

CURRICULUM VITAE

John Janez Miklavcic
Assistant Professor of Nutritional Pharmacology
Schmid College of Science and Technology; and
School of Pharmacy
Chapman University
255 Keck Center
Orange CA 92866

miklavcic@chapman.edu
Work phone: +1 (714) 516-5520

PRESENT APPOINTMENT

2018 – present Assistant Professor of Nutritional Pharmacology, Chapman University
Jointly appointed to Schmid College of Science and Technology and School of
Pharmacy. Run interdisciplinary health research program which translates proof-of-
concept study into clinical application. Teach undergraduate and graduate classes in
nutrition, food science, biochemistry, and pharmacology.

EDUCATION

- 2014 PhD Nutrition and Metabolism
University of Alberta
Thesis title: Altered ganglioside metabolism in inflammatory bowel disease and the
impact of dietary ganglioside intake.
Supervisors: LJ McCargar, MT Clandinin.
- 2009 MSc Nutrition and Metabolism
University of Alberta
Thesis title: Ganglioside increases metastatic potential and susceptibility of prostate
cancer to gene therapy *in vitro*.
Supervisors: MT Clandinin, VC Mazurak.
- 2007 BSc (Hons) Nutritional and Nutraceutical Sciences
University of Guelph
Graduated with Distinction and Honors. Completed with minor in Statistics. Achieved
Dean's Honor List in each year of program.

POST DOCTORAL EXPERIENCE

- 2017 – 2018 Post Doctoral Researcher, University of Arkansas for Medical Sciences
At Arkansas Children's Nutrition Center I investigated the role of diet in neonatal gut
health & development and immune function with a specific focus on the microbiome
and xeno-metabolome. Operate autonomously and collaboratively with investigators in
study design, grant submission, and manuscript preparation.
- 2015 – 2017 Research Coordinator, University of Alberta - Faculty of Nursing
Co-ordinate observational & cross-sectional studies as well as human clinical
interventions investigating type II diabetes in aging population. Prepare grant and
manuscript submissions, facilitate knowledge translation and research dissemination
activities.

2014 – 2015 Research Associate, BioLipids Therapeutics
Conducted activities for commercialization of GI-RIGHT™ functional food for infant health, intestinal function and use in companion animals.

OTHER ACADEMIC EXPERIENCE

2009 – 2011 Research Assistant, University of Alberta – Alberta Institute for Human Nutrition
Co-ordinated human clinical research studies in patients with inflammatory bowel disease, children with AD/HD, and infants. Compiled grant application for Canadian Institutes of Health Research (funded for 3 years, \$398,616).

PUBLICATIONS

1. “Optimizing Licensed Practical Nurses in Home Care: Their Role, Scope and Opportunities.” Punjani N, Younus S, **Miklavcic JJ**, Joseph S, Nickoriuk K, Gubersky J, Lartey S, Labonte S, Fraser KD. *Nursing Leadership*. 2019; 32 (1): 42-59. DOI: 10.12927/cjnl.2019.25849.
2. “Human breast milk feeding enhances the humoral and cell mediated immune response in a neonatal porcine model.” **Miklavcic JJ**, Badger TM, Bowlin AK, Matazel KS, Cleves MA, Leroith T, Saraf MK, Chintapalli SV, Piccolo BD, Shankar K, Yeruva L. *The Journal of Nutrition*. 2018; 148 (11): 1860-70. DOI: 10.1093/jn/nxy170.
3. “Community program improves quality of life and self-management in older adults with diabetes and multimorbidity.” Markle-Reid M, Ploeg J, Fraser K, Fisher K, Bartholomew A, **Miklavcic JJ**, Gafni A, Thabane L, Upshur R. *Journal of the American Geriatrics Society*. 2018; 66 (2): 263-273. DOI: 10.1111/jgs.15173.
4. “Fish oil mitigates myosteatorsis and improves chemotherapy efficacy in a preclinical model of colon cancer.” Almasud AA, Giles KH, **Miklavcic JJ**, Baracos VE, Putman CT, Martins KJB, Mazurak VC. *PLoS One*. 2017; 12 (8): e0183576. DOI: 10.1371/journal.pone.0183576.
5. “Reduction of arachidonate in phospholipids is associated with increase in B cell activation marker in infants: a randomized trial.” **Miklavcic JJ**, Larsen BMK, Mazurak VC, Scalabrin DMF, MacDonald IM, Shoemaker GK, Casey L, VanAerde J, Clandinin MT. *Journal of Pediatric Gastroenterology and Nutrition*. 2017; 64 (3): 446-453. DOI: 10.1097/MPG.0000000000001283.
6. “The Aging, Community and Health Research Unit – Community Partnership Program for Older Adults with Type 2 Diabetes and Multiple Chronic Conditions and their Family Caregivers: Study protocol for a Randomized Controlled Trial.” Markle-Reid M, Ploeg J, Fraser K, Fisher K, Akhtar-Danesh N, Bartholomew A, Gafni A, Gruneir A, Kaasalainen S, Stradiotto C, **Miklavcic JJ**, Rojas-Fernandez C, Sadowski CA, Thabane L, Triscott J, Hirst S, Upshur R. *Trials*. 2017; 18 (1): 55. DOI: 10.1186/s13063-017-1795-9.
7. “Data for Improvement and Clinical Excellence: Report of an interrupted time series trial of feedback in home care.” Fraser KD, Sales AE, Baylon MAB, Schalm C, **Miklavcic JJ**. 2017; 12 (1): 66. *Implementation Science*. DOI: 10.1186/s13012-017-0600-1.
8. “Personhood status of the human embryo, zygote, foetus.” **Miklavcic JJ**, Flaman P. *The Linacre Quarterly*. 2017; 82 (2): 130-144. DOI: 10.1080/00243639.2017.1299896.
9. “Ganglioside intake increases plasma ganglioside content in human participants.” **Miklavcic JJ**, Shoemaker GK, Schnabl KL, Larsen BMK, Thomson ABR, Mazurak VC, Clandinin MT. *Journal of Parenteral and Enteral Nutrition*. 2017; 41 (4): 657-666. DOI: 10.1177/0148607115620093.
10. “Increased catabolism and decreased unsaturation of ganglioside in patients with inflammatory bowel disease.” **Miklavcic JJ**, Hart T, Lees GM, Shoemaker GK, Schnabl KL, Larsen BMK, Bathe OF, Thomson ABR, Mazurak VC, Clandinin MT. *World Journal of Gastroenterology*. 2015; 21 (35): 10080-90. DOI: 10.3748/wjg.v21.i35.10080.
11. “Dietary ganglioside reduces proinflammatory signaling in the intestine.” **Miklavcic JJ**, Schnabl KL, Mazurak VC, Thomson ABR, Clandinin MT. *Journal of Nutrition and Metabolism*. 2012. DOI: 10.1155/2012/280286.

Manuscripts Under Review

1. "Assessing the Effectiveness of a Community Program for Older Adults with Type 2 Diabetes and Multimorbidity." **Miklavcic JJ**, Fraser KD, Markle-Reid M, Ploeg J, Fisher K, Bartholomew A. BMC Geriatrics.
2. "Insights into Novel Infant Milk Formula Bioactives." Chou C, Skolnick J, **Miklavcic JJ**. Nutrition and Dietary Supplements.

Under Revision

1. "Profiling unregulated care providers in continuing care in Alberta: Who are they and what is their education and background preparation for the role?" Fraser KD, Hyde A, **Miklavcic JJ**, Maisey SM. Policy, Politics, & Nursing Practice.

Manuscripts In Progress (2019)

1. "Isolation and Characterization of Extracellular Vesicles in Human Milk." Bickmore DC, Barsoum M, **Miklavcic JJ**. Frontiers in Immunology.
2. "Using folic acid and TPMT genotype to mitigate azathioprine toxicity in children with IBD." Paterson N, Roosan M, Grant K, **Miklavcic JJ**. Current Developments in Nutrition.
3. "Contextualizing the Effectiveness of a Community Program for Older Adults with Type 2 Diabetes and Multimorbidity in 2 Canadian Provinces using the RE-AIM Framework." **Miklavcic JJ**, Fraser KD, Markle-Reid M, Ploeg J, Bartholomew A, Fisher K. Implementation Science.
4. "Ganglioside Enhances ApoB48 Secretion from Caco-2 Cells." **Miklavcic JJ**, Li Q, Shoemaker GK, Thomson ABR, Mazurak VC, Clandinin MT. J Biol Chem.

Patents

1. "Use of Ganglioside to Decrease Propagation of Malignant Prostate Cells." Clandinin MT, **Miklavcic JJ**, Mazurak VC. 2011. US Patent 13/250,167; Canada Patent 2,716,264.

Theses

1. "Altered ganglioside metabolism in inflammatory bowel disease and the impact of dietary ganglioside intake." **Miklavcic JJ**. 2014. PhD thesis in University of Alberta Libraries Education & Research Archive.
2. "Ganglioside Increases Metastatic Potential and Susceptibility of Prostate Cancer to Gene Therapy *in vitro*." **Miklavcic JJ**. 2009. Master's thesis in University of Alberta Libraries Education & Research Archive.

ABSTRACTS

Invited Oral Presentations (presenting author **bolded**)

1. "Increase in plasma ganglioside content is associated with improved quality of life in inflammatory bowel disease." **Miklavcic JJ**, Shoemaker GK, Schnabl KL, Thomson ABR, Mazurak VC, Clandinin MT. 2019. AOCs Annual Meeting & Expo, St. Louis MO.
2. "ACHRU Community Program Improves Quality of Life and Self-Management in Older Adults with Comorbidity." **Ploeg J**, Markle-Reid M, Fraser K, Fisher K, Bartholomew A, Griffith L, Miklavcic JJ, Gafni A, Thabane L, Upshur R. 2018. Building on Excellence: Accelerating the Impact of Cross-Jurisdictional Primary Health Care Research in Canada, Montreal, Canada.
3. "Optimizing LPN Activity in Home Care: Role, Scope and Opportunities." **Fraser KD**, Miklavcic JJ, Punjani N, Wilkie B, Younus S. 2018. CLPNA AGM & Conference, Edmonton, Canada.
4. "The Aging, Community and Health Research Unit - Community partnership program for diabetes improves quality of life in older adults with multimorbidity: a pragmatic randomized controlled trial in Ontario." **Markle-Reid M**, Ploeg J, Fraser KD, Fisher K, Bartholomew A,

- Akhtar-Danesh N, Gafni A, Gruneir A, Hirst S, Kaasalainen S, Stradiotto CK, Miklavcic JJ, Rojas-Fernandez C, Sadowski C, Thabane L, Triscott J, Upshur R. 2016. HQO, Toronto, Canada.
5. "Arachidonyl species of phospholipid are affected by FADS genotype and dietary arachidonic acid intake altering B cell activation markers in infants." **Miklavcic JJ**, Larsen BMK, Mazurak VC, Scalabrin DMF, MacDonald I, Shoemaker GK, Casey L, VanAerde J, Clandinin MT. 2015. ESPGHAN, Amsterdam, Netherlands.
 6. "Ganglioside increases infectivity of PC-3 prostate cancer cells to adenovirus *in vitro*." **Miklavcic JJ**, Hitt, MM, Mazurak VC, Clandinin MT. 2012. ISSFAL Congress, Vancouver BC.
 7. "Influence of dietary gangliosides on prostate cancer biomarkers." **Miklavcic JJ**, Hitt MM, Mazurak VC, Clandinin MT. 2009. AOCs Annual Meeting & Expo, Orlando FL.

Poster Presentations (presenting author **bolded**)

1. "Elucidating the relation between human milk fatty acids and infant health outcomes in the first year of life." **Bickmore DC**, Miklavcic JJ. 2019. Seventh Orange County Women's Health Summit. Irvine CA.
2. "Insights into the human milk food matrix: isolation and characterization of extracellular vesicles." **Miklavcic JJ**, Bickmore DC, Barsoum M. 2019. The Origins and Benefits of Biologically Active Components in Human Milk. West Palm Beach FL.
3. "Characterization of fecal microbiota in infants aged six and 12 months consuming breast milk or infant formula." Miklavcic JJ, Piccolo BD, Bowlin AK, Chintapalli SV, Shankar K, Badger TM, Andres A, **Yeruva L**. 2018. ASN, Boston MA.
4. "Persistent effects of pre-weaning in piglets on composition of fecal microbiota are diet-, genus-, and time-specific." **Miklavcic JJ**, Piccolo BD, Bowlin AK, Chintapalli SV, Shankar K, Yeruva L. 2018. Keystone Symposia Conference: Manipulation of the Gut Microbiota for Metabolic Health, Banff, Canada.
5. "A novel human breast milk-fed piglet model to examine persistent effects of neonatal diet on duodenal microbiota composition." **Miklavcic JJ**, Piccolo BD, Bowlin AK, Chintapalli SV, Shankar K, Yeruva L. 2018. Keystone Symposia Conference: Manipulation of the Gut Microbiota for Metabolic Health, Banff, Canada.
6. "Increase in plasma phospholipid DHA ameliorates inattention in paediatric AD/HD." **Miklavcic JJ**, Ivity E, Rinaldi C, Mazurak VC, Clandinin MT. 2017. CNS, Montreal, Canada.
7. "Community program improves quality of life and self-management in older adults with diabetes and multimorbidity." **Markle-Reid M**, Ploeg J, Fraser KD, Fisher K, Griffith L, Bartholomew A, Miklavcic JJ, Gafni A, Thabane L, Upshur R. 2017. CAHSPR, Toronto, Canada.
8. "IBD intestine is characterized by gangliosides with fewer unsaturated bonds." **Miklavcic JJ**, Hart T, Lees GM, Schnabl KL, Thomson ABR, Mazurak VC, Clandinin MT. 2014. ISSFAL Congress, Stockholm, Sweden.
9. "The influence of ARA intake and FADS SNPs on ARA and DHA level in infant plasma." **Miklavcic JJ**, Larsen BMK, Mazurak VC, Scalabrin DMF, MacDonald IM, Shoemaker GK, Casey L, VanAerde J, Clandinin. 2014. ISSFAL Congress, Stockholm, Sweden.
10. "Inflammatory bowel disease is a disorder of ganglioside metabolism." **Miklavcic JJ**, Hart T, Lees GM, Schnabl KL, Thomson ABR, Mazurak VC, Clandinin MT. 2014. Experimental Biology, San Diego CA.
11. "Dietary ganglioside consumption increases monounsaturated gangliosides GM3 and GD3 in human plasma." **Miklavcic JJ**, Brett NR, Shoemaker GK, Thomson ABR, Mazurak VC, Clandinin MT. 2013. ESPGHAN Annual Meeting, London, UK.
12. "Monounsaturated C40 GM3 and C34 GM3 constitute the most abundant gangliosides in bowel from Crohn's disease." **Miklavcic JJ**, Brett NR, Shoemaker GK, Lees GM, Thomson ABR, Mazurak VC, Clandinin MT. 2013. ESPGHAN Annual Meeting, London, UK.
13. "Detailed characterization of gangliosides in prostate cells using LC/MS." **Miklavcic JJ**, Shoemaker GK, Bureyko T, Polakowski R, Mazurak VC, Clandinin MT. 2012. ISSFAL Congress, Vancouver, Canada.

14. "Influence of dietary ganglioside on prostate cancer biomarkers." **Miklavcic JJ**, Hitt MM, Mazurak VC, Clandinin MT. 2009. Genitourinary Cancers Symposium, Orlando FL.
15. "Effects of lycopene, vitamin E and fish oil on growth and integrin expression of prostate cancer *in vitro*." **Miklavcic JJ**, Bureyko T, Hurdle H, Clandinin MT, Metcalfe JB, Mazurak VC. 2008. Alberta Milk Symposium, Edmonton, Canada.

FUNDING

Current Support

- 07/2019 – 06/2021 CHOC Pediatric Susceptibility Faculty Investigator Award (**\$41,040 USD**). Dietary ganglioside improves disease activity index in pediatric IBD. Principal Applicant: Michael Wang. **My role:** Co-Principal Investigator.
- 09/2019 – 09/2020 Chapman University Grant Writers' Award. (**\$5,000 USD**). Dietary ganglioside improves intestinal integrity in pediatric inflammatory bowel disease. **My role:** Principal Investigator.
- 06/2019 – 06/2020 SCIFTS Research/Education Grant (**\$21,965 USD**). NanoSight NS300 and NTA Software Package to Characterize Extracellular Vesicles in Dairy Products. Principal Applicant: John Miklavcic. **My role:** Project Director.
- 06/2019 – 05/2020 Chapman University Faculty Opportunity Fund. (**\$15,000 USD**). Provision of dietary ganglioside enriches the content and composition of ganglioside in extracellular vesicles originating from intestinal and prostate epithelial cells. **My role:** Principal Investigator.

Previous Support

- 06/2015 – 09/2019 Canadian Institutes of Health Research (**\$1,749,817 CAD**). Integrating Quality of Life Assessments into Home Care for Older Adults with Chronic Life-limiting Illnesses. Principal Investigator: Richard Sawatzky. **My role:** Provided input to study design and critical revision to grant proposal. This grant may, in part, fund my salary and in accordance with regulation, I was not included as an investigator or knowledge user on the application.
- 02/2017 – 02/2018 Alberta Innovates Health Solutions (**\$24,994 CAD**). Optimizing Licensed Practical Nurse Activity in Home Care: Role, Scope, and Opportunities (201600491). Principal Investigator: Kim D. Fraser. **My role:** Contributed to study design, compiled literature review, obtained ethics approval and provided critical revisions to grant proposal. This grant may, in part, fund my salary and in accordance with regulation, I was not included as an investigator or knowledge user on the application.
- 05/2011 – 04/2014 Canadian Institutes of Health Research (**\$398,616 CAD**). Absorption of Ganglioside Reduces Proinflammatory Signaling in the Intestine. Principal Investigator: M. Tom Clandinin. **My role:** Contributed to study design, compiled literature review, obtained ethics approval and clinical trial registration. This grant funded my stipend as a Ph.D. student and in accordance with regulation, I was not included as an investigator or knowledge user on the application.

Pending Support

- 12/2019 – 12/2021 USDA Food and Human Health Strengthening Grant (**\$199,884 USD**). The effect of processing on bovine milk EVs and associated impact on human

gastrointestinal health. Principal Applicant: John Miklavcic. **My role:** Project Director.

Student Grants

- 06/2019 – 12/2019 Chapman University Undergraduate Scholarly/Creative Grant (**\$1,000 USD**). Folate supplementation mitigates azathioprine toxicity in children with inflammatory bowel disease. Principal Applicant: Natalie Paterson. **My role:** Principal Investigator. Provided guidance to undergraduate student whom wrote and obtained the award.
- 01/2019 – 04/2019 Chapman University Undergraduate Scholarly/Creative Grant (**\$1,000 USD**). Proposed Mechanism by which Saccharomyces Cerevisiae induces inflammation in Inflammatory Bowel Disease and Mitigation of Disease Processes by Dietary Ganglioside. Principal Applicant: Jordan Skolnick. **My role:** Principal Investigator. Provided guidance to undergraduate student whom wrote and obtained the award.

Awards

2019

Health and Nutrition Division New Investigator Award (**\$1,000 USD**), AOCS
Mentor Award for Summer Undergraduate Research Fellow (**\$1,000 USD**), Chapman University
SCST Faculty Travel and Development Award (**\$6,000 USD**), Chapman University

2017

Human Resource Development Fund (**\$750 CAD**), University of Alberta

2014

Science & Technology Award Europe (**\$5,000 CAD**), DSM Nutrition
Profiling Alberta's Graduate Students Award (PhD) (**\$1,000 CAD**), Alberta Government
ASBMB Travel Award (**\$1,000 USD**), American Society for Biochemistry and Molecular
Biology

Sept 2013 – Apr 2014

Queen Elizabeth II Doctoral Scholarship (**\$15,000 CAD**), University of Alberta

Sept 2012 – Apr 2013

Queen Elizabeth II Doctoral Scholarship (**\$15,000 CAD**), University of Alberta

2012

3-minute thesis competition runner-up award, ISSFAL Congress
Accelerate Internship Program Awardee (**\$15,000 CAD**), MITACS

2011

AFNS Graduate Tuition Scholarship (**\$2,000 CAD**), University of Alberta
AFNS PhD Scholarship (**\$5,000 CAD**), University of Alberta

2009

Health and Nutrition Division Student Excellence Award (**\$500 USD**), AOCS
Alberta Minister of Advanced Education and Technology Award (**\$3,000 CAD**), Government of
Alberta
GSA Professional Development Grant (**\$500 CAD**), University of Alberta
AFNS Graduate Student Travel Award (MSc level) (**\$500 CAD**), University of Alberta
Profiling Alberta's Graduate Students Award (MSc level) (**\$600 CAD**), Alberta Government

Sept 2008 – Apr 2009

FGSR Queen Elizabeth II Master's Scholarship (**\$10,800 CAD**), University of Alberta

2007

FGSR Tuition Scholarship (**\$2,000 CAD**), University of Alberta

2003

Entrance Scholarship (**\$1,000 CAD**), University of Guelph

KNOWLEDGE TRANSLATION

Education for Clinicians

1. “Knowledge Café on Case Manager Work and Workload and its Relation to Quality Home Care for Clients and Families.” 2016. Alberta Health Services report.
Composed a day of best practice guidelines and evidence-based practice for policy & decision makers in home care and over 50 Case Managers including Registered Nurses, Licensed Practical Nurses, and Occupational & Physical Therapists. <https://d1pbog36rugm0t.cloudfront.net/-/media/nursing/about/docs/synopsis.pdf>

Publications (without peer review)

1. “Simplifying the complex world of carbs.” Miklavcic JJ. 2011. Sweat Rx. 1(2).
2. “In depth omegas: the skinny on good fats.” Miklavcic JJ. 2011. Sweat Rx. 1(1).

Interviews

1. “A Gut Reaction That’s Creating Opportunities.” MITACS. March 2, 2016.
<https://www.mitacs.ca/en/newsroom/success-story/gut-reaction-thats-creating-opportunities>
2. “Ganglioside for Irritable Bowel Disease and Resistant Diarrhea.” Decoded Science. April 13, 2012. <http://www.decodedscience.com/therapeutic-value-of-ganglioside-for-irritable-bowel-disease-and-antibiotic-resistant-diarrhea/12303>

Public Engagement

1. “Science Riot: Stand-Up for Science.” Jan- Feb, 2018. Two performances of stand-up comedy on scientific topics at Museum of Discovery in Little Rock, AR.

Invited Talks

1. “Community program to support Type II Diabetes and multiple chronic conditions in older adults.” Miklavcic JJ. 2017. Diabetes Canada Spring Thaw, Edmonton, Canada.
2. “Polyunsaturated ganglioside catabolism is elevated in IBD: importance of dietary ganglioside intake.” Miklavcic JJ. 2014. ISSFAL Congress, Stockholm, Sweden
3. “Use of ganglioside to reduce activity of inflammatory bowel disease.” Miklavcic JJ. 2012. ISSFAL Congress, Vancouver, Canada.

SUPERVISION

Graduate

- Student: Diana Bickmore. Degree: Master of Food Science. Project title: Lipid composition of human breast milk extracellular vesicles. Expected completion: Fall 2020.

Undergraduate

2019

- Student: Jordan Jernigan. Degree: BS Biochemistry. Project title: Ganglioside composition of extracellular vesicles derived from human intestinal cells.
- Student: Preetha Raj. Degree: BS Health Sciences. Project title: Panther Athlete Nutrition Project.
- Student: Natalie Paterson. Degree: BS Biochemistry. Project title: Using folic acid and TPMT genotype to mitigate azathioprine toxicity in children with IBD.
- Student: Jordan Skolnick. Degree: BS Kinesiology. Project title: Effect of *Saccharomyces Cerevisiae* on human intestinal cell inflammation.
- Student: Claire Chou. Degree: BS Health Science. Project title: Infant formula review.

- Student: Elena Dennis. Degree: BS Health Science. Project title: Nutrition Internship.

Other (2012 – 2017)

- Supervised Honors projects of 2 undergraduate medical laboratory science students, 1 undergraduate human nutrition research student and 1 undergraduate nursing student at University of Alberta, Faculty of Medicine and Alberta Institute for Human Nutrition.

EXAMINATIONS

Thesis Defence

2019

1. Student: Rachel Isaacs. Degree: Master of Food Science. Project title: RT-PCR in combination with mini barcode sequencing to detect fish fraud.

Thesis Proposal Defence

2019

1. Student: Diana Bickmore. Degree: Master of Food Science. Project title: Lipid composition of human breast milk extracellular vesicles.
2. Student: Olive Dahm. Degree: Master of Food Science. Project title: Use of molecular methods to verify animal species and the presence of liver in dietary supplements.

2018

3. Student: Rachel Isaacs. Degree: Master of Food Science. Project title: Use of multi-mode hyperspectral imaging technology for the rapid authentication of fish species.

Comprehensive Exam

2019

1. Student: Alyssa Hardy. Degree: Master of Food Science.
2. Student: Lu Suyun. Degree: Master of Food Science.
3. Student: Michael Hajdu. Degree: Master of Food Science.
4. Student: Austin Ly. Degree: Master of Food Science.
5. Student: Priscilla George. Degree: Master of Food Science.

TEACHING

2020

Chapman University [tentative]

- One (1) semester of Advanced Nutrition (FSN 303) for undergraduate students completing a Nutrition minor
- One (1) semester of Biochemistry II (BCHM 336) for undergraduate students completing a Biochemistry major

2019

Chapman University

- Two (2) semesters of Advanced Nutrition (FSN 303) for undergraduate students completing a Nutrition minor
- One (1) semester of Nutri-genomics (BCHM 487) elective for students in the Biochemistry major taught at the same time as Nutri-genomics (FSN 587) for Food Science Master program students. New first-time course offering at Chapman. I developed the syllabus and entirely new course material
- One (1) semester of Nutrition for Life (FSN 200) general education class for undergraduate students completing a Nutrition minor

2018

Chapman University

- One (1) semester of Advanced Nutrition (FSN 303) for undergraduate students completing a Nutrition minor

- One semester of Advanced Food Science Topics (FSN 600) for students in the Food Science Master program and for select undergraduate students. New first-time course offering at Chapman. I developed the syllabus and entirely new course material

2015 – 2017 Clinical Staff Training
Alberta Primary Care Networks
Train Pharmacists, Registered Nurses, Registered Dietitians and Kinesiologists on aspects holistic care and exercise for older adults at 3 Alberta Primary Care Networks: Leduc-Beaumont-Devon, Sherwood Park, Edmonton Oliver.

2011 (Fall) Teaching Assistant
University of Alberta – Alberta Institute for Human Nutrition
Teaching Assistant for NUTR 478 Advanced Macronutrients undergraduate course enrolled in by students applying to internship for Registered Dietetics.

2009 – 2010 Tutor
Epidemiology tutor for PhD student in epidemiology & mathematical statistics.

2007 – 2017 Guest Lectures & Seminars
More than 20 guest lectures & seminars on topics related to human health, pharmacogenomics, nutrigenomics and nutrient-drug-gene interactions.

PROFESIONAL SOCIETIES & MEMBERSHIPS

2019 – present Academy of Nutrition and Dietetics
2018 – present American Society for Nutrition
2017 – present Canadian Nutrition Society
2012 – present International Society for the Study of Fatty Acids and Lipids
2009 – present American Oil Chemists' Society

ACADEMIC SERVICE

- CNS Trainee Leadership committee, 2019 – present
- SCIFTS scholarship review committee, 2018 – present
- ASN conference abstract reviewer, 2019
- Nutrition minor Academic Advisor, Chapman University, 2019 – present
- Go Life! Student group, 2012-2013
- Health and Wellness Movement student group, 2012
- Ganglioside journal club, 2009
- AFNS Graduate Student Orientation Committee, 2008-2009
- General Faculties Council Academic Appeals Committee, 2008-2009
- General Faculties Council University Appeal Board, 2008-2009
- University of Alberta International, 2008
- Nutrition & cancer journal club, 2007
- Nutritional & Nutraceutical Sciences Student Association, 2007

PROFESSIONAL DEVELOPMENT

- Human Research Collaborative Institutional Training Initiative Certificates:
 - Emergency and Incident Response to Biohazard Spills
 - Human Research: Biomedical Research

- Introduction to Biosafety
- Biosafety Retraining
- Biomedical Responsible Conduct of Research
- OSHA Bloodborne Pathogens
- Handling Biohazards
- Health Information Privacy and Security for Clinical Investigators
- Working with the IACUC
- Post-procedural Care of Rodents
- Reducing Pain and Distress in Laboratory Mice and Rats
- Shipping and Transport of Regulated Biologic Materials
- Canadian Centre for Activity and Aging Home Support Exercise Program Facilitator
- Weiser Clinical Trials Study Coordinator Certificate
- NIH Financial Conflicts Of Interest Regulation Certificate
- Radioactive Materials Handling Certificate