

Curriculum Vitae

Gloria Salazar

September 22, 2016

General Information

University address: Nutrition, Food and Exercise Sciences
College of Human Sciences
Sandels Building 0408
Florida State University
Tallahassee, Florida 32306-1493

E-mail address: gsalazar@fsu.edu

Professional Preparation

- 2000 Doctoral Degree, Aca, Catholic University of Chile. Major: Cell Molecular Biology.
- 1993 Master's Degree, Catholic University of Chile. Major: Biochemistry.
- 1990 Bachelor's Degree, Catholic University of Chile. Major: Biochemistry.

Nondegree Education and Training

- 2002–2007 Postdoctoral Fellow Cell Biology Department Emory University School of Medicine.
Advisor: Victor Faundez MD, PhD.

Professional Experience

- 2013–present Assistant Professor, Nutrition, Food and Exercise Sciences, Florida State University.
- 2008–2013 Assistant Professor, Division of Cardiology, Emory University School of Medicine.

Honors, Awards, and Prizes

Outstanding Scientific Citation Early Career Research Award nominee, Emory University (2012).
Travel Award, International Society for Zinc Biology, Melbourne, Australia (2012).
Travel Award, 13th International Meeting on Trace Elements in Man and Animals (TEMA 13), Chile (2007).
Minorities Affair Committee (MAC) travel award, American Society for Cell Biology (2003).
Best PhD Degree Thesis Award, Cellular Foundation of Chile (2001).
Honor University President Award, Catholic University of Chile (1998).
Best Master Degree Thesis Award, Cellular Foundation of Chile (1993).

Fellowship(s)

PhD Fellowship. Conicyt Santiago, Chile (1994–2000).

Current Membership in Professional Organizations

American Heart Association
American Society for Nutrition
International Society for Zinc Biology
The Gerontological Society of America

Teaching

Courses Taught

Intermediary Metabolism II (HUN3226)
Honors Thesis (HUN4913)
Advanced Topics (PET6931)
Food and Nutrition Seminar (HUN6930)
Seminar in Food and Nutrition Sciences (FOS6930)
Seminar in Movement Sciences (PET6930)
Grant Writing (HUN5938)
Nutrigenomics & Epigenetics (HUN5938)
Molecular Nutrition (HUN5938)
Nutrigenomics (HUN5906)
Embryology Tissues and Cell Module (ETC) Laboratory (ETC)
Lecture in Signaling Networks in Cells

New Course Development

Cell and Molecular Biology (2016)
Nutrigenomics and Epigenetics (2015)

Doctoral Committee Chair

Klarich, D., doctoral student.
Zhao, Y., doctoral student.
Huang, J., doctoral student.

Doctoral Committee Member

Jafarinasabian, P., doctoral candidate.
Campbell, J. C., doctoral student.
Jaime, S. J., doctoral student.

Master's Committee Member

Dooley, K. F., graduate. (2017).

Supervision of Student Research Not Related to Thesis or Dissertation

Feresin, R. (Aug 2014–Jun 2015).

Zhao, Y. (Jan–Jun 2014).

Forouzandeh, F. (2012–13).

Cardiology Fellow, Emory University.

Craige, B. (2005–09).

BCBD program, Emory University.

Styers, M. (2002–05).

BCBD program, Emory University.

Rodriguez, S. (2002–04).

University of Puerto Rico. PROMISE Program, Emory University.

Rubinson, A. (2002–04).

Emory University.

Invited Lecture

Salazar, G. (2016). *Regulation of Nox1 Function by Zinc. HUN6930, Food and Nutrition Seminar*. Department of Nutrition, Food and Exercise Sciences, Florida State University.

Salazar, G. (2014–2016). *Role of Aging in Cardiovascular Disease Progression. PET4076/5077 Physical Dimensions of Aging*. Department of Nutrition, Food and Exercise Sciences, Florida State University.

Salazar, G. (2014). *Testing Molecular Mechanisms of Disease Using in vivo and in vitro Model Systems. HUN5802 Research Design and Methodology*. Department of Nutrition, Food and Exercise Sciences, Florida State University.

Research and Original Creative Work

Program of Research and/or Focus of Original Creative Work

Dr. Salazar's research focuses on understanding the molecular mechanism that modulates aging of the vascular system and may accelerate cardiovascular diseases, including atherosclerosis.

Publications

Refereed Journal Articles

Feresin, R., Huang, J., Klarich, D., Zhao, Y., Pourafshar, S., Arjmandi, B., & Salazar, G. (2016). Blackberry, raspberry and black raspberry polyphenol extracts attenuate angiotensin II-induced senescence in vascular smooth muscle cells. *Food and Function*, 13. doi:10.1039/c6fo00743k

Khamoui, A., Park, B., Kim, D., Yeh, M., Oh, S., Elam, M., Jo, E., Arjmandi, B., Salazar, G., Grant, S., Contreras, R., Lee, W., & Kim, J. (2016). Aerobic and Resistant Training Dependent Skeletal Muscle Plasticity in the Colon-26 Murine Model of Cancer Cachexia. *PlosOne*, 65 (5), 685-698. doi:10.1016/j.metabol.2016.01.014

Zhao, Y., Feresin, R., Falcon-Perez, J., & Salazar, G. (2016). Differential Targeting of SLC30A10/ZnT10 Heterodimers to Endolysosomal Compartments Modulates MEK/ERK1/2 activity. *Traffic*, 17 (3), 267-288. doi:10.1111/tra.12371

Salazar, G. (2015). Intracellular Zinc: A mediator of Vascular Aging and Disease? Editorial. *Atherosclerosis: Open Access*, 1(1), 1000e103.

- Forouzandeh, F., Salazar, G., Patrushev, N., Xiong, S., Hilenski, L., Fei, B., & Alexander, R. (2014). Metformin Beyond Diabetes: Pleiotropic Benefits of Metformin in Attenuation of Atherosclerosis. *J Am Heart Assoc (JAHA)*, 3, e001202.
- Xiong, S., Salazar, G., Patrushev, N., Ma, M., Forouzandeh, F., Hilenski, L., & Alexander, R. (2013). "Peroxisome Proliferator-Activated Receptor γ Coactivator-1 α Is a Central Negative Regulator of Vascular Senescence". *Arteriosclerosis, Thrombosis and Vascular Biology*, 33(5), 988-999.
- Zlatic, S., Grossniklaus, E., Ryder, P., Salazar, G., Mattheyses, A., Peden, A., & Faundez, V. (2013). "Chemical-Genetic Disruption of Clathrin Function Spares Adaptor Complex 3-Dependent Endosome Vesicle Biogenesis". *Molecular Biology of the Cell*, 24(15), 237-288.
- # Patrushev, N., Siedel-Rogol, B., & Salazar, G. (2012). "Angiotensin II Requires Zinc and Downregulation of the Zinc Transporters ZnT3 and ZnT10 to Induce Senescence of Vascular Smooth Muscle Cells". *Plos One*, 7(3), e33211.
- # Nazarewicz, R., Salazar, G., Patrushev, N., San Martin, A., Hilenski, L., Xiong, S., & Alexander, R. (2011). "Early endosomal antigen 1 (EEA1) is an obligate scaffold for angiotensin II-induced, PKC- α -dependent AKT activation in endosomes". *J. Biol. Chem*, 286(4), 2886-2895.
- # Xiong, S., Salazar, G., Patrushev, N., & Alexander, R. W. (2011). "FoxO1 mediates an auto-feedback loop regulating SIRT1 expression". *J. Biol. Chem*, 286(7), 5289-5299.
- # Cartier, E., Parra, L., Baust, T., Quiroz, M., Salazar, G., Faundez, V., Egana, L., & Torres, G. (2010). "A biochemical and functional protein complex involving dopamine synthesis and transport into synaptic vesicles". *J. Biol. Chem*, 285(3), 1957-1966.
- # Xiong, S., Salazar, G., San Martin, A., Ahmad, M., Patrushev, N., Hilenski, L., Nazarewicz, R., Ma, M., Ushio-Fukai, M., & Alexander, R. (2010). "PGC-1 α Ser570 phosphorylation and GCN5-mediated acetylation by Angiotensin II drive catalase downregulation and vascular hypertrophy". *J. Biol. Chem*, 285(4), 2474-2487.
- # Zlatic, S. A., Ryder, P. V., Salazar, G., & Faundez, V. (2010). "Isolation of labile multi-protein complexes by in vivo controlled cellular cross-linking and immuno-magnetic affinity chromatography". *J. Vis. Exp*, 37, e1855.
- # Newell-Litwa, K., Salazar, G., Smith, Y., & Faundez, V. (2009). "Roles of BLOC-1 and AP-3 Complexes in Cargo Sorting to Synaptic Vesicles". *Molecular Biology of the Cell*, 20(5), 1441-1453.

- # Salazar, G., Falcon-Perez, J., Harrison, R., & Faundez, V. (2009). "SLC30A3 (ZnT3) Oligomerization by Dityrosine Bonds Regulates its Subcellular Localization and Metal Transport Capacity". *PLoS One*, 4(6), e5896.
- # Salazar, G., Zlatic, S., Craige, B., Peden, A. A., Pohl, J., & Faundez, V. (2009). "Hermansky-pudlak syndrome protein complexes associate with phosphatidylinositol-4-kinase type II alpha in neuronal and non-neuronal cells". *J Biol Chem*, 284, 1790-1802.
- # Zhu, G., Salazar, G., Zlatic, S. A., Fiza, B., Doucette, M. M., Heilman, C. J., Levey, A. I., Faundez, V., & L'hernault, S. (2009). "SPE-39 Family Proteins Interact with the HOPS Complex and Function in Lysosomal Delivery". *Molecular Biology of the Cell*, 20(4), 1223-1240.
- # Craige, B., Salazar, G., & Faundez, V. (2008). "Phosphatidylinositol-4-Kinase Type II Alpha Contains an AP-3 Sorting Motif and a Kinase Domain that are both Required for Endosome Traffic". *Molecular Biology of the Cell*, (4), 1415-1426.
- # Berger, A. C., Salazar, G., Styers, M. L., Newell-Litwa, K. A., Maue, R. A., Corbett, A. H., & Faundez, V. (2007). "The AP-3 Adaptor Complex Regulates the Subcellular Localization of the Niemann-Pick Type C Proteins". *J of Cell Science*, 120(20), 3640-3652.
- # Procaccio, V., Salazar, G., Ono, S., Styers, M. L., Gearing, M., Davila, A., Jimenez, R., Juncos, J., Gutekunst, C. A., Meroni, G., Fontanella, B., Sontag, E., Sontag, J. M., Faundez, V., & Wainer, B. (2006). "A mutation of beta-actin that alters depolymerization dynamics is associated with autosomal dominant developmental malformations, deafness, and dystonia". *Am. J Hum. Genet*, 78(6), 947-960.
- # Salazar, G., Craige, B., Styers, M. L., Newell-Litwa, K. A., Doucette, M. M., Wainer, B. H., Falcon-Perez, J. M., Dell'Angelica, E. C., Peden, A. A., Werner, E., & Faundez, V. (2006). "BLOC-1 Complex Deficiency Alters the Targeting of Adaptor Protein Complex-3 Cargoes". *Molecular Biology of the Cell*, (9), 4014-4026.
- # Love, R., Salazar, G., & Faundez, V. (2005). "Neuronal zinc stores are modulated by non-steroidal anti-inflammatory drugs: an optical analysis in cultured hippocampal neurons". *Brain Res*, 1061(1), 1-12.
- # Salazar Aranda, G. A., Craige, B., Wainer, B. H., Guo, J., De Camilli, P., & Faundez, V. (2005). "Phosphatidylinositol-4-kinase type II alpha is a component of adaptor protein-3-derived vesicles". *Molecular Biology of the Cell*, 16(8), 3692-3704.
- # Salazar, G., Craige, B., Love, R., Kalman, D., & Faundez, V. (2005). "Vglut1 and ZnT3 co-targeting mechanisms regulate vesicular zinc stores in PC12 cells". *J of Cell Science*, 118(9), 1911-1921.

- # Salazar, G., Love, R., Styers, M. L., Werner, E., Peden, A., Rodriguez, S., Gearing, M., Wainer, B. H., & Faundez, V. (2004). "AP-3-dependent mechanisms control the targeting of a chloride channel (ClC-3) in neuronal and non-neuronal cells". *J Biol Chem*, 276(24), 25430-254239.
- # Salazar, G., Love, R., Werner, E., Doucette, M. M., Cheng, S., Levey, A., & Faundez, V. (2004). "The zinc transporter ZnT3 interacts with AP-3 and it is preferentially targeted to a distinct synaptic vesicle subpopulation". *Molecular Biology of the Cell*, 15(2), 575-587.
- # Styers, M. L., Salazar, G., Love, R., Peden, A. A., Kowalczyk, A. P., & Faundez, V. (2004). "The Endo-Lysosomal Sorting Machinery Interacts with the Intermediate Filament Cytoskeleton". *Molecular Biology of the Cell*, 15(12), 5369-5382.
- # Salazar, G., & Gonzalez, A. (2002). "Novel mechanism for regulation of epidermal growth factor receptor endocytosis revealed by protein kinase A inhibition". *Molecular Biology of the Cell*, 13(5), 1677-1693.
- # Canessa, M., Salazar, G., Werner, E., Vallega, G., Gonzalez, A., & Canessa, M. (1994). "Cell growth and Na-K-Cl cotransport responses of vascular smooth muscle cells of Milan rats". *Hypertension*, 23, 1022-1026.

Nonrefereed Book Chapters

- # Craige, B., Salazar, G., & Faundez, V. (2004). "Isolation of Synaptic Vesicles". In *Current Protocols in Cell Biology* (pp. Unit 3.12.1-3.12.17). Supplement 25.

Presentations

Invited Presentations at Conferences

For invited presentations at conferences, 100.0% were international in scope.

- Salazar, G. (presented 2014, June). *Impact of Zinc Deficiency in oxidative Stress and Vascular Aging*. Presentation at 15th International Symposium on Trace Elements in Man and Animals (TEMA 15), TEMA, Orlando, Florida. (International)
- # Salazar, G. (presented 2013, February). *"Zinc Status and Oxidative Stress Responses in Vascular Aging"*. Presentation at The Inorganic Face of Life: From Metalloproteins to Cells and Whole Organisms, 21st Annual Suddath Symposium 2013, Georgia Tech. (International)
- # Salazar, G. (presented 2010, November). *"Role of Zinc Homeostasis in Cellular Senescence Mechanisms Induced by Angiotensin II"*. Presentation at 60th Fujihara Seminar Zinc

Signal and Cellular Functions, The Fujihara Foundation of Science, Osaka, Japan.
(International)

- # Salazar, G., Craige, B., & Faundez, V. (presented 2007, October). "*Enzymatic regulation of the AP3 sorting machinery*". Presentation at XXI Annual Meeting of the Chilean Society for Cell Biology, Chilean Society for Cell Biology. (International)

Refereed Presentations at Conferences

For refereed presentations at conferences, 86.7% were international, 13.3% were national in scope.

Huang, J., Feresin, R. G., Zhao, Y., Pourafshar, S., Arjmandi, B. H., & Salazar, G. (presented 2016, April). *Blackberry polyphenols reduce Nox1 function to inhibit senescence in vascular smooth muscle cells*. Presentation at Annual Meeting Experimental Biology, Experimental Biology, San Diego, CA. (International)

Huang, J., Zhao, Y., Klarich, D. S., Pourafshar, S., Arjmandi, B. H., & Salazar, G. (presented 2016, April). *Berries Polyphenols Prevent Angiotensin II-Induced Senescence in Vascular Smooth Muscle Cells*. Poster presentation at Annual Meeting Experimental Biology, Experimental Biology, San Diego, CA. (International)

Salazar, G., Huang, J., & Zhao, Y. (presented 2016, April). *PGC-1alpha, a Novel Regulator of Autophagy*. Poster presentation at Annual Meeting Experimental Biology, Experimental Biology, San Diego, CA. (International)

Zhao, Y., Feresin, R. G., Falcon-Perez, J. M., & Salazar, G. (presented 2016, April). *Heterodimerization of SLC30A10/ZnT10 and SLC30A3/ZnT3 Modulates ERK1/2 Activity*. Poster presentation at Experimental Biology Annual Meeting, Experimental Biology, San Diego, CA. (International)

Akhavan, N., Feresin, R. G., Johnson, S., Pourafshar, S., Elam, M., Hsieh, Y. H., Salazar, G., & Arjmandi, B. H. (presented 2015, March). *Cornus officinalis Modulates the Production of Pro-Inflammatory Molecules in Lipopolysaccharide-Activated RAW264.7 Macrophages*. Presentation at 2015 Experimental Biology Annual Meeting, Experimental Biology, Boston, MA. (International)

Feresin, R. G., Zhao, Y., & Salazar, G. (presented 2015, March). *Black Raspberries Prevent Angiotensin II-Induced in Vascular Smooth Muscle Cells*. Presentation at 2015 Experimental Biology Annual Meeting, Experimental Biology, Boston, MA. (International)

Salazar, G., Zhao, Y., & Feresin, R. G. (presented 2015, March). *Increased Oxidative Stress and Vascular Aging by Zinc Deficiency in Mice*. Poster presentation at 2015 Experimental Biology Annual Meeting, Experimental Biology, Boston, MA. (International)

- Zhao, Y., Feresin, R. G., & Salazar, G. (presented 2015, March). *Zinc Overload Increases ROS Production and Induces Senescence by a Nox1-Dependent Mechanism in Vascular Smooth Muscle Cells*. Poster presentation at 2015 Experimental Biology Annual Meeting, Experimental Biology, Boston, MA. (International)
- Salazar Aranda, G., Falcon-Perez, J. M., & Zhao, Y. (presented 2014, September). *Targeting of the SLC30A/ZnT10 to endosomal and lysosomal compartments and its possible role in endosomal function*. Presentation at 4th International Society for Zinc Biology Meeting, International Society for Zinc Biology, Asilomar, California. (International)
- Khamoui, A. V., Kim, D. H., Yeh, M. C., Park, B. S., Oh, S. L., Elam, M. L., Worst, P. R., Jo, E., Myers, C. M., Arjmandi, B., Salazar, G., McCarthy, D. O., & Kim, J. S. (presented 2014, April). *Aerobic and Resistance Training Effects on Skeletal Muscle Plasticity in Colon-26 Tumor-Bearing Mice*. Poster presentation at 23rd Annual Meeting of the American College of Sport Medicine, American College of Sport Medicine, New Orleans, LA. (National)
- Forouzandeh, F., Patrushev, N., & Salazar, G. (presented 2013). *"Zinc Homeostasis Modulates Vascular Senescence and Atherosclerosis in ApoE KO mice"*. Poster presentation at 2013 AFAR Grantee Conference, American Federation for Aging Research, Santa Barbara, California. (International)
- Forouzandeh, F., Salazar, G., Patrushev, N., Xiong, S., Hilenski, L., & Alexander, R. W. (presented 2013). *"Metformin Attenuates Atherosclerosis and Vascular Aging Beyond Glycemic Control" Selected for oral presentation*. Presentation at Scientific Sessions 2013, American Heart Association, Dallas, Texas. (International)
- # Salazar, G. (presented 2012). *"Angiotensin II Requires Zinc and Downregulation of the Zinc Transporters ZnT3 and ZnT10 to downregulate catalase and Induce Senescence of Vascular Smooth Muscle Cells" Selected for oral presentation*. Presentation at International Society for Zinc Biology 2012 Conference, International Society for Zinc Biology, St Kilda Victoria, Australia. (International)
- # Xiong, S., Salazar, G., Patrushev, N., Ma, M., Hilenski, L., & Alexander, R. W. (presented 2011). *"Inhibition of FoxO1-SIRT1 Signaling by Sustained Acetylation of PGC-1 Alpha Promotes Angiotensin II-Induced Vascular Senescence"*. Poster presentation at Scientific Sessions 2011, American Heart Association, Orlando, Florida. (National)
- # Xiong, S., Salazar, G., & Alexander, R. W. (presented 2010). *"FoxO1 Mediates an Auto-feedback Loop Regulation of Sirt1 Expression"*. Poster presentation at Scientific Session 2010, American Heart Association, Chicago, Illinois. (National)
- # Nazarewicz, R. R., Salazar, G., Patrushev, N., Hilenski, L., San Martin, A., Xiong, S., Ushio-Fukai, M., & Alexander, R. W. (presented 2009). *"Central role of Early Endosomal Antigen 1 (EEA1) in organization of Angiotensin II signaling leading to Akt activation"*

in early endosome". Poster presentation at Scientific Sessions 2009, American Heart Association, Orlando, Florida. (National)

- # Salazar, G., & Faundez, V. (presented 2008). "*The zinc transporter 3 (ZnT3) sorting and transport activity are regulated by covalent ZnT3-oligomers*" *Selected for oral presentation*. Presentation at 13th International Symposium on Trace Elements in Man and Animals (TEMA 13), TEMA, Pucon, Chile. (International)
- # Salazar, G., Craige, B., & Faundez, V. (presented 2007). "*Enzymatic regulation of the AP-3 sorting machinery*". Poster presentation at FASEB Summer Research Conferences and Jacques Monod Conferences "Arf Family GTPases", FASEB, Ciocco, Italy. (International)
- # Salazar, G., Peden, A. A., Pohl, J., & Faundez, V. (presented 2007). "*Proteomic Analysis of the Supramolecular Organization of the AP-3 Adaptor Pathway*". Poster presentation at 47th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Newell-Litwa, K., Salazar, G., Craige, B., Werner, E., & Faundez, V. (presented 2006). "*Zinc Transporter 3 (ZnT3) Neuronal Vesicle Possess Dual v-SNAREs and SNARE regulators: Implications for the Traffic of ZnT3*". Poster presentation at Zinc Signals, International Society for Zinc Biology, Siena, Italy. (International)
- # Newell-Litwa, K., Chintala, S., Salazar, G., & Faundez, V. (presented 2006). "*Synaptic Vesicle Protein Targeting Regulation by the AP-3 and BLOC-1 Lysosomal Sorting Machinery*". Poster presentation at 47th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Salazar, G., Craige, B., Styers, M. L., Newell, K. A., Doucette, M. M., Wainer, B. H., Falcon-Perez, J. M., Dell'Angelica, E. C., Peden, A. A., Werner, E., & Faundez, V. (presented 2006). "*BLOC1 and AP-3-deficiencies Commonly Affect the Targeting of Endo-Lysosomal AP-3 Cargoes*". Poster presentation at Gordon Research Conference on LYSOSOMES & ENDOCYTOSIS, Gordon Research Conference, Proctor Academy, Andover, NH. (International)
- # Salazar, G., Craige, B., Wainer, B. H., Guo, J., de Camilli, P., & Faundez, V. (presented 2004). "*Identification and Proteomic Analysis of a Neuronal AP-3-Coated Vesicle Carrier*". Poster presentation at 44th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Salazar, G., Love, R., Styers, M., Werner, E., Peden, A. A., & Faundez, V. (presented 2003). "*Adaptor AP-3-dependent targeting of a Chloride channel to synaptic vesicles*". Poster presentation at 57th Annual Meeting and Symposium Society of General Physiologists, Society of General Physiologists, Woods Hole, Massachusetts. (International)

- # Salazar, G., Love, R., Cheng, S., Werner, E., Levey, A., & Faundez, V. (presented 2002). "*Zinc transporter 3 (ZnT3) defines a distinct synaptic vesicle population*". Poster presentation at 42nd American Society for Cell Biology Annual Meeting, American Society for Cell Biology, San Francisco, CA. (International)
- # Mardones, G. A., Salazar, G., Bravo-Zehnder, M., Soza, A., & Gonzalez, A. (presented 2001). "*Brefeldin A-Induced Tubules from Trans-Golgi Network Accumulated by PKA Inhibitors*". Poster presentation at 41st American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Garrido, J., Salazar, G., Gonzalez, A., & Cabello, A. (presented 1999). "*Growth factors, proliferation and differentiation in the ERG-2 gastric cell line*". Poster presentation at 39th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Salazar, G., & Gonzalez, A. (presented 1999). -"*Endocytosis and down-regulation of the EGF receptor (EGFR) are affected by the H89 inhibitor of protein kinase A (PKA)*". Poster presentation at 39th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Salazar, G., & Gonzalez, A. (presented 1997). "*Regulation of the EGF receptor (EGF-R) through novel cAMP mediated mechanism?*". Poster presentation at 37th American Society for Cell Biology Annual Meeting, American Society for Cell Biology, Washington, DC. (International)
- # Salazar, G., & Gonzalez, A. (presented 1995). "*Interaction of the EGF receptor and the cytoskeleton in diverse cell systems*". Presentation at VI Meeting of the Ibero American Society for Cell Biology, Ibero American Society for Cell Biology, Oaxtepec, Mexico. (International)

Invited Workshops

For invited workshops, 100.0% were regional in scope.

Salazar, G. (2015, May). *2015 Regional Seminar*. Workshop delivered at National Institute of Health, Baltimore, MA. (Regional)

Invited Lectures and Readings of Original Work

For invited lectures and readings of original work, 10.0% were international, 10.0% were national, 70.0% were regional, 10.0% were local in scope.

- Salazar, G. (2015, November). *Regulation of Nox1 Function and Vascular Aging by Nutritional Interventions: The Role of Zinc and Berry Polyphenols*. Delivered at Cardiology Division, Department of Medicine, Emory University, Atlanta, Georgia. (Regional)
- Salazar, G. (2014, February). *Novel role of PGC-1alpha in Mitochondrial Autophagy and Vascular Aging*. Delivered at 2) Nutrition, Food and Exercise in Health Seminar, NFES monthly seminar series, Florida State University. (Local)
- Salazar, G. (2013, November). *"Role of Zinc Deficiency in Vascular Aging and Atherosclerosis"*. Delivered at Department of Biological Sciences Seminar Series, College of Medicine, Florida State University. (Regional)
- Salazar, G. (2013). *"Mitochondrial Function, Autophagy and Metal Homeostasis: Novel Cross Talk in Vascular Aging"*. Delivered at Center for Diagnostic and Therapeutics, Georgia State University. (Regional)
- # Salazar, G. (2012). *"Role of Zinc Homeostasis dysfunction in Vascular Senescence Induced by Angiotensin II"*. Delivered at Department of Biological Sciences, Catholic University of Chile. (International)
- # Salazar, G. (2012). *"Zinc and oxidative stress in vascular senescence"*. Delivered at Internal Visiting Professor Pulmonary Division, Emory University. (Regional)
- # Salazar, G. (2011). *"Role of zinc homeostasis in cellular senescence mechanisms induced by angiotensin II"*. Delivered at Department of Nutrition and Health Sciences, University of Nebraska-Lincoln. (National)
- # Salazar, G. (2011). *"Role of Zinc Homeostasis in Vascular Senescence"*. Delivered at Cardiology Division, Cardiovascular Biology Seminar, Emory University. (Regional)
- # Salazar, G. (2008). *"Novel Regulation of Metal Transporter Function by Oxidative Stress. Implications of Zinc Homeostasis in endothelial cells"*. Delivered at Cardiology Division, Vascular Biology/Reactive Oxygen Society Seminars, Emory University. (Regional)
- # Salazar, G. (2006). *"Common Mechanisms of Vesicle Membrane Traffic Regulation by AP-3 and BLOC-1"*. Delivered at Department of Cell Biology, Emory University. (Regional)

Contracts and Grants

Contracts and Grants Funded

- Salazar, G (PI), & Muller-Delp, J (Co-PI). (May 2016–May 2017). *The Role of Adiponectin in Vascular Smooth Muscle Cell Senescence*. Funded by FSU Institute of Successful Longevity. Total award \$15,500.
- Salazar, G. (PI), & Feresin, R. G. (Co-I). (May 2015–Aug 2015). *COFRS: Determining the Protective Role of Various Berry Polyphenol Extracts in Vascular Senescence of Vascular Smooth Muscle Cells*. Funded by FSU CRC. Total award \$14,000.
- Feresin, R.G.: Co-Investigator.
- Salazar, G. (Apr 2015–Apr 2015). *Funding Agency Travel (FAT) Program*. Funded by Council on Research and Creativity, Florida State University. Total award \$1,000.
- Salazar, G (PI). (Jul 2014–Jun 2016). *PGC-1alpha in Autophagy and Atherosclerosis*. Funded by American Heart Association. Total award \$165,000.
- Salazar, G. (PI). (May 2014–Aug 2014). *"Determining the Role of Zinc Metabolism in Vascular Senescence Using ex-vivo Animal Models"*. Funded by Council on Research and Creativity, Florida State University. (FYAP). Total award \$20,000.
- # Salazar, G (PI). (Jul 2012–Jun 2015). *Zinc homeostasis Dysfunction in Vascular Aging*. Funded by American Federation for Aging Research (AFAR). Total award \$100,000.
- # Faundez, V. (PI), & Salazar, G. (Co-I). (2005–2009). *Mechanism of Endosome Trafficking in Neurons*. Funded by National Institute of Health. (RO1 NS42599-05). Total award \$1,520,200.

Contracts and Grants Pending

- Hwang, HS (PI), Salazar, G (Co-I), & Pinto, J (Co-I). (Sep 2016). *The Role of Macroautophagy on Intracellular Calcium defects in Ischemic Hearts*. Submitted to Searle Scholar Program, Kinship Foundation.
- Pinto, J (PI), Hwang, HS (Co-I), Salazar, G (Co-I), & Muller-Delp, J (Co-I). (Aug 2016). *Troponin I-Mediated Cardiac Myopathy Triggered by Tobacco Products and Cancer Treatments: A New DAMP*. Submitted to James and Esther King Biomedical Research Program, Florida Department of Health.
- Salazar, G (PI), Hwang, HS (Co-I), Pinto, J (Co-I), & Muller-Delp, J (Co-I). (Aug 2016). *Nutritional Interventions to Alleviate Cardiovascular Disease Mediated by Tobacco*

Use. Submitted to James and Esther King Biomedical Reserach Program, Florida Department of Health.

Salazar, G. (PI), & Arjmandi, BH (Co-I). (Jul 2016). *Protective Role Of Blackberry Polyphenols In Vascular Inflammation, Aging and Disease*. Submitted to National Institute of Food & Agriculture (USDA-AFRI).

Contracts and Grants Denied

Salazar, Gloria A (PI). (Feb 2016). *ZnT3 in Vascular Aging and Disease*. Submitted to National Institutes of Health, R15.

Salazar, Gloria (PI). (Apr 2015). *Protective Role of Berry Polyphenols in Vascular Inflammation, Aging and Disease*. Submitted to National Institute of Food and Agriculture (USDA-AFRI).

Sathe, Shridhar K (Co-PI), Rao, Qinchun (PI), & Salazar, Gloria (Co-PI). (Apr 2015). *Quality Assessment of Bioactive Peptides in Intermediate-Moisture Foods During Storage*. Submitted to National Institute of Food and Agriculture (USDA-AFRI).

Salazar, G. (Nov 2014). *The Protective Role of Grapes in Vascular Senescence. Feresin, R.G. (Co-Investigator)*. Submitted to California Table Grape Commission, Letter of Intent.

Salazar, G. (Feb 2014). *ZnT3 in Vascular Aging and Disease. ROI*. Submitted to NIH.

Postdoctoral Supervision

Feresin, R. (Aug 2014–May 2015).

Xiong, S. (2008–12).

Nazarewicz, R. (2008–11).

Highlighted Research

Feresin, R., Huang, J., Klarich, D., Zhao, Y., Pourafshar, S., Arjmandi, B., & Salazar Aranda, G. (2016). *"Blackberry, Raspberry and Blackraspberry Polyphenol Extracts Attenuate Angiotensin II-Induced Senescence in Vascular Smooth Muscle Cells"*.

Featured in the Cover Page of the Journal Food and Function.

Zlatic, S. A., Grossniklaus, E. J., Ryder, P. V., Salazar, G., Matteyses, A., Peden, A. A., & Faundez, V. (2013). *"Chemical-Genetic Disruption of Clathrin Function Spares*

Adaptor Complex 3-Dependent Endosome Vesicle Biogenesis". American Society for Cell Biology.

This paper was highlighted in the American Society for Cell Biology (ASCB) Newsletter on September, 2013 in the section Highlights from Molecular Biology of the Cell, page 50.

- # Craige, B., Salazar, G., & Faundez, V. (2008). "*Phosphatidylinositol-4-Kinase Type II Alpha Contains an AP-3 Sorting Motif and a Kinase Domain that are both Required for Endosome Traffic*". *Molecular Biology of the Cell*. Apr 19; (4): 1415-1426. American Society for Cell Biology.

This paper was highlighted in the American Society for Cell Biology (ASCB) Newsletter on April 2008 in the section InCytes from Molecular Biology of the Cell, page 25.

Service

Florida State University

FSU University Service

Mentor, Faculty Award (2014–present).

FSU College Service

Marshal, College of Human Sciences Summer Commencement (2014–2015).

FSU Department Service

Member, Department Executive Committee (2014–present).

Member, NFES Promotion and Tenure Committee (2014–present).

Member, Scholarship Committee (2014–present).

Member, NFES Chair Search committee (2014–2015).

Member, NFES Exercise Sciences Search committee (2014–2015).

Organizer, NFES monthly seminars (2014–2015).

NFES Representative, FSU Day at the Capital (2014).

The Profession

Editorial Board Membership(s)

Atherosclerosis: Open Access (2015–present).

Guest Reviewer for Refereed Journals

European Journal of Nutrition (Jun 2016–present).

The Journal of Nutrition (Jan 2016–present).

Journal of Cellular Physiology (Mar 2015–present).

Protist (Mar 2015–present).

Metallomics (2015–present).

PharmaNutrition (Oct 2014–present).

Molecular Brain (Feb 2014–present).

Antioxidant and Redox Signaling (2013).

Circulation Research (2012–13).

Journal of Cardiovascular Pharmacology (2012).

PlosOne (2012).

Current Target Drug Cancer (2011).

Journal of Cell Biology (2004–08).

Molecular Biology of the Cell (2004–08).

Judge for an Exhibition

Research and Creativity Day. Department of Nutrition, Food and Exercise Sciences: Florida State University (2015).

Reviewer or Panelist for Grant Applications

National Institute of Health, R13 ZHL1 CSR-I NHLBI Conference Grant Review Panel (2014–present).

American Heart Association, Cell Transport and Metabolism 1 Study Group (2012–present).

The Netherlands Organisation for Scientific Research (NWO/ZonMw) Vidi program (2015).

Service to Professional Associations

Abstract reviewer, 2015 Advances and Controversies in Clinical nutrition, American Society for Nutrition (2015–present).

Abstract Reviewer, Gerontological Society of America 66th Annual Scientific Meeting (2013–present).

Member of the Publication Committee, International Society for Zinc biology (2012–present).

Member of the Planning Committee for the 2014 annual meeting of the ISZB, International Society for Zinc Biology (ISZB) (2013–2014).

Volunteer in the International Affairs Committee (IAC), Host international students for the 2009 American Society for Cell Biology annual meeting, American Society for Cell Biology (2009).

Service to Other Universities

Poster Judge, *Postdoctoral Research Symposium Day, Emory University* (2013).

Faculty Development Award Subcommittee, *Emory University* (2012–2013).

Poster Judge, *Annual Cardiology Research Symposium, Emory University* (2012).

Poster Judge, *Annual Postdoctoral Fellow Research Symposium, Emory University* (2012).

Poster Judge, *Postdoctoral Research Symposium Day, Emory University* (2010).

Poster Judge, *Annual Department of Medicine Research Day, Emory University* (2009).

Poster Judge, *Student Research Symposium, Emory University* (2009).

Professional activities that occurred prior to my employment at FSU.