

Shariq I. Sherwani, MS, MBA, MACPR, MA

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Office

Ohio University
Scripps College of Communication
School of Communication Studies
400 Schoonover Center
20 E. Union St., Athens, OH 45701

EDUCATION

Doctor of Philosophy

May 2020

Communication Studies, Ohio University, Athens, Ohio

- Primary Area: Health Communication
- Secondary Area: Organizational Communication
- Chair: Dr. Benjamin R. Bates
- Committee Members: Dr. Lynn M. Harter, Dr. Stephanie A. Tikkanen, & Dr. Joseph A. Bianco

Master of Arts

December 2018

Communication Studies, Ohio University, Athens, Ohio

- Emphasis: Health Communication

Master of Applied Clinical and Preclinical Research

May 2016

Schools of Medicine, Nursing, and Pharmacy, The Ohio State University, Columbus, Ohio

- Emphasis: Clinical Research Management & Regulatory Affairs

Master of Business Administration

December 2012

Fisher College of Business, The Ohio State University, Columbus, Ohio

- Emphasis: Marketing Management

Master of Science

May 1998

Aligarh Muslim University, Aligarh, UP, India

- Emphasis: Agricultural Microbiology

Continuing Science Education

June 1992-May 1993 Harvard University, Cambridge, Massachusetts

- Emphasis: Molecular Biology
- Graduate Courses: Genetic Engineering, Biology of AIDS, Immunology, Chemical and Biological Evolution, Natural Sciences, Biostatistics, History of World War II: Pacific War, Topics in Science, Philosophy, and Religion in the Middle Ages.

Bachelor of Science (Honors)

May 1990

Aligarh Muslim University, Aligarh, UP, India

Emphasis: Botany (Major); Chemistry, Zoology, English (Minors)

EMPLOYMENT HISTORY

- Instructor-of-Record**, School of Communication Studies, Scripps College of Communication, Ohio University, Athens, Ohio, Fall 2016 – Present.
- Research Assistant**, Healthy Homes for Healthy Living (HHHL), Ecuador. This project involved evaluating messages for charitable giving, Fall 2018 – Spring 2019.
- Research Associate 2-B/H**, Division of Pulmonary Medicine, Ohio State University College of Medicine, Columbus, OH, June 2007 – January 2017.
- Research Associate 2-B/H**, Comprehensive Cancer Center, Ohio State University College of Medicine, Columbus, OH, October 2005 – June 2007.
- Senior Research Assistant**, DNA Core Facility, Department of Molecular Genetics, University of Cincinnati College of Medicine, Cincinnati, OH, February 2001 – October 2005.
- Medical Laboratory Assistant**, Research Center, Armed Forces Hospital, Ministry of Defense and Aviation, Riyadh, Saudi Arabia, September 1997 – March 2000.
- Research Assistant**, The Center for Blood Research, Harvard Medical School, Boston, MA, June 1992 – June 1994.
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SCHOLARLY INTERESTS

My present scholarly investigations and research interests focus on the following:

- Caregiver stresses of end stage renal disease patients: Quality of life and psychosocial outcomes
 - Transitioning from curative to palliative care for end stage renal disease patients: Uncertainty of patient-caregiver communication in shared decision-making
 - Health campaigns: Use of hope, fear, and humor appeals and stimuli in promoting healthcare messages and products toward targeted populations
 - Organizational leadership: Emotional intelligence, crucial conversations, and interpersonal communication
 - Leadership communication and conflict resolution
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TEACHING EXPERIENCE

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|---|------------------------------|
| • Fundamentals of Public Speaking | Ohio University / 6 sections |
| • Communication in Interpersonal Relationships (Online) | Ohio University / 1 section |
| • Communication in Interpersonal Relationships | Ohio University / 1 section |
| • Communication Among Cultures | Ohio University / 3 sections |
| • Communication and Persuasion | Ohio University / 1 section |
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CREATIVE ACTIVITY: DOCUMENTARY

Harter, L.M., Pangborn, S.M., & Shaw, E. (Producers/Directors), Yamasaki, J., Brewer, M., Hodson, T., (Associate Producers), Lippert, A., & **Sherwani, S.** (Assistant Producers). (2017). **Realistically ever after: A turn it gold movement**, Athens, OH: WOUB Public Media Center. A feature length film documenting the efforts of Turn it Gold as it elevates awareness about childhood cancer and survivorship. Turn it Gold partners with schools, athletic teams, and community members to communicate the hard facts of childhood cancer and increase funding for research. Trailer available: <https://www.youtube.com/watch?v=qskvQGUh5mo&feature=youtu.be>
National Distribution Distributed by National Education Television Association (NETA) to PBS affiliate stations beginning July 1, 2018 and remaining available for broadcast until July 2021.

PUBLICATIONS

- Bates, B. R., **Sherwani, S. I.**, & Grijalva, M. J. (2019). Charitable giving in the context of unfamiliar organizations: The effectiveness of construal level theory in predicting donating intentions and antecedents. *Manuscript submitted to the Journal of Public and Nonprofit Affairs for publication.*
- Sherwani, S. I.**, Marvel, D., Bates, B., & Grijalva, M. (2019). Driving their own future: An asset-based community development approach to socioeconomic upliftment of Chaquizhca, Ecuador. *Manuscript submitted to the Journal of Intercultural Communication Research for publication.*
- Sherwani, S. I.** (2019). Don't scare me, give me hope, and I will heal: Patient perceptions of their physicians and response to emotional appeals. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Comforting narratives for discomfoting bodies: Transitioning from being, to knowing, to telling. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). What's wrong with baseball? (Re)imagining, (re)experiencing, (re)communicating baseball. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Uncertainties of caregiver and patient stresses in end stage renal disease: Quality of life and psychosocial outcomes. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Transitioning from curative to palliative care for end stage renal disease patients: Uncertainty of patient-caregiver communication in shared decision-making. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Walking on eggshells: Uncertainties of emotional labor, caregiving, and quality of life. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Ethical analysis of Strong4Life childhood obesity health campaign. *Manuscript under preparation for publication.*
- Sherwani, S. I.** (2019). Organizational leadership: How organizational leaders use emotional intelligence, crucial conversations, and interpersonal communication in building and promoting organizations? *Manuscript under preparation for publication.*

- Sherwani, S. I.** (2019). Leadership communication and conflict resolution: How effective leaders establish immediacy and success? *Manuscript under preparation for publication.*
- Sherwani, S. I., & Smith, J. W.** (2018). Widening the dialogue and slimming the gap: Strong4Life childhood obesity health campaign. *Manuscript submitted to Journal of Intercultural Communication Research for publication.*
- Sherwani, S. I., & Khan, H. A.** (2016). Trace Amines in Neuropsychiatric Disorders. In T. Farooqui & A. A. Farooqui (Eds.), *Trace amines and neurological disorders*. San Diego, CA: Academic Press, 269-284, ISBN 9780128036037, <http://dx.doi.org/10.1016/B978-0-12-803603-7.00018-5>.
- Sherwani, S. I., Khan, H. A., Ekhzaimy, A., Masood, A., & Sakharkar, M. K.** (2016). Significance of HbA1c test in diagnosis and prognosis of diabetic patients. *Biomarker Insights, 11*, 95-104. doi: 10.4137/BMI.S38440. eCollection 2016.
- Sherwani, S. I., & Khan, H. A.** (2015). Modes of action of biopesticides. In L. Nollet, and H.S. Rathore (Eds.), *Biopesticides handbook*. Boca Raton, FL: CRC Press. Cat/ISBN: K20781/9781466596528.
- Sherwani, S. I., & Khan, H. A.** (2015). *Role of 5-hydroxymethylcytosine in neurodegeneration*. In G. Xu & C. Walsh (Eds.), *Gene, 570*, 17-24. doi: 10.1016/j.gene.2015.06.052. Epub 2015 Jun 23.
- Sherwani, S. I., Arif, I. A., & Khan, H. A.** (2015). Modes of action of herbicides. In A. Price, J. Kelton, and L. Sarunaite (Eds.), *Herbicides, physiology of action, and safety*. Croatia: InTech. ISBN 978-953-51-2217-3.
- Sherwani, S. I., Aldana, C., Usmani, S., Adin, C., Kotha, S., Khan, M., Eubank, T., Scherer, P. E., Parinandi, N., & Magalang, U. J.** (2013). Intermittent hypoxia exacerbates pancreatic β -cell dysfunction in a mouse model of diabetes mellitus. *SLEEP, 36*, 1849-1858.
- Sherwani, S. I., Pabon, S., Patel, R. B., Sayyid, M. M., Hagele, T., Kotha, S. R., Magalang, U. J., Maddipati, K. R., & Parinandi, N. L.** (2013). Eicosanoid signaling and vascular dysfunction: Methylmercury-induced phospholipase D activation in vascular endothelial cells. *Cell Biochemistry and Biophysics, 67*, 317-29.
- Dhawan, K., Das, A. M., **Sherwani, S. I.**, Kotha, S. R., Parinandi, N. L., & Magalang, U. J. (2011). Adipokines and Sleep Disorders. In V. Preedy (Ed.), *Modern insights into disease from molecules to man: Adipokines*. Channel Islands, British Isles: Science Publishers.
- Halberg, N., Khan, T., Trujillo, M. E., Wernstedt-Asterholm, I., Attie, A. D., **Sherwani, S.**, Wang, Z. V., Landskroner-Eiger, S., Dineen, S., Magalang, U. J., Brekken, R. A., & Scherer, P. E. (2009). HIF 1 alpha induces fibrosis and insulin resistance in white adipose tissue. *Molecular and Cellular Biology, 29*, 4467-83. doi: 10.1128/MCB.00192-09. Epub 2009 Jun 22.
- Mazerik, J. N., Hagele, T., **Sherwani, S.**, Ciapala, V., Butler, S., Kuppusamy, M. L., Hunter, M., Kuppusamy, P., Marsh, C. B., & Parinandi, N. L. (2007). Phospholipase A2 activation regulates cytotoxicity of methylmercury in vascular endothelial cells. *International Journal of Toxicology, 26*, 553-69.
- O'Connor Butler, E. S., Mazerik, J. N., Cruff, J. P., **Sherwani, S. I.**, Weis, B. K., Marsh, C. B., Schmid, H. H. O., & Parinandi, N. L. (2008). Lipoxygenase-catalyzed phospholipid peroxidation: Preparation, purification, and characterization of phosphatidylinositol peroxides. In R. M. Uppu, S. N. Murthy, and W. A. Pryor (Eds.), *Free radicals and antioxidants protocols: Methods in molecular biology series*. Totowa, NJ: Humana Press.

- O'Connor Butler, E. S., Mazerik, J. N., Cruff, J. P., **Sherwani, S. I.**, Weis, B. K., Marsh, C. B., Raghavamenon, A. C., Uppu, R. M., Schmid, H. H., & Parinandi, N. L. (2010). Lipoxygenase-catalyzed phospholipid peroxidation: Preparation, purification, and characterization of phosphatidylinositol peroxides. *Methods in Molecular Biology*, *610*, 387-401.
- Patel, R. B., Kotha, S. R., **Sherwani, S. I.**, Sliman, S.M., Gurney, T. O., Loar, B., Butler, S. O., Morris, A. J., Marsh, C. B., & Parinandi, N. L. (2011). Pulmonary fibrosis inducer, bleomycin, causes redox-sensitive activation of phospholipase D and cytotoxicity through formation of bioactive lipid signal mediator, phosphatidic acid, in lung microvascular endothelial cells. *International Journal of Toxicology*, *30*, 69-90. doi: 10.1177/1091581810388850. Epub 2010 Dec 3.
- Peltz, A., **Sherwani, S. I.**, Kotha, S. R., Mazerik, J. N., O'Connor Butler, E. S., Kuppusamy, M. L., Hagele, T., Magalang, U. J., Kuppusamy, P., Marsh, C. B., & Parinandi, N. L. (2009). Calcium and calmodulin regulate mercury-induced phospholipase D activation in vascular endothelial cells. *International Journal of Toxicology*, *28*, 190-206. doi: 10.1177/1091581809338077.
- Sliman, S. M., Eubank, T. D., Kotha, S. R., Kuppusamy, M. L., **Sherwani, S. I.**, Butler, E. S., Kuppusamy, P., Roy, S., Marsh, C. B., Stern, D. M., & Parinandi, N. L. (2010). Hyperglycemic oxoaldehyde, glyoxal, causes barrier dysfunction, cytoskeletal alterations, and inhibition of angiogenesis in vascular endothelial cells: Aminoguanidine protection. *Molecular Cellular Biochemistry*, *333*, 9-26.
- Sliman, S. M., Patel, R. B., Cruff, J. P., Kotha, S. R., Newland, C. A., Schrader, C. A., **Sherwani, S. I.**, Gurney, T. O., Magalang, U. J., & Parinandi, N. L. (2013). Adiponectin protects against hyperoxic lung injury and vascular leak. *Cell Biochemistry and Biophysics*, *67*, 399-414. doi: 10.1007/s12013-011-9330-1.
- Steinhour, E., **Sherwani, S. I.**, Mazerik, J. N., Ciapala, V., O'Connor Butler, E., Cruff, J. P., Magalang, U., Parthasarathy, S., Sen, C. K., Marsh, C. B., Kuppusamy, P., & Parinandi, N. L. (2008). Redox-active antioxidant modulation of lipid signaling in vascular endothelial cells: vitamin C induces activation of phospholipase D through phospholipase A2, lipoxygenase, and cyclooxygenase. *Molecular and Cellular Biochemistry*, *315*, 97-112. doi: 10.1007/s11010-008-9793-6. Epub 2008 May 22.

PRESENTATIONS

- Bates, B. R., **Sherwani, S. I.**, & Grijalva, M. J. (2019). Charitable giving in the context of unfamiliar organizations: The effectiveness of construal level theory in predicting donating intentions and antecedents. Paper accepted for presentation at the 105th National Communication Association, Baltimore, MD, November 14-17, 2019.
- Sherwani, S. I.** (2019). Don't scare me, give me hope, and I will heal: Patient perceptions of their physicians and response to emotional appeals. Paper accepted for presentation at the 105th National Communication Association, Baltimore, MD, November 14-17, 2019.
- Sherwani, S. I.** (2019). Comforting narratives for discomfoting bodies: Transitioning from being, to knowing, to telling. Paper accepted for presentation at the 83rd Ohio Communication Association, Cincinnati, OH, October 2019.

- Sherwani, S. I.** (2019). What's wrong with baseball? (Re)imagining, (re)experiencing, (re)communicating baseball. Paper accepted for presentation at the 83rd Ohio Communication Association, Cincinnati, OH on October 2019.
- Sherwani, S. I.,** Marvel, D., Bates, B., & Grijalva, M. (2018). Driving their own future: An asset-based community development approach to socioeconomic upliftment of Chaquizhca, Ecuador. Paper presented at the 104th National Communication Association convention, Salt Lake City, UT, November 08-11, 2018.
- Sherwani, S. I.,** & Smith, J. W. (2018). Widening the dialogue and slimming the pap: Strong4Life childhood obesity health campaign. Paper presented at the 104th National Communication Association convention, Salt Lake City, UT, November 08-11, 2018.
- Sherwani, S. I.** (2018). Invited presentation/training on "Public Speaking Training for Ohio University Multicultural Student Ambassadors," Ohio University, Athens, OH, January 21, 2018
- Abbott, J., Butler, S., Kotha, S., Gurney, T., **Sherwani, S. I.,** Magalang, U., & Parinandi, N. (2012). Polyunsaturated fatty acids (PUFA) suppress adiponectin secretion by adipocytes: involvement of lipid peroxidation. Poster presented at the Fifth Annual Translational to Clinical (T2C) Conference on Regenerative Medicine Wound Care held at The Ohio State University (OSU), Columbus, OH, March 23-24, 2012.
- Aldana, C., **Sherwani, S. I.,** Dhawan, K., Usmani, M. S., Parinandi, N., & Magalang, U. J. (2011). Intermittent hypoxia reduces adiponectin secretion by visceral white adipose tissue. Poster presented at the American Thoracic Society (ATS) meeting held at Denver, CO, May 15-22, 2011.
- Aldana, C., **Sherwani, S. I.,** Kotha, S., Butler, S., Dhawan, K., Parinandi, N., & Magalang, U. J. (2011). Effects of intermittent hypoxia on glucose tolerance and total fatty acids in the hyperinsulinemic male TALLYHO/JngJ mice. Poster presented at the American Thoracic Society (ATS) meeting held at Denver, CO, May 15-22, 2011.
- Bintzler, D., & **Sherwani, S.** (2002). Methods of improving base pair size calling accuracy in fragment analysis using the ABI model 377. Poster presented at the conference organized by the Association of Biomolecular Resource Facilities (ABRF) held at Austin, TX, March 10-12, 2002.
- Bintzler, D., Song, Y., **Sherwani, S.,** Ackerman, J., & Jordan, M. (2003). Protocols for measuring the quality and quantity of DNA templates used for automated DNA sequencing. Poster presented at a conference organized by the Association of Biomolecular Resource Facilities (ABRF) held at Denver, CO, February 10-13, 2003.
- Magalang, U. J., Bratasz, A. E., Cruff, J. P., **Sherwani, S. I.,** Parinandi, N. L., Marsh, C. B., & Kuppusamy, P. (2009). Measurement of intracellular oxygen tension in adipocytes during intermittent hypoxia: An electron paramagnetic resonance study. Oral invited presentation at the American Thoracic Society (ATS) meeting held at San Diego, CA, May 15-20, 2009.
- Magalang, U. J., Cruff, J. P., **Sherwani, S. I.,** Hunter, H., Dakhllallah, D., Marsh, C. B., & Parinandi, N. L. (2009). Continuous hypoxia suppresses high-molecular-weight adiponectin secretion by adipocytes. Poster presented at the American Thoracic Society (ATS) Meeting held at San Diego, CA, USA on May 15-20, 2009.
- Magalang, U. J., **Sherwani, S. I.,** Aldana, C., Usmani, M. S., Parinandi, N. L., Kotha, S., Eubank, T., & Baran, C. (2013). Intermittent hypoxia induces pancreatic β -cell

- dysfunction in a mouse model of type 2 diabetes mellitus. Poster presented at the DHLRI Research Day, OSU, on October 09, 2013.
- Magalang, U. J., **Sherwani, S. I.**, Aldana, C., Usmani, S., Parinandi, N., Kotha, S., Eubank, T., & Baran, C. (2012). Intermittent hypoxia induces pancreatic beta-cell dysfunction in a mouse model of type 2 diabetes mellitus. Poster presented at the American Thoracic Society (ATS) meeting held at San Francisco, CA on May 18-23, 2012.
- Magalang, U. J., **Sherwani, S. I.**, Aldana, C., Usmani, S., Parinandi, N., Kotha, S., Eubank, T., & Baran, C. (2011). Intermittent hypoxia induces pancreatic beta-cell dysfunction in a mouse model of type 2 diabetes mellitus. Poster presented at the DHLRI Research Day, OSU, on October 11, 2011.
- Magalang, U. J., **Sherwani, S. I.**, Usmani, S., & Parinandi, N. (2013). Intermittent hypoxia increases splicing of X-box-binding protein 1 in the adipose tissue of a mouse model of type 2 diabetes mellitus. Poster presented at the Thematic Poster session titled, Sleep Disordered Breathing, Epidemiology and Outcomes: Bench to Bedside at the American Thoracic Society (ATS) international conference held at Philadelphia, PA on May 17-22, 2013.
- Magalang, U.J., **Sherwani, S. I.**, Usmani, M. S., Scherer, P. E., & Parinandi, N. L. (2013). Intermittent hypoxia increases splicing of X-box-binding protein 1 in the adipose tissue of a mouse model of type 2 diabetes mellitus. Poster presented at the Davis Heart and Lung Research Institute (DHLRI) Research Day, OSU, on October 09, 2013.
- Patel, R., Kotha, S. R., **Sherwani, S.**, Khanna, S., Sen, S. K., Marsh, C. B., & Parinandi, N. L. (2009). Pulmonary fibrosis inducer, bleomycin, activates phospholipase D and generates bioactive lipid signal mediator, phosphatidic acid in lung microvascular endothelial cells. Poster presented at the Denman Research Forum, held at OSU, on May 13, 2009.
- Sayyid, M., **Sherwani, S. I.**, Cruff, J., Hunter, M., Dakhlallah, D., & Magalang, U. J. (2009). Continuous hypoxia suppresses adiponectin secretion by adipocytes. Poster presented at the Denman Research Forum, OSU, on May 13, 2009.
- Sherwani, S.** (1995). Malnutrition in AIDS patients: Prevention is better than cure. Oral invited presentation at the National Conference on Social and Preventive Medicine, held at Aligarh, India on March 14-15, 1995.
- Sherwani, S.** (2004). DNA Core Facility: The epicenter of scientific research. Oral invited presentation at the conference organized by the Department of Microbiology, Institute of Agriculture, Aligarh Muslim University, Aligarh, India on February 11, 2004.
- Sherwani, S.** (2005). DNA Core Facility: Function and role of DNA sequencing. Oral invited presentation at the Conference/Workshop organized by the University of Cincinnati (UC) DNA Core Facility, Cincinnati, OH held on March 15 and 22, 2005.
- Sherwani, S. I.**, & Parinandi, N, L. (2009). Plant phenolic radical scavenger activates cellular lipid signaling enzyme, phospholipase D. Oral invited presentation at the Society for Free Radical Research (SFRR) conference held at Lucknow, India on March 19-21, 2009.
- Sherwani, S. I.**, & Parinandi, N, L. (2009). Redox-active antioxidants induce bioactive lipid signal mediator generation: Phosphatidate signaling in vascular endothelial cells. Oral invited presentation at the Satellite Meeting of the Society for Free Radical Research (SFRR) held at Aligarh, India on March 17-18, 2009.
- Sherwani, S.**, Aldana, C., Sayyid, M., Piper, M., Dakhlallah, D., Scherer, P., Parinandi, N., & Magalang U. (2011). Continuous hypoxia suppresses adiponectin secretion by adipocytes

- through activation of the unfolded protein response. Poster presented at the American Thoracic Society (ATS) Meeting to be held at Denver, CO on May 15-22, 2011.
- Sherwani, S., & Parinandi, N.** (2008). Natural product, NDGA, a popular dicatechol antioxidant and lipoxygenase inhibitor, activates phospholipase D in vascular endothelial cells: Regulation of lipid signal mediator generation through oxidant generation and tyrosine kinase signaling. Oral invited presentation at the conference organized by the Society for Free Radical Research (SFRR) held at Jaipur, India on February 14-16, 2008.
- Sherwani, S., Liaugminas, A., Varadharaj, S., Kuppusamy, P., Magalang, U., Marsh, C., & Parinandi, N.** (2008). Lipoxygenase inhibitor, NDGA, induces formation of lipid signal mediator, phosphatidic acid, in lung endothelial cells. Poster presented at the American Thoracic Society (ATS) Meeting held at Toronto, Canada on May 17-21, 2008.
- Sherwani, S., Liaugminas, A., Varadharaj, S., Kutala, V., Kuppusamy, P., Magalang, U., Marsh, C., & Parinandi, N.** (2007). Lipoxygenase inhibition by classic polyphenol LOX inhibitor, nordihydroguaiaretic acid, activates phospholipase D in vascular endothelial cells: Involvement of oxidative stress and protein tyrosine kinase signaling. Poster presented at a conference organized by the Michigan Society of Toxicology (MSOT) held at Michigan State University, East Lansing, MI on November 09, 2007.
- Sherwani, S., Liaugminas, A., Varadharaj, S., Steinhour, E., Kutala, V., Kuppusamy, P., & Parinandi, N.** (2007). Lipoxygenase inhibitor induces formation of bioactive lipid signal mediator, phosphatidic acid, in lung endothelial cells. Poster presented at the 2nd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day held at OSU, on September 28, 2007.
- Sherwani, S., Pabon, S., Kuppusamy, M., Sayyid, M., Kotha, S., Maddipati, M., & Parinandi, N.** (2008). Heavy metal-mediated lipid signaling in vascular endothelial cells: Methylmercury-induced phospholipase D regulation by phospholipase A₂ and eicosanoids. Presentation at the 15th Meeting of the Society for Free Radical Biology and Medicine (SFRBM) held at Indianapolis, IN on November 19-23, 2008.
- Sherwani, S., Pabon, S., Kuppusamy, M., Sayyid, M., Kotha, S., Maddipati, K., & Parinandi, N.** (2008). Bioactive lipid signal mediator formation is induced by environmental trace metal: Mercury activates phosphatidic acid through arachidonic acid metabolites. Poster presented at the 3rd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day held at OSU, on September 19, 2008.
- Sherwani, S., Pabon, S., Sayyid, M., Kuppusamy, M., Kotha, S., Maddipati, K., & Parinandi, N.** (2008). Heavy metal-mediated lipid signaling in vascular endothelial cells: Phospholipase A₂ and eicosanoids regulate phospholipase D activation. Oral presentation at the 3rd Annual DHLRI Research Retreat held at OSU, on October 28, 2008.
- Shidham, A., Parinandi, N., & Sherwani, S.** (2008). Methylmercury-induced dysfunction of blood vessel cells: Implications in cardiovascular diseases. Presentation at the Proceedings of the Army Science Conference (26th) held at Orlando, FL, on December 01-04, 2008.

REGULATORY AND MANAGEMENT COMMUNICATION EXPERIENCE

- As a Co-Investigator (Co-I) in the clinical research protocol titled, “Caregiver stresses of end stage renal disease patients: Quality of life and psychosocial outcomes”, which was a

part of my MACPR graduate degree (completed: May 2016) capstone project, I had conceived, written and submitted the entire clinical research protocol at OSU, which was approved on December 08, 2015, in the process, acquiring necessary regulatory compliance experience.

- I plan to continue my “Caregiver stresses of ESRD patients” project, focusing on the caregiver stresses and patient communication, as part of my PhD exploration after submitting and obtaining the approval for a new institutional review board (IRB) at Ohio University (OU), Athens, OH.
- Researcher, “Effects of Chemotherapy on Sleep in Breast Cancer Survivors” clinical research study at OSU in which I communicated and administered the psychomotor vigilance test (PVT) to the patients (research study participants) and processed all the clinical samples, 2015-2016.

FUNDING AND GRANTS

Sherwani, S. I. (2018). Awarded **\$500** (full amount requested). Ohio University Graduate Student Travel Grant (used for travel to NCA 2018, Salt Lake City, UT).

Sherwani, S. I. (2017). Awarded **\$300** (full amount requested). Ohio University Scripps College of Communication Diversity Committee Grant (used for travel to Health Conference, Aspen, CO, July 29 – 31, 2017).

Note: I have been a contributing member of several large NIH grant projects (RO1, R332, etc.), which were awarded, to my principal investigators (PIs).

ADMINISTRATIVE EXPERIENCE

- **Regulatory and Administrative Requirements** for laboratory and clinical research, including codes for federal regulations (CFRs), DHLRI, OSU, 2014-2016
- **Member**, Shared Equipment Committee, Davis Heart and Lung Research Institute (DHLRI), OSU, 2012-2016
- **Emergency and Fire Evacuation Coordinator**, DHLRI, OSU, 2012-2016
- **Shared Equipment Validator and Troubleshooting Communicator** (autoclaves, plate-readers, hoods), DHLRI, OSU, 2012-2016
- **Organizer**, research conferences, meetings and coordinating and communicating with principal investigators (PIs), researchers, administrative staff and representatives of various vendors, DHLRI, OSU, 2010-2016
- **eRequest Ordering System and Environmental Health Services (EHS)** management system, DHLRI, OSU, 2010-2016

SERVICE

- **Service to the Discipline of Communication**
 - Lead Presenter and Facilitator at the 2019 Spotlight on Learning Conference of the simulation activity, “Win As Much As You Can: A Classic Conflict

Simulation Competition,” based upon “A Prisoner’s Dilemma,” which trains people in experiencing the merits and complications of cooperation and collaboration both in group and between groups, held at OU, Athens, OH, on April 30, 2019.

- Invited Guest Lecture on “Global Advocacy Project: Childhood Malnutrition in India,” in Dr. Aden’s COMS 3600 class, Ohio University, on MAR 28, 2019.
 - Invited Guest Lecture on “Health Campaigns: Race, Rhetoric, and Repercussions,” in Dr. Smith’s COMS 4800 Capstone class, Ohio University, on FEB 26, 2019.
 - Invited Guest Lecture on “Mediated Health Campaigns: Important, Intervention, and Impact,” in SMART Dialogue Series, Ohio University, FEB 06, 2019.
 - Invited Guest Lecture on “Strong4Life Childhood Obesity Health Campaign,” in Dr. Smith’s COMS 4530 class, Ohio University, on MAR 20, 2018.
 - Covering COMS 1100 class for Kelley Macek, OU, on APR 05, 2019.
 - Covering COMS 2060 class for Valerie Rubinsky, OU, on NOV 13, 2018.
 - Covering COMS 1100 class for Nicole Hudak, OU, on OCT 11, 2017.
 - Covering COMS 1030 class for Senoumou Keita, OU, on NOV 27, 2018.
 - COMS 1030 class for colleague, Kelley Macek, on OCT 13, 2017.
 - COMS 1030 class for colleague, Heather Batin, on date FEB 02, 2018.
 - COMS 1100 class for colleague, Marion Mendy, on SEP 15, 2018.
 - Invited talk on “Exploring Different Strategies associated with oral articulation, interviewing, and public speaking,” at Athens High School, Athens, OH, on SEP 26, 2018.
- **Service to the Discipline of Public Health and Medicine**
 - Policy paper on “childhood malnutrition in India” (2019) to use as a training tool for affected populations and also for advocacy.
 - Involved with and conducted 7 clinical studies in the areas of obesity, diabetes, sleep apnea including the multinational clinical study, Genetics of obstructive sleep apnea (OSA) and associated comorbidities,” at OSU, under the auspices of Sleep Apnea Global Interdisciplinary Consortium (SAGIC).
 - Dual specialization in Regulatory Affairs (RA) and Clinical Research Management (CRM) as part of my Master of Applied Clinical and Preclinical Research (MACPR) graduate degree at OSU (2016) has allowed me to understand the detailed federal, local and university regulations that must be communicated and implemented as part of the ongoing clinical research/trials.
 - Apart from my clinical experience and MACPR (specializing in Regulatory Affairs) graduate degree coursework, I have assimilated broad knowledge of University policies, federal regulations such as 21 CFR (11, 50, 54, 56, 312, 812), 45 CFR 46, and the ethical guidance that govern the conduct of human subjects’ research such as ICH E6 GCP.
 - Highly knowledgeable about university policies and procedures, FDA regulations, GCP, HIPAA, IRB, CDC and NIH guidelines related to human subjects’ research.
 - Experienced in planning and conducting clinical research compliance audits to ensure protocol and regulatory compliance and communicating and coordinating with them to resolve any lingering issues.

- With my knowledge and experience, I am equipped to communicate, coordinate and prepare principal investigators (PIs) and study staff for external quality assurance and regulatory audits and provide them with guidance and assist them with corrective action plans following the audits.
 - Able to identify training and educational needs regarding clinical research compliance and guide the investigators and study staff as per the regulations and requirements.
 - Able to develop, implement and conduct training, education and mentoring sessions to secure compliance from COM faculty and staff.
 - Able to meet with faculty and staff to facilitate appropriate regulatory safeguards and disseminate educational materials, regulation and policy updates and address related issues and conduct seminars.
 - Considerable experience in an academic clinical research setting for communicating, coordinating with potential collaborators and collecting and analyzing data to support the research compliance plan.
 - Able to evaluate impact of regulatory requirements for continuous quality improvement and perform other duties as assigned to support COM Office of Research Compliance.
 - Meet and communicate with auditing officers and be a representative of the search committee while entertaining potential candidates for various appointments at OSU.
- **Service to the Discipline of Publications**
 - **Journal Reviewer for:** (a) *Gene*, (b) *Food and Chemical Toxicology*, (c) *International Journal of food Properties* (d) *Toxicology Mechanisms and Methods* (e) *Saudi Journal of Biological Sciences* (f) *Oxidative Medicine and Cellular Longevity*, and (g) *Scientific World Journal*.

INVITED SPEAKING ENGAGEMENTS

- **Panelist:** Instructional living: Teaching experiences from different perspectives, on AUG 14, 2019.
- **Lead Presenter and Facilitator:** 2019 Spotlight on Learning Conference of the simulation activity, “Win As Much As You Can: A Classic Conflict Simulation Competition,” based upon “A Prisoner’s Dilemma,” which trains people in experiencing the merits and complications of cooperation and collaboration both in group and between groups, held at OU, on APR 30, 2019.
- **Invited Guest Lecture:** “Global Advocacy Project: Childhood Malnutrition in India,” in Dr. Aden’s COMS 3600 class, OU, on MAR 28, 2019.
- **Invited Guest Lecture:** “Health Campaigns: Race, Rhetoric, and Repercussions,” in Dr. Smith’s COMS 4800 Capstone class, OU, on FEB 26, 2019.
- **Invited Guest Lecture:** “Mediated Health Campaigns: Important, Intervention, and Impact,” in SMART Dialogue Series, OU, on FEB 06, 2019.
- **Webinar Presenter:** Learning and teaching experiences in the COMS PhD program on OCT 19, 2018.

- **Panelist:** Instructional living: Teaching experiences from different perspectives, on AUG 15, 2018.
 - **Invited Guest Lecture:** “Strong4Life Childhood Obesity Health Campaign,” in Dr. Smith’s COMS 4530 class, OU, on MAR 20, 2018.
 - **Invited Speaker:** Society for Free Radical Research (SFRR), Jaipur, RJ, India, on FEB 14-16, 2008.
 - **Invited Speaker:** Society for Free Radical Research (SFRR) Satellite Meeting, Aligarh Muslim University, Aligarh, UP, India, on MAR 17-18, 2009.
 - **Invited Speaker:** SFRR Meeting, Lucknow, UP, India, on MAR 19-21, 2009.
 - **Invited Speaker:** SFRR Meeting, Hyderabad, AP, India, on JAN 11-13, 2010.
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INVITED JUDGING ENGAGEMENTS

- **Invited Judge:** Annual Ohio Forensics Association Speech Tournament, OU, on JAN 27, 2017.
 - **Invited Judge:** 8th Annual Research Day, Davis Heart and Lung Research Institute, The OSU, on OCT 09, 2013.
 - **Invited Judge:** Poster Competition, Society for Free Radical Research (SFRR) Meeting, Lucknow, India, on MAR 19-21, 2009.
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CONFERENCES / WORKSHOPS / TRAININGS

- **Teacher Training Academy Certificate:** Certificate awarded for completing The School of Communication Studies Teacher Training Academy (TTA), held at OU, on Aug 08-19, 2016.
- **Tools of the Trade: Advancing your Career in Biomedical Research.** How to submit a research protocol, get your manuscript published and write grants, workshop held at OSU, on June 03, 2014.
- **Core Management Training Workshop Series:** A 3-session series focused on Core business plan and model, held at OSU, on April 22, April 29 and May 06, 2014.
- **Clinical Research Orientation:** An introduction to clinical research principles, held at OSU, on April 02-03, 2014.
- **Research Day at the Davis Heart and Lung Research Institute** held at OSU, on October 09, 2013.
- **Food Innovation Center meeting** titled, “Food for Billions: Feeding Nine Billion People by 2050”, held at OSU, on September 12, 2013.
- **Research Day at the Davis Heart and Lung Research Institute** held at OSU, on October 11, 2011.
- **Workshop on Discovery, Innovation, and the Business of Medicine** held at DHLRI, OSU, on June 25, 2010.
- **Workshop on Commercialization and Incubation of Intellectual Property in Health Care and Medical Businesses** held at the Biomedical Research Tower, OSU, on July 30, 2010.

- Workshop on Innovation Practice and Process: A Patient & Caregiver-Centric Approach held at the Biomedical Research Tower, OSU, on August 20, 2010.
- Workshop on Allocating Research Resources: Evaluating, Attracting, and Researching Funding held at DHLRI, OSU, on October 8, 2010.
- Workshop on The Crucial Role of Intangibles in the Health Care Innovation Value Chain at DHLRI, OSU, on October 29, 2010.
- 11th Annual OSUWMC Trainee Research Day held at OSU, on April 18-19, 2012.
- Fifth Annual Translational to Clinical (T2C) Conference on Regenerative Medicine Wound Care held at OSU, on March 23-24, 2012.
- American Thoracic Society (ATS) Conference held at Denver, CO, on May 15-22, 2011.
- Mini Symposium and Workshop on the Novel Applications of LCM organized by the Laser Capture Microscopy Core (Center for Clinical and Translational Science) and Carl Zeiss Microimaging Inc., held at OSU, on June 01-02, 2010.
- Society for Free Radical Research (SFRR) Meeting held at Hyderabad, India, on February 12-15, 2010.
- Society for Free Radical Research (SFRR) Meeting held at Lucknow, India, on March 19-21, 2009.
- Satellite Meeting of the Society for Free Radical Research (SFRR) held at Aligarh Muslim University, Aligarh, UP, India, on March 17-18, 2009.
- 3rd Annual DHLRI Research Retreat held at OSU, on October 28, 2008.
- 3rd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day held at OSU, on September 19, 2008.
- United States-Japan Society for the Promotion of Science (US-JSPS) EPR Core-to-Core Symposium/Conference held at OSU, on May 25-27, 2008.
- American Thoracic Society (ATS) conference held at Toronto, Canada, on May 17-21, 2008.
- Society for Free Radical Research (SFRR) Meeting held at Jaipur, India, on February 14-16, 2008.
- Michigan Society of Toxicology (MSOT) conference held at Michigan State University (MSU), East Lansing, MI, on November 09, 2007.
- 2nd Annual Pulmonary, Allergy, Critical Care and Sleep Research Day held at OSU, on September 28, 2007.
- Conference/Workshop organized by the University of Cincinnati (UC) DNA Core Facility, Cincinnati, OH, held on March 15 and 22, 2005.
- The Institute for Genomic Research's (TIGR) 15th Annual International Genome Sequencing and Analysis Conference (GSAC XV) held at Savannah, GA, on September 21-24, 2003.
- Association of Biomolecular Resource Facilities (ABRF) conference held at Denver, CO, on February 10-13, 2003.
- The Institute of Genomic Research's (TIGR) 14th Annual International Genome Sequencing and Analysis Conference (GSAC XIV) held at Boston, MA, on October 02-05, 2002.
- Association of Biomolecular Resource Facilities (ABRF) conference held at Austin, TX, on March 09-12, 2002.

- National Conference on Social and Preventive Medicine (NCSPM), held at Aligarh, India, on March 14-15, 1995.
 - World Congress of Dermatology (WCD), held at the Jacob Javits Center, New York City, NY, on June 13-18, 1992.
 - National Conference/Workshop on Biotechnology (NCWB), held at the Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh, India, on May 08-15, 1991.
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PROFESSIONAL EXPERIENCE

- Extensive experience in various microbiological, biochemical, molecular, cellular, immunological, biomedical and laboratory research techniques and practices such as, tissue and cell culture (maintaining various cell lines), BSL2 facility, Western, Northern and Southern blots, PAGE, genotyping, confocal imaging microscopy, TLC, staining, cell morphology imaging, sleep apnea mouse modeling and experimentation, non-invasive blood pressure monitoring (NIBP), IPGTT, ITT, human and mouse ELISAs, fatty acids analysis, etc.
- Experienced in managing a research laboratory, conflict resolution, and training graduate & undergraduate students, post-docs, research scientists, clinical fellows and residents in various research techniques.
- Familiar with eRequest system for ordering laboratory supplies, from OSU eStores, outside vendors, Hospital Pharmacy-Main (for procuring controlled substances) and submitting samples (slides) for histopathology, DNA sequencing, etc.
- Managing, maintaining and organizing the lab, lab space and shared equipment (–80C freezers, liquid nitrogen freezers and incubators). My experience of coordinating the shared equipment for DHLRI would be tremendously helpful in contributing toward the continued success of a research laboratory and projects.
- Experienced in training all the laboratory personnel in Radiation Safety, Research Biosafety, Chemical Hygiene Plan (CHP), Environmental Health and Safety (EHS), IACUC requirements, Personal Protective Equipment (PPE), lab protocols, and SOPs.
- Experienced in recruiting human participants for clinical studies and clinical trials.
- Familiar with the regulatory affairs, codes for federal regulations (CFRs), IRB & ethics committee requirements, investigational new drug (IND) application requirements, investigational device exemption (IDE) application requirements and putting-together informed consents and SOPs.
- Trained and experienced in working with mice models of various diseases, different mice strains, maintaining a mouse colony and conducting various *in vivo*, *ex vivo* and *in vitro* experiments, including administration of different controlled substances and drugs in rats and mice.
- Trained and experienced in working with mice models and rats of various diseases, different mice strains, maintaining a mouse colony and conducting various *in vivo*, *ex vivo*, and *in vitro* experiments, including administration of different controlled substances and drugs in mice and rats.
- Helping the Principal Investigators (PIs) with writing major grants and projects for

funding and managing various personnel, scheduling, and resolving various conflicts in the lab.

- Writing and editing manuscripts, book chapters, review articles and reports for publications.
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MEMBERSHIPS

- National Communication Association: 2017 – Present
 - Ohio Communication Association: 2019 – Present
 - Former Member, American Thoracic Society (ATS)
 - Former Member, American Society of Microbiology
 - Associate Member, Food Innovation Center
 - Member, International Society for Environmental Information Sciences
 - Member, World Environmental Organization
 - Member, International Conservation Society
 - Member, British Science Association
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EDITING

- Editor, Core Times, the official Newsletter of the UC DNA Core Facility, from 2001-2005.
 - Editor, University of Cincinnati DNA Core User's Manual, made available to customers in 2006.
 - Editor-in-Chief, TechSpot, the official Newsletter of the Indian Engineers Forum, Riyadh Chapter, Kingdom of Saudi Arabia, from 1998-2000.
 - Editor-in-Chief, Directory and Souvenir, Aligarh Muslim University Alumni Association, Eastern and Central Provinces, Kingdom of Saudi Arabia, published in 1998.
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MENTORING

- Mentoring a first year PhD student 2017-2018.
- Supervised, taught and trained an Upper Arlington High School student (A. Shidham) at OSU, for a research project titled, "Methylmercury-Induced Dysfunction of Blood Vessel Cells: Implications in Cardiovascular Diseases". *This research (paper) was selected to represent the state of Ohio at a national high school competition held at Orlando, Florida on December 01-04, 2008. His project was then selected to represent the US at an international high school competition held at London. The student was awarded a \$25,000 scholarship, travelled to London to present his research as part of the competition (all expenses paid) and published the article in the Proceedings of the Army Science Conference (26th) held at Orlando, FL on Dec. 01-04, 2008.*
- Supervised, 1st place finish in undergrad category of 2011 DHLRI Research Day Poster Competition hosted by the Davis Heart & Lung Research Institute, OSU, Oct 11, 2011.

- Supervised, coached, and trained an OSU student to a first-place finish in the Undergraduate Category of the 2011 DHLRI Research Day Poster Competition organized by the Davis Heart & Lung Research Institute, OSU on October 11, 2011.
 - Mentored several MD, PhD and other graduate students, post-docs, clinical fellows, residents and 14 undergraduate students in conducting basic and clinical research.
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VOLUNTEERING

- Volunteered at Ohio University Booth at NCA 2018 to recruit graduate students.
 - Volunteered at Ohio University Booth at NCA 2017 to recruit graduate students.
 - Volunteered to engage with a prospective PhD student to help recruit during their visit to Ohio University, answered their questions, and took them to lunch during 1-hour visit.
 - Volunteered to engage with another prospective PhD student to help them recruit to our program by speaking with them over the telephone/texts several times.
 - Volunteered to pick-up, help, and guide a 1st year PhD student by taking them to lunch, sign lease paperwork, open bank account, shopping, and helping them settle on the first day of their arrival in Athens.
 - Voluntary teaching for educating the University of Cincinnati's prospective students (graduate, undergraduate, high school and middle school) about the exciting world of genetics and DNA Sequencing, as part of their UC visit, May 2004.
 - Voluntary teaching during University of Cincinnati's Annual Yeast Fest and introduced the young students to the world and wonders of science, May 2005.
 - Interviewed on Radio Riyadh (Saudi Arabia) about the nostalgic experiences in the wake of forced relocation (wars, refugees, and immigrants) to a new land, and other related issues that people with forced relocation and migration endure.
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REFERENCES

Available upon request.