Canadian Assoc of Neurosci. (CAN) Mtg. Aida Adlimoghaddam, PhD, postdoctoral fellow.
- Dec 2017 **2018 Alzheimer's Drug Discovery Foundation (ADDF) Young Investigator Scholarship**, Aida Adlimoghaddam, postdoctoral fellow.
- Sept 2017 **CIHR - Canadian Consortium on Neurodegeneration in Aging (CCNA) Science Day & Partners Forum Travel Award**, \$800 for CCNA meeting to present poster, Aida Adlimoghaddam, postdoctoral fellow.

Albenzi

- Sept 2017 **CIHR - Canadian Consortium on Neurodegeneration in Aging (CCNA) Science Day & Partners Forum Travel Award**, \$800 for CCNA meeting to present poster, Jelena Djordjevic, postdoctoral fellow.
- June 2017 **Seahorse Travel Award**, \$500 for SFN meeting to present poster Aida Adlimoghaddam, postdoctoral fellow.
- Mar. 2017 **IBRO - CAD Travel Award**, \$500 for 11th Annual Canadian Neurosci. Mtg. Jelena Djordjevic, PhD, postdoctoral fellow.
- June 2016 **First Place Poster Competition Award** (postdoc category), \$200, Manitoba Neuroscience Network Mtg., Jelena Djordjevic, postdoctoral fellow.
- June 2016 **Second Place Poster Competition Award** (graduate student category), \$100, Manitoba Neuroscience Network Mtg., Chris Cadonic, Winnipeg.
- Feb. 2016 **Game Changer Competition, 2nd Place Finalist**, \$5,000, Jesslyn Janssen (Team Biohack), Univ. of Manitoba.
- Nov. 2015 **Game Changer Competition**, \$500, One of 5 selected (out of 77), Jesslyn Janssen, Advances to next phase, Univ. of Manitoba.
- Oct. 2015 **First Place Poster Competition Award**, \$300, BiomedCon, 1st annual biomedical engineering symposium, Chris Cadonic MSc student, Univ. of Manitoba.
- June 2015 **TD Bank Group Student Award** (supporting aboriginal students), Cash Award, Taylor Morriveau.
- May 2015 **Univ. of Manitoba Summer Undergraduate Research Award**, \$6,000, Ella Thomson – BSc student, awarded but declined.
- May 2015 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award for undergraduate work (\$6000), Ella Thomson BSc student.
- May 2015 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award for undergraduate work (\$6000), Taylor Mousseau, BSc student.
- May 2015 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award - undergraduate work (\$6000), Kevin Champagne-Jorgensen, BSc student.
- Fall 2014. **Centre on Aging/Alzheimer's Soc. Manitoba Joint Award**, (\$4000) Chris Cadonic, MSc student.
- Oct. 2014 **Univ. of Manitoba Undergraduate Poster Competition. 2nd Place**, Ella Thomson, BSc student.
- Sept. 2014 **Society for Neuroscience - Winnipeg Chapter, Postdoctoral Trainee Travel Award**, \$1500 Wanda Snow, PhD, postdoctoral fellow.
- May 2014 **Natural Sciences and Engineering Research Council (NSERC)**. Summer award for undergraduate work (\$5000), Ella Thomson BSc student.
- March 2014 **Scottish Rite Graduate Student Award**. \$1500 Achievement award for graduate work, Chris Cadonic MSc student.
- March 2014 **FGS Travel Award**. Travel to Toronto meeting to present poster, Chris Cadonic MSc student.
- Mar. 2014 **Seahorse Travel Award**, \$500 for Toronto meeting to present poster, Chris Cadonic, MSc Student.
- Nov. 2013 **Seahorse Travel Award**, \$500 for Travel to SFN meeting to present poster, Chris Cadonic, MSc student.

Albeni

- May 2013 **Canada Wide Science Fair (CWSF), 4th place winner.** Ella Thomson, 12th grade, Silver medal (\$300). Scholarships from the following: Dalhousie (\$2500), U. of British Columbia (\$2000), U. of Ottawa (\$2000), Western Univ. (\$2000)
- April 2013 **Manitoba Student Science Symposium (MSSS),** Ella Thomson – 12th grade. Gold medal - senior category, Amer Physiol Soc Award (1st place), Winnipeg Chap of Soc. for Neurosci Award (1st place, \$250), Top Biol Sci Project - Senior Category (\$300), Manitoba delegate to Canada Wide Science Fair (1 of 6 selected delegates, award -trip to Lethbridge to participate in the national competition).
- March 2013 **Univ. of Manitoba Summer Undergraduate Research Award,** \$6,000, Malaz Imam – BSc student, awarded but declined.
- March 2013 **Sanofi-Aventis BioGENEius Challenge, High School Science Fair Competition,** 1st Place & \$2000 Award, Ella Thomson - high school student.
- Jan. 2013 **Patent Filed.** Kunjumon Vadakkan, MD - neurology resident.
- Dec. 2012 **MMSF grant,** \$20,000 – for one year, Kunjumon Vadakkan, MD - neurology resident.
- Sept. 2012 **ADE & Co. Award for Excellence in Experimental Research demonstrating potential for eventual commercial application,** BSc(Med) Project – Ryan Dale, BSc - 3rd yr. Med student.
- Sept. 2012 **Book Prize Award for BSc(Med) Project,** \$200 and plaque certificate from WCSFN – Ryan Dale, BSc - 3rd yr. Med student.
- April 2012 **Univ. Manitoba Summer Undergrad. Research Award,** \$6,000, Chris Cadonic - BSc student
- 2011 **BSc Med Research Salary Award,** \$5,000 – over 1 summer, Chris Hayes, BSc. – 2nd yr Med student
- 2011-2012 **BSc Med Research Salary Award,** \$10,000 – over 2 summers, Ryan Dale, BSc. – 2nd yr Med student
- April 2011 **Manitoba Inst. of Child Health (MICH), Studentship Award,** \$5000 - Summer, Shannon Mohoric, BSc student
- May 2009 **Centre on Aging, Univ. of Manitoba, Best Poster Award,** \$50, Solmaz Nafez - MSc student
- May 2009 **Manitoba Inst. of Child Health (MICH), Travel Award,** \$1500, Solmaz Nafez - MSc student.
- July 2008 **Univ. of Manitoba Faculty Grad. Studies Travel Award,** \$500, Solmaz Nafez, MSc student.
- July 2008 **CIHR Canadian Graduate Student Award,** \$17,500, Solmaz Nafez, MSc student.
- June 2008 **Clive Greenway Award,** \$300 cash award, Solmaz Nafez, MSc student.
- J2008 **CareerFocus,** \$1,680, Government Canada, Job Placement Award Subsidy, Denise Grossman – lab technician.
- April 2008 **Alzheimer's Soc. & Ctr. Aging, Univ. Manitoba,** \$3,000, Solmaz Nafez, MSc student.
- April 2008 **St. Boniface Diocesan High School Science Fair Competition,** Gold Medal (grade 9), and Best in Category (Life Science – 9-12 grades), Rachel Albeni, high school student.

Albeni

- April 2008 **Scottish Rite Charitable Found. Canada, Bursary**, \$2,000, Solmaz Nafez, MSc student.
- April 2008 **University of Manitoba Graduate Fellowship**, \$12,000, Solmaz Nafez, MSc student
- March 2008 **Dr. Mark Nickerson Graduate Entrance Studentship in Pharmacology & Therapeutics**, \$8,000, Solmaz Nafez, MSc student
- March 2008 **Manitoba Health Research Council, Travel Award**, \$1,500, Dr. Kensuke Oikawa, MD, PhD, postdoctoral fellow.
- Jan. 2008 **Student Bursary**, University of Manitoba, \$400, Solmaz Nafez, MSc student
- May 2007 **Heart & Stroke Foundation of Manitoba, Summer Studentship Award**, \$4,000, Denise Grossman, BSc student - Red River College.
- May 2007 **Scottish Rite Charitable Foundation of Canada, Student Bursary**, \$2,000, Kathryn Collister, MD/MSc student.
- April 2007 **Manitoba Student Science Symposium (MSSS), High School Science Fair Competition**, 2nd Place & \$150 Award, Anna Motnenko, high school student.
- April 2007 **Sanofi-Aventis Biotechnology Challenge, High School Science Fair Competition**, 2nd Place & \$1500 Award, Anna Motnenko, high school student.
- Nov. 2006 **Univ. of Manitoba Alumni Assoc. Travel Award**, \$175 - Kathryn Collister, MD/MSc student.
- Sept. 2006 **NSERC poster competition**, 2nd Place Award, Jonathan Thiessen, BSc student.
- August 2006 **Society for Neuroscience Postdoctoral Trainee Travel Award**, \$1,000, - Dr. Kensuke Oikawa, MD, PhD, postdoctoral fellow.
- July 2006 **Univ. of Manitoba Student Union Travel Award**, \$275 - Kathryn Collister, MSc student.
- June 2006 **Univ. of Manitoba Faculty of Graduate Studies Travel Award**, \$500 - Kathryn Collister, MSc student.
- June 2006 **Canadian Student Health Research Forum, Honorable Mention** on poster - Kathryn Collister, MSc student.
- June 2006 **Society for Neuroscience Winnipeg Chapter, Postdoctoral Trainee Travel Nominee** – Kensuke Oikawa, MD, PhD, postdoctoral fellow.
- May 2006 **Savoy Foundation studentship**, \$12,000, Kathryn Collister, MSc student. Awarded but declined.
- April 2006 **Alzheimer's Society of Manitoba Graduate Fellowship**, \$3,000, Kathryn Collister, MSc student.

PROFESSIONAL DEVELOPMENT

WORKSHOPS/GENERAL TRAINING/LEADERSHIP TRAINING

- 2013-14 Leadership training - series of several workshops funded by the Alzheimer's Soc. of Manitoba for members of the Board of Directors. Rogers Leadership Consulting, Wpg., MB
- 2012-13 *LEADS in a Caring Environment Framework*; Twelve session leadership training program over 5 months, George and Fay Yee Centre for Healthcare Innovation, Faculty of Medicine, Wpg., MB
- 2012 Cognitive Enhancers: 22nd Neuropharmacology Conference. Society for Neuroscience Satellite Symposium, New Orleans, LA
- 2007 The NEURON Simulation Environment, NEURON Summer Course (5 days), Institute of Neural Computation, Univ. of California at San Diego
- 2006 Visualizing Large-Scale Patterns of Activity in the Brain: Optical and Electrical Signals, Society for Neuroscience, Atlanta, GA
- 1996 Basics of Molecular Biology for Neurobiologists, Society for Neuroscience Meeting, Washington, DC
- 1994 Mapping & Modeling the Brain, American Association for the Advancement of Science Meeting, San Francisco, CA
- 1993 Basic Magnetic Resonance Spectroscopy, Society for Magnetic Resonance Meeting, New York, NY
- 1993 Advanced Magnetic Resonance Spectroscopy, Society for Magnetic Resonance Meeting, New York, NY
- 1993 Calcium Channels & Signaling, Society for Neuroscience Meeting - Satellite Symp., Washington, DC
- 1993 New Views in Cognition, Society for Neuroscience Meeting, Washington, DC

CLINICAL TRIALS & DRUG DEVELOPMENT TRAINING

- 2020 Foundations of Health Equity Research. Johns Hopkins University Bloomberg School of Public Health – Instructors Drs. Lisa Cooper and Tanjala Purnell - – Coursera online 5 week course.
- 2012 Vaccine Trials: Methods and Best Practices. Johns Hopkins University Bloomberg School of Public Health – Instructor Karen Charon, BSN – Coursera online 7 week course.
- 1999-01 Clinical Research Training Classes (31 short format classes listed below, taken internally at Pfizer, *formerly Parke-Davis/Warner-Lambert*), Ann Arbor, MI
Class/Instructor
- Documentum, Instr. J. Chung
 - Selecting & Choosing a CRO, Instr. C. Norton
 - Contracting with a Preferred Central Lab, Instr. J. Dannemiller
 - ECG Interpretation, Instr. K. Massey
 - Good Clinical Practice Worldwide, Instr. E. Jensen
 - Grants and Budgets, Instr. D. McNaughton
 - Monitoring a Drug Study 1-Study Site Monitoring, Instr. T. Griffin
 - Monitoring a Drug Study 2-Data Flow/Queries, Instr. C. Anderson
 - Monitoring a Drug Study 3-Site Close-Out Visit, Instr. T. Griffin

Albeni

- Hepatic and Biliary Systems, Instr. K. Massey
- Phase 1 Studies: From Animals to Humans, Instr. A. Sedman
- Clinical Research Overview, Instrs. Staff
- Writing Research Reports (8 class series), Instrs. Clin. Comm. Staff
- Investigator's Brochure, Instr. B. Berghoff
- Lab Data Interp.: Renal System, Fluid, & Electrolytes, Instrs. Lebel, Flack
- CRF Development Workshop, Instrs. J. Gilbert, B. Smith
- Enhancing Organization Collab., Commun., & Performance, Instr Orion Staff
- Introduction to Integrated Protocol Modules (IPMs), Instr. D. Sachs
- Choosing and Using IPMs, Instr. D. Sachs
- Protocol Design Workshop, Instrs., M. Pierce & T. Venable
- Reporting Adverse Events 1-Clinical Safety, Instr. S. Xue
- Reporting Adverse Events 2 -Clinical Safety, Instr. S. Xue
- Developing IPMs, Instr. D. Sachs
- Pharmacokinetics, Dynamics, & Metabolism Short Course, Instrs. PDM Staff
- FDA Sponsor-Monitor Inspections of Clinical Research, Instr. P. Mickevicius
- IND annual reports, Instr. D. Scott
- Patient Narrative Writing, Instrs. Alexander
- Computer System Validation Master Plan, Instr. Wahlberg
- Teambuilding, Instr. M. Delongchamp
- Basics of Outcomes Research, Instrs. OR staff
- New Drug Applications (NDAs), Instr. M. Wolf

COMPUTER & ELECTRONICS TRAINING

Classes in C/C++, UNIX, BASIC, FORTRAN, NEURON, AutoCAD, SPSS, Documentum, & Computer Graphics (used BASIC). **Knowledge** of UNIX, DOS, Windows, & Mac OSs and SUN, SGI, & IBM PC workstations. **Experience** with CANVAS (online), eCollege, Blackboard, WinNonlin, MS Office, Lotus 123, XV, NIH-Image, Visual Basic, SMIS, FrameMaker, AutoCAD, PowerPoint, Matlab, Origin, ParaVision, SPSS, Prism, WinTrack, Voxel View, AXOSCOPE, Axon pClamp, NEURON, LabVIEW, BioCell, WinWCP, CorelDRAW, & Minitab programs. **Built or Designed:** AC power supplies; infrared sensing devices; basic radios; RF coils for MRI and MRS scanning, function generator.

SUMMER BIOLOGICAL STATION ATTENDANCE/TRAINING

1979 University of Montana's Biological Station (2 classes taken), Flathead Lake, MT
1) Animal behavior field class; 2) Mammology independent study

PROFESSIONAL SOCIETY MEMBERSHIPS [current (indicated by dash) & past]

2020- American Neurological Association (ANA)
2018 Medical Affairs Professionals Society (MAPS)
2017 Society for Clinical Research Associates (SCORA)

Albenzi

2016	National Council of University Research Administrators (NCURA)
2015-	American Medical Writers Association (AMWA)
2014	The New York Academy of Sciences
2014	Strategic and Competitive Intelligence Professionals (SCIP)
2005	Canadian Society of Pharmacology and Therapeutics (CSPT)
2013	International Behavioral Neuroscience Society (IBNS)
2009	Association of Clinical Research Professionals (ACRP)
2006	American Society for Pharmacology & Experimental Therapeutics (ASPET)
2006	Canadian Association for Neuroscience (CAN)
2006-	Winnipeg Chapter of the Soc. for Neuroscience
2003	Institute of Electrical & Electronics Engineers (IEEE) Computer Society
2003	American Physiological Society
1998	American Society for Neurochemistry
1997	American Epilepsy Society (AES)
1995	Brain Injury Association
1994	International Neural Network Society
1994	International Society for Magnetic Resonance in Medicine (ISMRM)
1991	International Brain Research Organization (IBRO)
1991-	American Association for the Advancement of Science (AAAS)
1989-	Society for Neuroscience (SFN) and ISTAART

BIOGRAPHICAL LISTINGS

2020	37 th Edition - Who's Who in the World
2019	36 th Edition - Who's Who in the World
2018	Albert Nelson Marquis Lifetime Achievement Award
2017	Albert Nelson Marquis Lifetime Achievement Award
2016	33 rd Edition - Who's Who in the World
2015	32 nd Edition - Who's Who in the World
2014	31 st Edition - Who's Who in the World
2013	30 th Edition - Who's Who in the World
2011-12	8 th Edition - Who's Who in Medicine and Healthcare
2009-10	7 th Edition - Who's Who in Medicine and Healthcare
2008	26 th Edition - Who's Who in the World
2007	25 th Edition - Who's Who in the World
2008	10 th Edition - Who's Who in Science and Engineering
2008	62 nd Edition - Who's Who in America
2007	9 th Edition - Who's Who in Science and Engineering
2004	22 nd Edition - Who's Who in the World
2004	8 th Edition - Who's Who in Science and Engineering
2003	58 th Edition - Who's Who in America
2003	21 st Edition - Who's Who in the World
2002	20 th Edition - Who's Who in the World
2002	57 th Edition - Who's Who in America
2001	19 th Edition - Who's Who in the World
2000	3 rd Edition - Who's Who in Medicine and Healthcare

Albensi

1999 17th Edition - Who's Who in the World
1996 51st Edition - Who's Who in America
1996 3rd Edition - Who's Who in Science and Engineering