

## GIAMILA FANTUZZI, PHD

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Department of Kinesiology and Nutrition  
University of Illinois at Chicago  
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### EDUCATION

- 1989, Laurea in Biological Sciences, Università degli Studi, Milano, Italy (4-year degree with experimental thesis).  
*Thesis title: Natural Killer cell activity in patients with hyperprolactinemia.*
- 1992, PhD in Experimental Endocrinology, Università degli Studi, Milano, Italy.  
*Thesis title: Modulation of tumor necrosis factor alpha production by endogenous glucocorticoids.*
- 1993, Master of Science in Neuroimmunology, Mario Negri Institute for Pharmacological Research, Milano, Italy

### EMPLOYMENT

- 1993-1994, Post-Doctoral Fellow, Laboratory of Neuroimmunology, Mario Negri Institute for Pharmacological Research, Milano, Italy
- 1994-1996, Post-Doctoral Fellow, Division of Infectious Diseases and Geographic Medicine, Tufts University School of Medicine, Boston, MA
- 1996-1997, Fellow, Division of Infectious Diseases, University of Colorado Health Sciences Center, Denver, CO
- 1997-2000, Instructor, Division of Infectious Diseases, University of Colorado Health Sciences Center, Denver, CO
- 2000-2004, Assistant Professor, Division of Infectious Diseases, University of Colorado Health Sciences Center, Denver, CO
- 2004-2012, Associate Professor, Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL
- 2012-present, Professor, Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL

### ADMINISTRATIVE ROLES

- 2014-2024, Director of Graduate Studies, Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL
- 2023-present, Associate Head, Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL

## HONORS AND AWARDS

- 1999, Young Investigator Award, 4<sup>th</sup> World Congress of Inflammation
- 2001, Junior Faculty Award, American Association of Immunologists
- 2009, Educator of the Year Award, Dept. of Kinesiology and Nutrition, University of Illinois at Chicago
- 2011, Excalibur Award for Teaching Excellence, College of Applied Health Sciences, University of Illinois at Chicago
- 2016, Inducted into the group of Top Italian Women Scientists
- 2022, Elected Fellow of the American Association for the Advancement of Science
- 2024, Honor Our Professor's Excellence award

## RESEARCH

### FUNDING FOR RESEARCH ACTIVITIES

#### Principal Investigator

- Cystic Fibrosis Foundation Research Grant, Interleukin-18 in cystic fibrosis, November 15, 2000 – November 14, 2003
- Broad Medical Research Program, The leptin receptor: role in IBD, January 1, 2002-September 29, 2004
- Crohn's and Colitis Foundation of America Senior Research Award, A role for leptin in murine models of IBD, July 1, 2002- September 30, 2004 (returned when NIH R01 funded)
- NIH R01DK061483, A role for leptin in murine models of IBD, September 20, 2003 – August 31, 2009
- NIH R21DK082705, A model of obesity-associated severe acute pancreatitis, March 8, 2006 – February 28, 2009
- National Pancreas Foundation Research Award, Interleukin-6 in experimental acute pancreatitis, June 1, 2009 – May 31, 2010
- NIH R01DK083328, Acute pancreatitis and obesity, July 1, 2010 – April 30, 2015
- CCTS0512-05, Use of the fast-food diet mouse to model the pathophysiology of NASH, May 1, 2012– April 31, 2014 (Co-PI)
- UIC Cancer Center CC2014-03, Galectin-3 as a link between obesity and colorectal cancer risk, March 1, 2014 – June 30, 2015
- UIC Campus Research Board, Relationship between pancreatic cancer and glucose metabolism, March 1, 2015 – September 30, 2016

**Co-Investigator/Consultant**

- NIH R01HL093142, Intensive Nutrition in ARDS: A clinical trial, September 2, 2008 - June 30, 2014, PI: Carol Braunschweig (Role: co-investigator)
- NIH R01AA01744, Homocysteine, Adiponectin, and Alcoholic Liver Disease, August 5, 2009 – July 31, 2015, PI: Zhenyuan Song (Role: co-investigator)
- NIH R01CA129140, Adiposity and outcomes of clinically localized prostate cancer, February 1, 2009-January 31, 2014, PI: Vincent Freeman (Role: co-investigator)
- NIH R21ES017121, Diabetes and persistent organic pollutants, September 1, 2009 – August 21, 2011, PI: Mary E. Turyk (Role: co-investigator)
- NIH R01CA154406, Moving forward: a weight loss program for African-American breast cancer survivors, September 1, 2012 - July 31, 2016, PI: Melinda Stolley (Role: co-investigator)
- CCTS0512-04, Chronic hyperglycemia, advanced glycation end-products and peripheral insulin resistance with type 2 diabetes, May 1, 2012 – April 31, 2014, PI: Jacob Haus (Role: co-investigator)
- 261777 ACS, Effect of community-based lifestyle interventions on serum biomarkers of cancer risk in overweight and obese older African American adults with osteoarthritis: a randomized trial, January 1, 2013 – December 31, 2014, PI: Lisa Tussing-Humphreys (Role: co-investigator)
- CCTS0413-05, Obesity, Colonic Iron Metabolism, and Colorectal Cancer Risk, May 1, 2013 – April 30, 2015, PI: Lisa Tussing-Humphreys (Role: co-investigator)
- NIH R0HL129153, Mediterranean diet, weight loss, and cognition in obese older adults, July 1, 2016, April 30, 2022, PI: Marian Fitzgibbon (Role: co-investigator)
- NIH R01DK111489, Impact of hemopoietic stem cell progenitor cell dysfunction on tissue recovery from ischemic injury in metabolic syndrome, August 11, 2017-July 31, 2022, PI: Norifumi Urao (Role: co-investigator)
- U01NS113851 Study in Parkinson Disease of Exercise Phase 3 Clinical Trial - SPARX3 - August 1, 2020 – July 31, 2022 - PI: Daniel Corcos (Role: consultant)

**INVITED LECTURES**

1. *Leptin: Induction by IL-1 and possible role in the acute phase response.* Clinical Staff Conferences: New insights into the acute phase response. Moderator: AF Suffredini. National Institutes of Health, Bethesda, MD. May 28, 1997
2. *Knocking-out IL-1 $\beta$  versus IL-1 $\beta$ -converting enzyme: more differences than similarities.* Society for Leukocyte Biology 32<sup>nd</sup> National Meeting, Baltimore, MD. December 4-7, 1997
3. *Interleukin-18, a novel proinflammatory mediator.* Co-chair. Bacterial Infections Symposium, First International Congress on Cytokines and Chemokines in Infectious Diseases. National Institutes of Health, Bethesda, MD. September 8-10, 1999
4. *Interleukin-18, a new proinflammatory cytokine.* From the Laboratory to the Clinic. Trinity College, Oxford, UK. September 25-29, 1999

5. *Lessons from interleukin-deficient mice. The IL-1 system.* Functional genomics – A new approach to understand cardiovascular and renal dysfunction. Satellite Symposium to the Joint Meeting of the Swedish and American Physiological Societies, Stockholm University, Stockholm, Sweden. August 19-20, 2000
6. *A role for leptin in autoimmunity.* Douglas Hospital Research Center, McGill University, Verdun, Quebec, Canada. April 29, 2002
7. *Interleukin-18.* The First International Sepsis Forum. Queens College, Cambridge, UK. July 14-15, 2002
8. *Leptin: from obesity to immunity.* The impact of nutritional status on immune function and health. FASEB Summer Research Conference, Vermont Academy, Saxtons River, VT. July 5-10, 2003
9. *Modulation of intestinal, hepatic and pancreatic inflammation by adipokines.* Frontiers of GI research seminars. Section of Digestive Diseases and Nutrition, University of Illinois at Chicago, Chicago, IL. December 15, 2004
10. *Role of adipose tissue in the regulation of immunity and inflammation.* Mario Negri Institute for Pharmacological Research, Milano, Italy. October 19, 2005
11. *Adipose tissue in the regulation of immunity and inflammation.* Division of Allergy and Immunology, Northwestern University, Chicago, IL. December 2, 2005
12. *Role of adiponectin in intestinal inflammation.* Division of Gastroenterology, University of Chicago, Chicago, IL. February 9, 2006
13. *Adipose tissue as a regulator of body homeostasis.* The Scripps Research Institute, La Jolla, CA. March 29, 2006
14. *Adiponectin, leptin and ghrelin in intestinal inflammation.* Diabetes and the Gut. American Motility Society 2007 Scientific Meeting. Grand Bahama Island, Bahamas. March 1-4, 2007
15. *Leptin as a proinflammatory mediator in inflammatory bowel disease.* 9<sup>th</sup> Postgraduate Symposium “Obesity and Inflammation”. Harvard Medical School, Boston, MA. March 21-22, 2007
16. *Adiponectin in inflammatory bowel disease.* Nutritional Immunology: Its Role in Health and Disease. FASEB Summer Research Conference. Tucson, AZ. July 28-August 2, 2007
17. *Adipose tissue as a regulator of intestinal inflammation.* Integrative Immunology and Behavior Group, University of Illinois at Urbana-Champaign, Champaign, IL. November 16, 2007
18. *Obesity and acute pancreatitis.* Frontiers of GI research seminars. Section of Digestive Diseases and Nutrition, University of Illinois at Chicago, Chicago, IL. March 5, 2008
19. *Adipokines as modulators of intestinal inflammation.* Intestine and Adipose tissue: the tale of two endocrine organs in inflammation. Digestive Disease Week. San Diego, CA. May 17-22, 2008
20. *Obesity and acute inflammation: where is the connection?* Department of Endocrinology Grand Rounds, Indiana University, Indianapolis, IN. November 16, 2009

21. *Obesity and acute inflammation: what's the connection?* Section of Endocrinology and Diabetes, University of Illinois at Chicago, Chicago, IL. December 15, 2009
22. *Obesity and experimental acute pancreatitis.* Frontiers of GI research seminars. Section of Digestive Diseases and Nutrition, University of Illinois at Chicago, Chicago, IL. April 7, 2010
23. *Interleukin-6 in obesity: The Good, The Bad and the Ugly.* Department of Kinesiology and Nutrition, University of Illinois at Chicago, Chicago, IL. September 17, 2010
24. *Interleukin-6 in obesity: The Good, The Bad and the Ugly.* Department of Kinesiology and Community Health, University of Illinois at Urbana-Champaign, Champaign, IL. October 1, 2010
25. *IL-6 in obesity and inflammation.* Section of Biochemical Pharmacology, William Harvey Research Institute, Queen Mary University of London, London, UK. November 12, 2010
26. *IL-6 in obesity and inflammation.* Division of Clinical & Laboratory Investigation, Brighton & Sussex Medical School, Brighton, UK. December 8, 2010
27. *IL-6 in obesity and inflammation.* Department of Pathology, University of Geneva, Geneva, Switzerland. December 16, 2010
28. *Unexpected consequences: development of a model of severe acute pancreatitis in obese mice.* Department of Microbiology, University of Padova, Italy. December 14, 2011
29. *IL-6 in obesity and inflammation.* Department of Psychology, University of Illinois at Chicago, Chicago, IL. December 2, 2011
30. *Unexpected consequences: development of a model of severe acute pancreatitis in obese mice.* Department of Physiology and Biophysics, University of Illinois at Chicago, Chicago, IL. February 17, 2012
31. *Adipose tissue inflammation.* Department of Pathology, Case Western Research University, Cleveland, OH. October 2, 2012
32. *Obesity and pancreatic inflammation.* United European Gastroenterology Week. Amsterdam, The Netherlands. October 21-14, 2012
33. *The IL-12+IL-18 model of acute pancreatitis.* Cytokines in Disease Symposium. Denver, CO. August 15, 2013
34. *Adipose tissue inflammation: paradoxes and conundrums.* Keynote speaker: World Congress on the role of inflammation in exercise, health and disease, American College of Sports Medicine Annual Meeting, Orlando, FL. May 27-31, 2014
35. *Obesity and acute pancreatitis.* Division of Pediatric Endocrinology, University of Illinois at Chicago, Chicago, IL. September 17, 2014
36. *Unexpected consequences: development of a model of severe acute pancreatitis in obese mice.* Section of Gastroenterology, University of Illinois at Chicago, Chicago, IL. February 19, 2015
37. *Hard work and random luck: The discovery of leptin, the first adipokine.* College of Applied Health Sciences Continuing Education Day, University of Illinois at Chicago, Chicago, IL. April 11, 2015

38. *Obesity and acute pancreatitis*. Zhejiang Medical University, Hangzhou, China. September 20, 2016
39. *Adiponectin: A message of health?* Seminars on Interoception - European Psychoneuroimmunology Network – January 28, 2021 (Virtual)

#### PEER-REVIEWED PRIMARY RESEARCH ARTICLES

1. Hu C, Radelli L, Scorza R, Bonara P, Perego R, **Fantuzzi G**. In vivo enhancement of NK-cell activity by thymopentin. *Int J Immunopharmacol* 12:193-197, 1990. <http://www.ncbi.nlm.nih.gov/pubmed/2184134>
2. Mengozzi M, **Fantuzzi G**, Sironi M, Bianchi M, Fratelli M, Peri G., Bernasconi S, Ghezzi P. Early down-regulation of TNF production by LPS tolerance in human monocytes: comparison with IL-1 $\beta$ , IL-6, and IL-8. *Lymphokine Cytokine Res* 12:231-236, 1993. <http://www.ncbi.nlm.nih.gov/pubmed/7692988>
3. Erroi A, **Fantuzzi G**, Mengozzi M, Sironi M, Orencole SF, Clark BD, Dinarello CA, Isetta A, Gnocchi P, Giovarelli M, Ghezzi P. Differential regulation of cytokine production in lipopolysaccharide tolerance in mice. *Infect Immun* 61:4356-4359, 1993. <http://www.ncbi.nlm.nih.gov/pubmed/8406825>
4. **Fantuzzi G**, Cantoni L, Sironi M, Ghezzi P. Inhibitors of cytochrome P-450 suppress tumor necrosis factor production. *Cell Immunol* 150:417-424, 1993. <http://www.ncbi.nlm.nih.gov/pubmed/8370080>
5. Bianchi M, **Fantuzzi G**, Bertini R, Perin L, Salmona M, Ghezzi P. The pneumotoxicant paraquat induces IL-8 mRNA in human mononuclear cells and pulmonary epithelial cells. *Cytokine* 5:525-530, 1993. <http://www.ncbi.nlm.nih.gov/pubmed/8142610>
6. **Fantuzzi G**, Sironi M, Delgado R, Cantoni L, Rizzardini M, Carelli M, Marsili I, Ghiara P, Ghezzi P. Depression of liver metabolism and induction of cytokine release by diphtheria and tetanus toxoids and pertussis vaccines: role of *Bordetella pertussis* cells in toxicity. *Infect Immun* 62:29-32, 1994. <http://www.ncbi.nlm.nih.gov/pubmed/8262641>
7. **Fantuzzi G**, Demitri MT, Ghezzi P. Differential regulation of glucocorticoids on tumour necrosis factor production in mice: up-regulation by early pretreatment with dexamethasone. *Clin Exp Immunol* 96:166-169, 1994. <http://www.ncbi.nlm.nih.gov/pubmed/8149662>
8. Mengozzi M, **Fantuzzi G**, Faggioni R, Marchant A, Goldman M, Orencole SF, Clark BD, Sironi M, Benigni F, Ghezzi P. Chlorpromazine specifically inhibits peripheral and brain TNF production, and up-regulates IL-10 production, in mice. *Immunology* 82:207-210, 1994. <http://www.ncbi.nlm.nih.gov/pubmed/7927490>
9. Latini R, Bianchi M, Correale E, Dinarello CA, **Fantuzzi G**, Fresco C, Maggioni AP, Mengozzi M, Romano S, Shapiro L, Sironi M, Tognoni G, Turato R, Ghezzi P. Cytokines in acute myocardial infarction: selective increase in circulating tumor necrosis factor, its soluble receptor, and interleukin-1 receptor antagonist. *J Cardiovasc Pharmacol* 23:1-6, 1994. <http://www.ncbi.nlm.nih.gov/pubmed/7511719>
10. Fattori E, Cappelletti M, Costa P, Sellitto C, Cantoni L, Carelli M, Faggioni R, **Fantuzzi G**, Ghezzi P, Poli V. Defective inflammatory response in interleukin 6-deficient mice. *J Exp Med* 180:1243-1250, 1994. <http://www.ncbi.nlm.nih.gov/pubmed/7931061>

11. **Fantuzzi G**, Galli G, Zinetti M, Fratelli M, Ghezzi P. The upregulating effect of dexamethasone on tumor necrosis factor production is mediated by a nitric oxide-producing cytochrome P-450. *Cell Immunol* 160:305-308, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7720092>
12. **Fantuzzi G**, Benigni F, Sironi M, Conni M, Carelli M, Cantoni L, Shapiro L, Dinarello CA, Sipe JD, Ghezzi P. Ciliary neurotrophic factor (CNTF) induces serum amyloid A, hypoglycaemia and anorexia, and potentiates IL-1 induced corticosterone and IL-6 production in mice. *Cytokine* 7:150- 156, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7780034>
13. Faggioni R, **Fantuzzi G**, Villa P, Buurman W, van Tits LJH, Ghezzi P. Independent down-regulation of central and peripheral tumor necrosis factor production as a result of lipopolysaccharide tolerance in mice. *Infect Immun* 63:1473-1477, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7890412>
14. Zinetti M, **Fantuzzi G**, Delgado R, Di Santo E, Ghezzi P, Fratelli M. Endogenous nitric oxide production by human monocytic cells regulates LPS-induced TNF production. *Eur Cytokine Netw* 6:45-48, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7795174>
15. Erroi A, **Fantuzzi G**, Demitri MT, Echtenacher B, Gnocchi P, Isetta A, Ghezzi P. Protective effect of chlorpromazine on TNF-mediated hapten-induced irritant reaction. *Eur Cytokine Netw* 6:55-57, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7795176>
16. Cole TJ, Blendy JA, Monaghan P, Kriegstein K, Schmid W, Aguzzi A, **Fantuzzi G**, Hummler E, Unsicker K, Schutz G. Targeted disruption of the glucocorticoid receptor gene blocks adrenergic chromaffin cell development and severely retards lung maturation. *Genes Dev* 9:1608-1621, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7628695>
17. **Fantuzzi G**, Di Santo E, Sacco S, Benigni F, Ghezzi P. Role of the hypothalamus-pituitary-adrenal axis in the regulation of TNF production in mice: effect of stress and inhibition of endogenous glucocorticoids. *J Immunol* 155:3552-3555, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/7561052>
18. Zinetti M, Galli G, Demitri MT, **Fantuzzi G**, Minto M, Ghezzi P, Alzani R, Cozzi E, Fratelli M. Chlorpromazine inhibits TNF synthesis and cytotoxicity *in vitro*. *Immunology* 86:416-421, 1995. <http://www.ncbi.nlm.nih.gov/pubmed/8550079>
19. **Fantuzzi G**, Dinarello CA. The inflammatory response in IL-1 $\beta$ -deficient mice: comparison with other cytokine-related knock-out mice. *J Leukoc Biol* 59:489-493, 1996. <http://www.ncbi.nlm.nih.gov/pubmed/8613694>
20. Benigni F, **Fantuzzi G**, Sacco S, Sironi M, Pozzi P, Dinarello CA, Sipe JD, Poli V, Cappelletti M, Paonessa G, Pennica D, Panayotatos N, Ghezzi P. Six different cytokines that share gp130 as a receptor subunit induce serum amyloid A and potentiate the induction of IL-6 and the activation of the hypothalamus-pituitary-adrenal axis by IL-1. *Blood* 87:1851-1854, 1996. <http://www.ncbi.nlm.nih.gov/pubmed/8634432>
21. **Fantuzzi G**, Zheng H, Faggioni R, Benigni F, Ghezzi P, Sipe JD, Shaw AR, Dinarello CA. Effect of endotoxin in interleukin-1 $\beta$ -deficient mice. *J Immunol* 157:291-196, 1996. <http://www.ncbi.nlm.nih.gov/pubmed/8683129>
22. Benigni F, Faggioni R, Sironi M, **Fantuzzi G**, Vandenabeele P, Takahashi N, Sacco S, Fiers W, Buurman WA, Ghezzi P. Tumor necrosis factor receptor p55 plays a major role in centrally-mediated increases of serum IL-6 and corticosterone after intracerebroventricular injection of TNF. *J Immunol* 157:5563-5568, 1996. <http://www.ncbi.nlm.nih.gov/pubmed/8955207>

23. **Fantuzzi G**, Ku G, Harding MW, Livingston DJ, Sipe JD, Kuida K, Flavell RA, Dinarello CA. Response to local inflammation of IL-1 $\beta$ -converting enzyme-deficient mice. *J Immunol* 158:1818- 1824, 1997. <http://www.ncbi.nlm.nih.gov/pubmed/9029121>
24. Alheim K, Chai Z, **Fantuzzi G**, Hasanvan H, Malinovski D, Di Santo E, Ghezzi P, Dinarello CA, Bartfai T. Hyperresponsive febrile reactions to IL-1 $\alpha$  and IL-1 $\beta$ , and altered brain cytokine mRNA and serum cytokine levels in IL-1 $\beta$ -deficient mice. *Proc Natl Acad Sci USA* 94: 2681-2686, 1997. <http://www.ncbi.nlm.nih.gov/pubmed/9122256>
25. Le Tulzo Y, Shenkar R, Kaneko D, Moine P, **Fantuzzi G**, Dinarello CA, Abraham E. Hemorrhage increases cytokine expression in lung mononuclear cells in mice: Involvement of catecholamines in nuclear factor (NF)- $\kappa$ B regulation and cytokine expression. *J Clin Invest* 99:1516-1524, 1997. <http://www.ncbi.nlm.nih.gov/pubmed/9119995>
26. Fratelli M, Zinetti M, **Fantuzzi G**, Spina C, Napoletano G, Donatiello G, Ravagnan R, Sipe JD, Casey CA, Ghezzi P. Time course of circulating acute phase proteins and cytokines in septic patients. *Amyloid* 4:33-39, 1997. <http://informahealthcare.com/doi/abs/10.3109/13506129708995266>
27. **Fantuzzi G**, Sacco S, Ghezzi P, Dinarello CA. Physiologic and cytokine responses in interleukin-1 $\beta$ - deficient mice following zymosan-induced inflammation. *Am J Physiol* 273:R400-R406, 1997. <http://www.ncbi.nlm.nih.gov/pubmed/9249578>
28. Gabay C, Porter B, **Fantuzzi G**, Arend WP. Mouse IL-1 receptor antagonist isoforms: complementary DNA cloning and protein expression of intracellular isoform and tissue distribution of secreted and intracellular IL-1 receptor antagonist in vivo. *J Immunol* 159:5905-5913, 1997. <http://www.ncbi.nlm.nih.gov/pubmed/9550387>
29. Puren AJ, **Fantuzzi G**, Gu Y, Su MS, Dinarello CA. Interleukin-18 (IFN $\gamma$ -inducing factor) induces IL-8 and IL-1 $\beta$  via TNF $\alpha$  production from non-CD14<sup>+</sup> human blood mononuclear cells. *J Clin Invest* 101:711-721, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9449707>
30. Faggioni R, **Fantuzzi G**, Fuller J, Dinarello CA, Feingold KR, Grunfeld C. IL-1 $\beta$  mediates leptin induction during inflammation in mice. *Am J Physiol* 274:R204-R208, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9458919>
31. **Fantuzzi G**, Puren AJ, Harding MW, Livingston DJ, Dinarello CA. Interleukin-18 regulation of interferon  $\gamma$  production and cell proliferation as shown in interleukin-1 $\beta$  converting enzyme (Caspase-1)-deficient mice. *Blood* 91:2118-2125, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9490698>
32. **Fantuzzi G**, Dinarello CA. Stem cell factor-deficient mice have a dysregulation of cytokine production during local inflammation. *Eur Cytokine Netw* 9:85-92, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9613682>
33. Puren AJ, Razeghi P, **Fantuzzi G**, Dinarello CA. Interleukin-18 synergizes with lipopolysaccharide for interferon- $\gamma$  production in human whole blood cultures. *J Infect Dis* 178:1830-1834, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9815245>
34. Reznikov LL, Puren AJ, **Fantuzzi G**, Muhl H, Shapiro L, Yoon DY, Cutler DL, Dinarello CA. Spontaneous and inducible cytokine responses in healthy humans receiving a single dose of IFN- $\alpha$ 2b: increased production of interleukin-1 receptor antagonist and suppression of IL-1-induced IL-8. *J Interferon Cytokine Res* 18:897-903, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9809626>



35. Faggioni R, **Fantuzzi G**, Gabay C, Moser A, Dinarello CA, Feingold KR, Grunfeld C. Leptin deficiency enhances sensitivity to endotoxin-induced lethality. *Am J Physiol* 276:R136-R142, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/9887187>
36. Novick D, Kim S-H, **Fantuzzi G**, Reznikov LL, Dinarello CA, Rubinstein M. Interleukin-18 binding protein: a novel modulator of the TH1 cytokine response. *Immunity* 10:127-136, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10023777>
37. Puren AJ, **Fantuzzi G**, Dinarello CA. Gene expression, synthesis and secretion of IL-18 and IL-1 $\beta$  are differentially regulated in human mononuclear cells and mouse spleen cells. *Proc Natl Acad Sci USA* 96:2256-2261, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10051628>
38. Reznikov LL, **Fantuzzi G**, Selzman CH, Shames BD, Barton HA, Bell H, McGregor JA, Dinarello CA. Utilization of endoscopic inoculation in a mouse model of intrauterine infection-induced preterm birth: role of interleukin 1 $\beta$ . *Biol Reprod* 60:1231-1238, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10208989>
39. Vannier E, Kaser A, Atkins MB, **Fantuzzi G**, Dinarello CA, Mier JW, Tilg H. Elevated circulating levels of soluble interleukin-1 receptor type II during interleukin-2 immunotherapy. *Eur Cytokine Netw* 10:37-41, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10210771>
40. Biasucci LM, Liuzzo G, **Fantuzzi G**, Caligiuri G, Rebuzzi AG, Ginnetti F, Dinarello CA, Maseri A. Increasing levels of interleukin (IL)-1Ra and IL-6 during the first 2 days of hospitalization in unstable angina are associated with increased risk of in-hospital coronary events. *Circulation* 99:2079-2084, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10217645>
41. George CL, **Fantuzzi G**, Bursten S, Leer L, Abraham E. Effects of lisofylline on hyperoxia-induced lung injury. *Am J Physiol* 276:L776-L785, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10330034>
42. **Fantuzzi G**, Reed DA, Dinarello CA. IL-12-induced IFN $\gamma$  is dependent on caspase-1 processing of the IL-18 precursor. *J Clin Invest* 104:761-767, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10491411>
43. Vidal-Vanaclocha F, **Fantuzzi G**, Mendoza L, Fuentes AM, Anasagasti MJ, Martin J, Carrascal T, Walsh P, Reznikov LL, Kim SH, Novick D, Rubinstein M, Dinarello CA. IL-18 regulates IL-1 $\beta$ -dependent hepatic melanoma metastasis via vascular cell adhesion molecule-1. *Proc Natl Acad Sci USA* 97:734-739, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10639148>
44. Reznikov LL, Shames BD, Barton HA, Selzman CH, **Fantuzzi G**, Kim SH, Johnson SM, Dinarello CA. Interleukin-1 $\beta$  deficiency results in reduced NF- $\kappa$ B levels in pregnant mice. *Am J Physiol* 278:R263-R270, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10644648>
45. Kim SH, Eisenstein M, Reznikov LL, **Fantuzzi G**, Novick D, Rubinstein M, Dinarello CA. Structural requirements of six naturally occurring isoforms of the IL-18 binding protein to inhibit IL-18. *Proc Natl Acad Sci USA* 97:1190-1195, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10655506>
46. Meer JWM, Dinarello CA. Neutralization of IL-18 reduces neutrophil tissue accumulation and protects mice against lethal *Escherichia coli* and *Salmonella typhimurium* endotoxemia. *J Immunol* 164:2644-2649, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10679104>

47. Faggioni R, Jones-Carson J, Reed DA, Dinarello CA, Feingold KR, Grunfeld C, **Fantuzzi G**. Leptin- deficient (*ob/ob*) mice are protected from T cell-mediated hepatotoxicity: Role of tumor necrosis factor- $\alpha$  and IL-18. *Proc Natl Acad Sci USA* 97:2367-2372, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10681432>
48. Reznikov LL, Kim SH, Westcott JY, Frishman J, **Fantuzzi G**, Novick D, Rubinstein M, Dinarello CA. IL-18 binding protein increases spontaneous and IL-1-induced prostaglandin production via inhibition of IFN $\gamma$ . *Proc Natl Acad Sci USA* 97:2174-2179, 2000. <http://www.ncbi.nlm.nih.gov/pubmed/10681439>
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141. Liew CW, Xu S, Wang X, McCann M, Whang Kong H, Carley AC, Pang J, **Fantuzzi G**, O'Donnell JM, Lewandosky ED. Multiphasic Regulation of Systemic and Peripheral Organ Metabolic Responses to Cardiac Hypertrophy. *Circ Heart Fail* 10: e003864, 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28404627>
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146. Chen Y, Patel A, Meier PP, **Fantuzzi G**. Digested Early Preterm Human Milk Suppresses Tumor Necrosis Factor-induced Inflammation and Cytotoxicity in Intestinal Epithelial Cells. *J Pediatr Gastroenterol Nutr* 66:e153-e157, 2018. <https://www.ncbi.nlm.nih.gov/pubmed/29470288>
147. Chen Y, **Fantuzzi G**, Schoeny M, Meier P, Patel AL. High-dose human milk feedings decrease premature stress in immature infant. *JPEN* 43:126-132, 2019. <https://www.ncbi.nlm.nih.gov/pubmed/29761879>
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151. Gabriel FC, **Fantuzzi G**. The association of short-chain fatty acids and leptin metabolism: a systematic review. *Nutr Res* 201972:18-35, 2019. <https://pubmed.ncbi.nlm.nih.gov/31669116>
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- older obese African American adults in a randomized controlled trial to examine the effect of the Mediterranean diet with and without weight loss on cognitive functioning. *Prev Med Rep* 22:101302, 2020. <https://pubmed.ncbi.nlm.nih.gov/33665063>
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  160. Byrne CA, **Fantuzzi G**, Stephan JT, Kim S, Oddo VM, Koh TJ, Gomez SL. Sarcopenia Identification Using Alternative Vertebral Landmarks in Individuals with Lung Cancer. *Muscles*. 2024 Jun;3(2):121-132. <https://pubmed.ncbi.nlm.nih.gov/38846908/>

#### REVIEWS, THEORETICAL ARTICLES, BOOK CHAPTERS AND COMMENTARIES

1. Scorza R, Hu C, Radelli L, **Fantuzzi G**, Grassi C, Molteni M. Neuroendocrine regulation of NK cell function. In: *BRM. Biological Response Modifiers. Applications in clinical medicine*. Indiveri F, Puppo F, Scudeletti M, Eds. Societa' Editrice Esculapio, Bologna, Italy. Pg. 203-219, 1990.
2. **Fantuzzi G**, Ghezzi P. Glucocorticoids as cytokine inhibitors: role in neuroendocrine control and therapy of inflammatory diseases. *Mediat Inflamm* 2:263-270, 1993. <http://www.ncbi.nlm.nih.gov/pubmed/18475532>
3. **Fantuzzi G**, Faggioni R, Benigni F, Ghezzi P. Cytokines and the brain: central production and neuroendocrine feedback. In: *The immune consequences of trauma, shock and sepsis. Mechanisms and therapeutic approaches*. Faist E, Baue A, Schildberg FW, Eds. Pabst Science Publishers, Wien, Austria. Pg. 362-367, 1997. [http://books.google.es/books/about/Immune\\_consequences\\_of\\_trauma\\_shock\\_and.html?id=5k5sAA\\_AAMAAJ](http://books.google.es/books/about/Immune_consequences_of_trauma_shock_and.html?id=5k5sAA_AAMAAJ)

4. **Fantuzzi G**, Dinarello CA. Interleukin-1 $\beta$ -deficient mice. In: *Cytokine knockouts*. Durum SK, Muegge K, Eds. Humana Press, Totowa, NJ. Pg. 129-153, 1998. [http://books.google.com/books/about/Cytokine\\_knockouts.html?id=9RhrAAAAMAAJ](http://books.google.com/books/about/Cytokine_knockouts.html?id=9RhrAAAAMAAJ)
5. Dinarello CA, Novick D, Puren AJ, **Fantuzzi G**, Shapiro L, Muhl H, Yoon D-Y, Reznikov LL, Kim, S- H, Rubinstein M. Overview of interleukin-18: more than an interferon- $\gamma$  inducing factor. *J Leukoc Biol* 63:658-664, 1998. <http://www.ncbi.nlm.nih.gov/pubmed/9620656>
6. **Fantuzzi G**, Dinarello CA. Interleukin-18 and interleukin-1 $\beta$ : two cytokine substrates for ICE (caspase-1). *J Clin Immunol* 19:1-11, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10080100>
7. Suffredini AF, **Fantuzzi G**, Badolato R, Oppenheim JJ, O'Grady NP. New insights into the biology of the acute phase response. *J Clin Immunol* 19:203-214, 1999. <http://www.ncbi.nlm.nih.gov/pubmed/10471974>
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9. Dinarello CA, **Fantuzzi G**. Importance of the interleukin-1 $\beta$ -converting enzyme in disease mediated by the proinflammatory cytokines IL-1 $\beta$  and IL-18. In: *Cytokine inhibitors*. Ciliberto G, Savino R, Eds. Marcel Dekker, Inc., New York, NY. Pg. 1-32, 2000. <http://www.ebooks.com/216052/cytokine-inhibitors/ciliberto-gennaro-savino-rocco/>
10. **Fantuzzi G**. Lessons from interleukin-deficient mice. The interleukin-1 system. *Acta Physiol Scand* 173:5-9, 2001. <http://www.ncbi.nlm.nih.gov/pubmed/11678721>
11. Dinarello CA, **Fantuzzi G**. Interleukin 18 and host defense against infection. *J Infect Dis* 187:S125- S133, 2003. <http://www.ncbi.nlm.nih.gov/pubmed/12792854>
12. **Fantuzzi G**. Adipose tissue, adipokines and inflammation. *J Allergy Clin Immunol* 115:911-919, 2005. <http://www.ncbi.nlm.nih.gov/pubmed/15867843>
13. **Fantuzzi G**. Leptin: nourishment for the immune system. *Eur J Immunol* 36:3101-3104, 2006. <http://www.ncbi.nlm.nih.gov/pubmed/17125140>
14. **Fantuzzi G**, Mazzone T. Adipose tissue and atherosclerosis. Exploring the connection. *Arterioscler Thromb Vasc Biol* 27:996-1003, 2007. <http://www.ncbi.nlm.nih.gov/pubmed/17303782>
15. **Fantuzzi G**. Adiponectin and inflammation: consensus and controversy. *J Allergy Clin Immunol* 121:326-330, 2008. <http://www.ncbi.nlm.nih.gov/pubmed/18061654>
16. **Fantuzzi G**. Three questions about leptin and immunity. *Brain Behav Immun* 23:405-410, 2009. <http://www.ncbi.nlm.nih.gov/pubmed/18996468>
17. **Fantuzzi G**. Adiponectin and Inflammation. *Am J Physiol Endocrin Metab* 296: E397, 2009. (Letter to the Editor). <http://www.ncbi.nlm.nih.gov/pubmed/19171845>
18. Gove ME, **Fantuzzi G**. Adipokines and inflammation. In: *Adipose tissue and inflammation*. Awad AB, Bradford PJ, Eds. CRC Press, Boca Raton FL. Pg. 83-97, Taylor & Francis, London, UK. Pag. 2009. <http://www.ebooks.com/565795/adipose-tissue-and-inflammation/awad-atif-b-ed-->

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19. **Fantuzzi G.** Response to: Evolutionary speculation about tuberculosis and the metabolic and inflammatory processes of obesity. *JAMA* 302:1754, 2009. (Letter to the Editor). <http://www.ncbi.nlm.nih.gov/pubmed/19861665>
20. Gove ME, **Fantuzzi G.** Adipokines, nutrition and obesity. In: *Preventive nutrition. The comprehensive guide for health professionals, Fourth edition.* Bendich A, Deckelbaum RJ, Eds. Springer, New York, NY. Pg. 419-431, 2009. <http://www.springer.com/new+%26+forthcoming+titles+%28default%29/book/978-1-60327-541-5>
21. **Fantuzzi G.** Cytokines: pulling the body together as a whole. *ScientificWorldJournal* 11:2506-2508, 2011. <http://www.ncbi.nlm.nih.gov/pubmed/22235181>
22. Akasheh RT, Pang J, York JM, **Fantuzzi G.** New pathways to control inflammatory responses in adipose tissue. *Curr Opin Pharmacol* 13:613-617, 2013. <http://www.ncbi.nlm.nih.gov/pubmed/23648270>
23. **Fantuzzi G.** Mesenchymal stem cells in experimental acute pancreatitis: issues with data interpretation. *Gastroenterology* 145:256-257, 2013. (Letter to the Editor). <http://www.ncbi.nlm.nih.gov/pubmed/23727495>
24. **Fantuzzi G.** Adiponectin in inflammatory and immune-mediated diseases. *Cytokine* 64:1-10, 2013. <http://www.ncbi.nlm.nih.gov/pubmed/23850004>
25. **Fantuzzi G.** The sound of health. *Front Immunol* 5:2014:00351. <http://journal.frontiersin.org/Journal/10.3389/fimmu.2014.00351/full>
26. **Fantuzzi G.** Health versus disease as the catalyst for biomedical research: the science of adipokines as a case in point. *Front Endocrinol* 5:2014:00136. <http://journal.frontiersin.org/Journal/10.3389/fendo.2014.00136/full>
27. **Fantuzzi G.** Cancer is a propagandist. *Stud Hist Philos Biol Biomed Sci* 63:28-31, 2017. <https://www.ncbi.nlm.nih.gov/pubmed/28410500>
28. Mehta N, Luthra NS, Corcos DM, **Fantuzzi G.** C-reactive protein as the biomarker of choice to monitor the effects of exercise on inflammation in Parkinson's disease. *Front Immunol.* 14:1178448, 2023. <https://pubmed.ncbi.nlm.nih.gov/37251392/>
29. Ghezzi P, **Fantuzzi G,** Dinarello CA. Perspective: Daniela Novick, cytokines and their receptors. *Front Immunol.* 14:1160651, 2023. <https://pubmed.ncbi.nlm.nih.gov/37251377/>
30. Cavalcante-Silva J, **Fantuzzi G,** Minshall R, Wu S, Oddo VM, Koh TJ Racial/ethnic disparities in chronic wounds: Perspectives on linking upstream factors to health outcomes. *Wound Repair Regen.* 2024, Online ahead of print. <https://pubmed.ncbi.nlm.nih.gov/38943351/>

## BOOK EDITING

1. Cytokine Knockouts. 2<sup>nd</sup> E Edition. **Fantuzzi G,** Editor. Humana Press, Totowa, New Jersey, 2003. <http://www.nature.com/icb/journal/v82/n1/full/icb200415a.html>
2. Adipose tissue and adipokines in health and disease. **Fantuzzi G,** Mazzone T, Editors. Humana Press, Totowa, New Jersey, 2007. <http://link.springer.com/book/10.1007%2F978-1-59745-370-7>

3. Adipose tissue and adipokines in health and disease. 2<sup>nd</sup> Edition. **Fantuzzi G**, Braunschweig C, Editors. Humana Press, Totowa, New Jersey, 2014.  
<http://www.springer.com/new+%26+forthcoming+titles+%28default%29/book/978-1-62703-769-3>

### **BOOK WRITING**

1. Body messages. The quest for the proteins of cellular communication. **Fantuzzi G**. Harvard University Press, Cambridge, MA, September 26, 2016.  
<https://www.hup.harvard.edu/catalog.php?isbn=9780674088948&content=toc>

### **TEACHING AND MENTORING**

#### **CURRENT COURSE RESPONSIBILITIES**

- HN202, Culture & Food – Fall and Spring semester
- HN318, Genetic, Molecular and Cellular Mechanisms of Chronic Diseases – Fall semester
- HN503, Advanced Pathophysiology – Spring semester

#### **PAST COURSE RESPONSIBILITIES**

- HN594, Cells to Community: Research in the Department of Kinesiology and Nutrition
- HN594, Writing Good Research Articles
- HN594, Nutrition and Cancer (co-instructor)

#### **MENTORING ACTIVITIES: FUNDING**

- Mentor. Crohn's and Colitis Foundation of America Career Development Award, Role of adipokines in inflammatory bowel diseases  
Mentee: Raja Fayad, MD, 2006-2009
- Co-Director and Mentor. NIH T32DK080674, Diabetes, Nutrition and Obesity Research Training Program, PI: Terry Unterman  
Mentee: Jason M. York, PhD, 2012-2014
- Mentor: NIH T32DK007788, Molecular training in gastroenterology and hepatology. PI: Pradeep Dudeja  
Mentee: Elise Malecki, MD, PhD, 2011-2014
- Co-mentor. Building Interdisciplinary Research Careers in Women's Health Scholar Program.  
Mentee: Lisa Tussing-Humphreys, RD, PhD, 2013-2015
- Co-mentor. K01HL149775, My essence – Mindfulness to reduce stress, improve sleep and reduce cardiovascular risk in African Americans with Type 2 Diabetes.

Mentee: Alana Biggers, PhD, 2020-2025

## GRADUATE STUDENT ADVISING

### MS in Human Nutrition (thesis track only)

- Davina Rhodes, 2005-2007 *Profile of inflammatory factors in mesenteric fat in a dextran sodium sulfate-induced colitis mouse model.*
- Christiana McMorran, 2006-2008 *Immunophenotyping T cell subset populations in adiponectin deficient mice.*
- Sarah Olender, 2007-2010 *White blood cell and hemoglobin response in combination alternate day fasting and exercise interventions.*
- Rand Akasheh, 2010-2012 *Annexin A1 regulates adiposity in mice.*
- Jingbo Pang, 2010-2012 *Galectin-3 in obesity.*
- Margaret Sullivan, 2010-2012 *Modulation of the IL-6 system and STAT-3 activation in lymphocytes of lean and obese women.*
- Fernanda Gabriel, 2017-2018 *The Association of Short-Chain Fatty Acids and Leptin Metabolism: A Systematic Review*

### PhD in Kinesiology and Nutrition

- Melissa (Gove) Farb, 2004-2007 *Adiponectin in Inflammatory Bowel Disease.*
- Jingbo Pang, 2012-2016 *Galectin-3 in obesity and endotoxin-induced inflammation.*
- Yimin Chen, PhD, 2011-2017 *Modulating effect of feeding types on pathophysiologic response in the premature infant and intestinal epithelial cells.*
- Rand Akasheh, 2012-2017 *The Role of Annexin A1 in Insulin Resistance and Pancreatitis.*
- Cecily Byrne, 2017- 2022 *Sarcopenia and Inflammation in Individuals with Lung Cancer.*
- Amy McNeil, 2017- present *Finding empathy: a qualitative analysis of statements from applicants to the Coordinated Masters program in Human Nutrition.*

## SERVICE

### SERVICE TO THE PROFESSION

#### Grant reviewer

- June 2007- Ad-hoc member, NIH Special emphasis panel on Metabolism, Energy Balance and Immune Response
- June 2008 - Ad-hoc member, NIH Gastrointestinal Mucosal Pathobiology Study Section
- October 2009 - Ad-hoc member, NIH Gastrointestinal Mucosal Pathobiology Study Section
- February 2011 - Ad-hoc member, NIH Tumor Microenvironment Study Section
- October 2011- June 2015 - Appointed member, NIH Tumor Microenvironment Study Section
- July 2013 - Ad-hoc member, NIH Special Emphasis Panel on Diabetes and Obesity
- April 2016 - October 2021- Appointed Member, FWO Research Foundation Flanders, Belgium.
- June 2016 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, Pre-application, Pancreatitis
- August 2016 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, Discovery, Pancreatitis
- October 2016- December 2022 - Appointed member – Medical section 7, Flemish Research Council, Belgium
- September 2017 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, Discovery, Pancreatitis
- November 2017 - Ad-hoc member, NIH Special Emphasis Panel on Gastroenterology
- December 2017 - Scientist reviewer, Department of Defense Congressional-Directed Medical Research Program, Gastrointestinal Diseases
- December 2017 - Scientist reviewer, Department of Defense Congressional-Directed Medical Research Program, Gastrointestinal Diseases
- August 2019 - Scientist reviewer, Department of Defense Congressional-Directed Medical Research Program, Tissue Regeneration
- May 2020 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, PRE-GID
- May 2020 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, DIS-GID
- June 2020 - Online reviewer, Department of Defense Peer Reviewed Medical Research Program, PRE-IBD.
- April 2021 – Ad-hoc reviewer, NIH Special Emphasis Panel on COVID-19 and Metabolic Disease
- April 2022 – Study section chair, Department of Defense Peer Reviewed Medical Research Program, DIS-PAN
- March 2023 – Study section chair, Department of Defense Peer Reviewed Medical Research Program, AD-PAN

#### Additional activities as ad-hoc reviewer:

AAAS Research Program; American Association of University Women; American Diabetes Association; Broad Medical Research Program; French National Research Agency; Hong Kong General Research Fund; Israeli Science Foundation; Italian Minister of Education, University and Research; National Swiss Foundation; Telethon Italia; UIC Cancer Center; UIC Researcher of the Year Award; UIC Multidisciplinary Pilot Grants; UK Diabetes Foundation; Wellcome Trust



## Manuscript reviewer

Editorial boards:

- Associate Editor, *Journal of Immunology*, 2006-2009
- Associate Editor, *World Journal of Gastroenterology* 2009–2010
- Guest Editor, Mediators of Inflammation in Obesity and Its Co-Morbidities, Special issue of *Mediators of Inflammation*, 2009
- Associate Editor, *Mediators of Inflammation*, 2009–2013
- Special Topic Editor, Effect of Obesity on Inflammatory Diseases, *Frontiers in Immunology*, 2014
- Associate Editor, *American Journal of Physiology – Gastrointestinal and Liver Physiology*, 2015- present
- Associate editor, *Frontiers in Immunology – Section on Inflammation*, 2021-present

## Ad-hoc reviewer:

American Journal of Physiology; Arthritis Research; Blood; Diabetes; Endocrinology; European Journal of Immunology; Frontiers in Nutrition; Gastroenterology; Gut; Journal of Clinical Investigation; Journal of Immunology; Journal of Leukocyte Biology; Metabolism; Nature Reviews in Immunology; Obesity; Pancreas; PLoS ONE; Proceedings of the National Academy of Sciences USA; Science; Science Translational Medicine; Stress; Trends in Pharmacological Sciences

## SERVICE TO THE UNIVERSITY

### Department of Kinesiology and Nutrition

- Member, Graduate student evaluation committee, 2008-2010 (Chair in 2010)
- Chair, Search Committee, three tenure-track faculty positions in Nutrition, 2007-2008
- Associate Director of Graduate Studies, 2009-2015
- Member, Search Committee, tenure-track faculty position in Exercise Physiology, 2010
- Member, Search Committee, tenure-track faculty position in Neuroscience, 2012-2013
- Organizer, Graduate Research Day "*Cells to Community*", 2012-2015
- Member, Faculty Advisory Committee, 2011-2013, 2017-present
- Chair, Promotion and Tenure Committee, 2017-2021
- Member, Search Committee, tenure-track faculty position in Exercise Physiology, 2018
- Member, Search Committee, tenure-track faculty position in Human Nutrition, 2019
- Member, Search Committee, tenure-track faculty position in Exercise Physiology, 2019
- Member, Academic Affairs Committee, 2019-present
- Member, Search Committee, clinical-track faculty positions in Exercise Physiology, 2023
- Member, Search Committee, clinical-track faculty positions in Exercise Psychology, 2023

### College of Applied Health Sciences

- Member, Executive Committee, 2005-2006, 2009-2010, 2020-2022
- Member, Faculty Advisory Committee, 2005-2008
- Member, Steering Committee of the Urban Allied Health Academy, 2005-2009
- Member, 5-year evaluation committee for the Head of the Department of Kinesiology and Nutrition, 2014
- College steward, UIC United Faculty, 2014-2018
- Co-chair, Search Committee, Head of the Department of Kinesiology and Nutrition, 2016-2017
- Member, ad-hoc committee for PhD teaching and development, 2017
- Member, Promotion and Tenure Committee, 2018-2022

**Campus**

- Member, Facilities Subcommittee of the Animal Care Committee, 2006-2010
- Member, Faculty Senate, 2007-2010
- Member, Research Advisory Committee, 2007-2010
- Member, Internal Advisory Committee of the UIC Cancer Education and Career Development Program, 2008-2015
- Member, Campus Research Board, Basic Life Sciences subcommittee, 2008-2010
- Member, Search Committee, Dean of Applied Health Sciences, 2010-2011
- Vice Chair, Campus Research Board, Basic Life Sciences subcommittee, 2010-2013
- Chief Steward, UIC United Faculty, 2011-2014
- Member, Graduate College Executive Committee, 2013-2015
- Member of the Student Success Initiative – Adaptive Software Subcommittee, 2016-2017
- Member, UIC Senate Research Committee, 2014-2018
- Member, Graduate College Awards Committee, 2020-present