

ALI A. ALSHAMRANI, Ph.D.

Assistant Professor of Pharmacology

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Education:

- 2018 Doctor of Philosophy in Pharmacy, College of Pharmacy, The University of Georgia, Athens, GA, USA.
- 2005 - 2010 Bachelor Degree in Pharmaceutical Sciences, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

Academic and Professional Appointments:

- 2019 - Present Assistant professor of Pharmacology, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2019 Distant Academic Writing Advisor for 5 Saudi Graduate Students studying abroad, Rawasen Initiative, Saudi Academics, Riyadh, Saudi Arabia.
- 2018 - 2019 Graduate Teaching Assistant, Department of Cellular Biology, The University of Georgia, Athens, GA, USA.
- 2010 - 2018 Teaching Assistant, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

Editorial Experience:

- 2019 Reviewer, Molecular Cancer Research, The American Association for Cancer Research (AACR), USA.

- 2019 Reviewer, Saudi International Pharmaceutical Sciences Meeting and Workshops (SIPHA), Riyadh, Saudi Arabia.
- 2017 Reviewer at the Pharmaceutical & Biomedical Sciences Research Day Symposium, College of Pharmacy, The University of Georgia, Athens, GA, USA.

Administrative Experience:

- 2020 - Present Executive Director for Public Relations and Communications, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2020 - Present Chairman, Graduate Programs Quality and Development Committee, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2020 - Present Member, Graduate Programs Advisory Board, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2019 - 2020 Member, College of Pharmacy Annual Report Committee, King Saud University, Riyadh, Saudi Arabia.
- 2019 - 2020 Vice-Chairman, Students Academic Advisory Committee, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia
- 2019 - 2020 Member, Scientific Research Proposals and Theses Review Committee, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2019 - 2020 Chairman, Syllabi Evaluation Committee for the Bachelor & Graduate Programs, Department of Pharmacology & Toxicology, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2019 Member, Health Science Colleges Admission Committee, King Saud University, Riyadh, Saudi Arabia.
- 2018 - 2019 Board Member, International Students Advisory Board (ISAB), The University of Georgia, Athens, GA, USA.
- 2015 - 2016 Research Instructor, Department of Pharmaceutical & Biomedical Sciences, College of Pharmacy, The University of Georgia, Athens, GA, USA.
- 2015 - 2016 Cultural Relations Head Advisor, The Saudi Students Association at the University of Georgia, Athens, GA, USA.

- 2014 Member, Teacher of The Year Selection Committee, College of Pharmacy, University of Georgia, Athens, GA, USA.
- 2013 Coordinator of the 1st Saudi Quality Forum, Regulatory Science Research Unit, College of pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2011 - 2012 Official Representative of the newly enrolled Saudi students, The University of Washington, Seattle, WA, USA.
- 2011 Member, Foundation for International Understanding Through Students (FIUTS), The University of Washington, Seattle, WA, USA.
- 2009 - 2010 Assistant of the Vice Dean for Development and Quality, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.
- 2006 - 2009 Member, Pharmacy Club, College of Pharmacy, King Saud University, Riyadh, Saudi Arabia.

Recognition Awards:

- 2019 Recipient of one of 12 awards for developing an innovative Software (out of 464 projects nationwide) from The Digital Food & Drug Incubator, Saudi Food & Drug Administration, Riyadh, Saudi Arabia.
- 2019 Nominated by the head of the Department of Pharmaceutical & Biomedical Sciences to receive *Excellence in Research by Graduate Students Award* offered by the Graduate School at the University of Georgia, Athens, GA, USA.
- 2019 Nominated by the Department of Pharmaceutical & Biomedical Sciences to receive *Robert C. Anderson Memorial Award* offered by the Office of Research at the University of Georgia, Athens, GA, USA.
- 2018 - 2019 Recipient of Graduate Assistantship Award, Graduate School, The University of Georgia, Athens, GA, USA.
- 2017 Recipient of Travel Award from the Department of Pharmaceutical & Biomedical Sciences, College of Pharmacy at The University of Georgia to attend the Society for Neuroscience Conference in Washington, DC, USA.

- 2015 - 2018 Recipient of Out-of-State Tuition Waiver Award, Graduate School, The University of Georgia, Athens, GA, USA.
- 2014 - 2015 Financial Aid Award, The Office of Student Financial Aid (OSFA), The University of Georgia, Athens, GA, USA.
- 2012 Merit Excellence Award, Educational Outreach, The University of Washington, Seattle, WA, USA.
- 2011 - 2012 Outstanding Student Award, Educational Outreach, The University of Washington, Seattle, WA, USA.
- 2011 - 2018 Doctoral Degree Scholarship award from King Saud University and the Ministry of Higher Education Scholarship, Riyadh, Saudi Arabia.

Publications:

Alshamrani, Ali A. "Roles of microRNAs in Ovarian Cancer Tumorigenesis: Two Decades Later, What Have We Learned?." *Frontiers in Oncology* 10 (2020).

AlAsmari, A.F., Ali, N., AlAsmari, F., AlAnazi, W.A., Alqahtani, F., Alharbi, M., Alotaibi, F.M., Aldossari, A.A., AlSwayyed, M., Alanazi, M.M. and **Alshamrani, A.A.**, 2020. Elucidation of the Molecular Mechanisms Underlying Sorafenib-Induced Hepatotoxicity. *Oxidative Medicine and Cellular Longevity*, 2020.

Imam, Faisal, Naif Obaid Al-Harbi, Mohammad Rashid Khan, Wajhul Qamar, Metab Alharbi, **Ali A. Alshamrani**, Hussain N. Alhamami, Nasser Bader Alsaleh, and Khalid Saad Alharbi. "Protective Effect of RIVA Against Sunitinib-Induced Cardiotoxicity by Inhibiting Oxidative Stress-Mediated Inflammation: Probable Role of TGF- β and Smad Signaling." *Cardiovascular toxicology* (2019): 1-10.

Ali A. Alshamrani, James L. Franklin " Membrane depolarization inhibits BIM_{EL} upregulation but prevents neuronal apoptosis primarily by increasing cellular GSH levels" (Submitted to the *Molecular Neurobiology*)

Byrnes, Charnel C., Wei Jia, **Ali A. Alshamrani**, Sudeepti S. Kuppa, and Mandi M. Murph. "miR-122-5p Expression and Secretion in Melanoma Cells is Amplified by the LPAR3 SH3 Binding Domain to Regulate Wnt1." *Molecular Cancer Research* (2018)

Ali A. Alshamrani, James L. Franklin, Aaron M. Beedle and Mandi M. Murph “Inhibiting Lactate Dehydrogenase A Enhances the Cytotoxicity of the Mitochondria Accumulating Antioxidant, Mitoquinone, in Melanoma Cells”. Chapter in “Human Skin Cancer, Potential Biomarkers and Therapeutic Targets” book, 2016.

Mandi M. Murph, Guowei W. Jiang, Molly K. Altman, Wei Jia, Duy T. Nguyen, Jada M. Fambrough, William J. Hardman, Ha T. Nguyen, Sterling K. Tran, **Ali A. Alshamrani**, Damian Madan, Jianxing Zhang, and Glenn D. Prestwich “Vinyl sulfone analogs of lysophosphatidylcholine irreversibly inhibit autotaxin and prevent angiogenesis in melanoma”. *Bioorg Med Chem.* 2015.

Molly K. Altman, **Ali A. Alshamrani**, Wei Jia, Ha Nguyen, Jada M. Fambrough, Sterling K. Tran, Mihir Patel, Pooya Hoseinzadeh, Aaron M. Beedle, and Mandi M. Murph “Suppression of the GTPase-activating protein RGS10 increases Rheb-GTP and mTOR signaling in ovarian cancer cells”. *Cancer Lett.* 2015.

Al-Arif, Mohamed N., Zaid H. Maayah, **Ali A. Alshamrani**, and Hesham M. Korashy. "Impact of cigarette smoke exposure on the expression of cardiac hypertrophic genes, cytochrome P450 enzymes, and oxidative stress markers in rats" *The Journal of toxicological sciences* 37, no. 5 (2012): 1083-1090.

Previous and Current Professional Affiliations:

- American Association of Pharmaceutical Scientists (AAPS)
- American Association for Cancer Research (AACR)
- Society for Neuroscience (SFN)
- Pharmaceutical and Biomedical Student Organization (PBSO)
- Saudi Pharmaceutical Society (SPS)
- Saudi Students Association (SSA)

Workshops and Professional Training:

2020 Successfully completed and received a passing grade in Statistics and R online course offered by Harvard X, Harvard University, United States.

- 2020 Completion of 35 hours Project Management Professional (PMP) online training Course, Almujaaz High Training Institute, Riyadh, Saudi Arabia.
- 2019 Completion of 35 hours Project Management Professional (PMP) training workshop, King Saud University, Riyadh, Saudi Arabia.
- 2019 Successfully completed two online CITI programs ; Biomedical Responsible Conduct of Research and Biomedical Data or Specimens Only Research, Collaborative Institutional Training Initiative (CITI), Florida, United States.
- 2019 Completion of the 13th Mandatory Academic workshops for new faculty, King Saud University, Riyadh, Saudi Arabia.
- 2011- 2012 Intensive Business English Programs, The University of Washington, Seattle, WA, USA.
- 2010 Mandatory Infection Control workshop, King Fahad Medical City, Riyadh, Saudi Arabia.
- 2009 - 2010 Sales Training Program in Elli Lilly pharmaceutical Company, Riyadh, Saudi Arabia.
- 2009 - 2010 Diploma in the Art and Science of Neuro Linguistic Programming, The International NLP Trainers Association, Riyadh, Saudi Arabia.
- 2009 - 2010 Self-developmental training courses by ADEX International Training Institute, Riyadh, Saudi Arabia.
- 2009 NOVARTIS Scholarship Summer Training Program, Riyadh, Saudi Arabia.
- 2009 Critical Thinking workshop, Fast Learn Canadian Institute, Riyadh, Saudi Arabia.

Conferences and Symposia:

- 2020 Pharmacy Education and Board Certification: Driving Practice Change, IVPN Network (Online).
- 2019 Guidelines for Good Pharmacovigilance Practices (GVP) and Signal Management Update, 5th Scientific Meeting For Medication Safety, King Saud University, Riyadh, Saudi Arabia.
- 2019 SOPA Oncology Pharmacy Practice Management Meeting, Riyadh, Saudi Arabia.

- 2019 Global Health Exhibition and Congress, Ministry of Health, Riyadh, Saudi Arabia.
- 2018 Presenter at the Annual Graduate Students & Postgraduates Research Day Symposium, The University of Georgia, Athens, GA, USA.
- 2017 Presenter at the Integrative Research and Ideas Symposium, Georgia Center for Continuing Education, The University of Georgia, Athens, GA, USA.
- 2017 Presenter at The Annual Meeting of the Society for Neuroscience (SFN), Washington, D.C., USA.
- 2016 Precision Medicine Series: Targeting the Vulnerabilities of Cancer, American Association for Cancer Research (AACR), Miami, FL, USA.
- 2016 International Drug Discovery Symposium, College of Pharmacy, The University of Georgia, Athens, GA, USA.
- 2015 Presenter at The University of Georgia Center for Drug Discovery Conference, Georgia Center for Continuing Education, Athens, GA, USA.
- 2014 Presenter at the Pharmaceutical & Biomedical Sciences Research Day Symposium, College of Pharmacy, The University of Georgia, Athens, GA, USA.
- 2013 Pharmaceutical & Biomedical Sciences Research Day Symposium, College of Pharmacy, The University of Georgia, Athens, GA, USA.
- 2010 8th International Saudi Pharmaceutical Conference, Riyadh, Saudi Arabia.
- 2010 1st International Cardiovascular Pharmacotherapy Conference and Exhibition, Riyadh, Saudi Arabia.
- 2009 King Saud University Students Research Preparatory Symposium, Riyadh, Saudi Arabia.
- 2009 1st International Conference in Biotechnology, Riyadh, Saudi Arabia.
- 2008 Medication Safety in Saudi Arabia Conference, Riyadh, Saudi Arabia.

- 2008 1st International Pharmacy Conference, Riyadh Military Hospital, Riyadh, Saudi Arabia.
- 2008 Steps Toward Applying Pharmaceutical Care in Our Hospitals Symposium, Riyadh, Saudi Arabia.
- 2008 Psychiatric Pharmacy Conference, Riyadh, Saudi Arabia.
- 2007 Evidence Based Medicine Conference, Riyadh, Saudi Arabia.
- 2007 Saudi Clinical Pharmacy Club 1st Research Day Symposium, Riyadh, Saudi Arabia.
- 2007 7th International Saudi Pharmaceutical Conference, Riyadh, Saudi Arabia.
- 2005 The 9th International Pharmaceutical Sciences Conference & Exhibition; Future of Medications in the 21st Century, Riyadh, Saudi Arabia.