

Amjad Bazzari, PhD



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Languages

English – Fluent
Arabic – Native

Summary

Dr. Amjad Bazzari holds a Doctor of Pharmacy (PharmD) degree from the University of Jordan with a GPA of 3.94/4.00 and received the Educational Excellence Award for the Top of Class Achievement for PharmD class of 2016. Dr. Bazzari also holds a Master of Science Degree – with Distinction in Pharmacology from Aston University (Birmingham, UK). He was awarded the International Studentship Bursary for High Caliber Students from Aston University for his PhD research. In Jan 2021, Dr. Bazzari received his Doctor of Philosophy (Ph.D.) in the field of Neurophysiology and Translational Neuroscience from Aston University (Birmingham, UK), in which he developed novel models for Neural Plasticity using advanced and complex laboratory protocols and software and presented his work in international conferences and peer-reviewed papers. Dr. Bazzari is also an active member of multiple national and international societies and associations including the British Neuroscience Association (BNA) and American Psychological Association (APA).

Academic Experience

1. Assistant Professor (Full Time) - 10/2022 to current, Applied Science University, Amman, Jordan.

2. Assistant Professor (Full Time – 1 year contract) - 09/2021 to 09/2022, Faculty of Medicine, Arab American University, Palestine.

Taught Courses:

- Systems Physiology (Medicine Students)
- Physiology I+II (Dentistry Students)
- Human Physiology (Allied Medical Sciences Students)

3. Assistant Professor (Part Time) - 02/2021 to 06/2021, Faculty of Pharmacy, Al-Quds University, Palestine.

Taught Courses:

- Introduction to Physiology (Pharmacy Students)
- Pharmacology II (Pharmacy Students)

Education

- **Ph.D.** Physiology (Translational Neuroscience) – with Distinction, Class of 2021, Aston University, Birmingham, England, United Kingdom.
- **MSc.** Pharmacology – with Distinction, Class of 2017, Aston University, Birmingham, England, United Kingdom.
- **BSc.** Doctor of Pharmacy (PharmD) – Excellent (GPA 3.94/4.00), Class of 2016, University of Jordan, Amman, Jordan.
- **High School** (Tawjihi) – GPA (97.1/100), Class of 2011, Al-Ittihad Secondary School, Amman, Jordan.

Research & Laboratory Skills

- Whole-cell patch clamping.
- Calcium Imaging (chemical and genetically encoded indicators).
- Electrophysiology (patch-clamp and microelectrode array recording).
- Intracellular staining and visualization.
- Animal handling and surgery (PIL-A, B & C personal license).
- Behavioral Tests (Animal Models).
- Biochemical Analysis (ELISA, Western Blot, PCR).
- Histopathological Examination (H&E, TB, Immunohistochemistry).
- Statistical Analysis (Prism, Sigma Plot).
- Experimental design and method development.
- Strong knowledge in neuroscience and systems pharmacology.

Research Interests

Neurophysiology, Neuropharmacology, Cognitive Neuroscience and Neuro-degenerative/psychiatric disorders (behavioral and experimental approaches).

Additional Experiences

- Hardware and software system setup of patch-clamp workstation and microelectrode arrays.
- Intracortical injection and viral transfection surgical procedure competency.
- Collaborations: electrophysiological characterization of hiPSC-derived neurons and astrocytes; the effects of NIR LASER on synaptic potentiation in acute slices.
- ICDL-Certificate (Syllabus 5.0, MS-Office 2010), with extra module titled "Health Information System Usage".
- Public Speaking and Conference presentation.

Awards

- Educational Excellence Award and Certificate for the Top of Class Achievement for Pharm.D class of 2016/2017 from the University of Jordan.
- Awarded the International Studentship Bursary for high caliber students from Aston University.

Professional Memberships

- Member of the Jordanian Pharmacists Association (JPA).
- Member of the Palestinian Pharmacists Association (PPA).
- Member of the British Neuroscience Association (BNA).
- Member of the American Psychological Association (APA).

Peer-Reviewed Publications

Journal Articles:

- **Bazzari, A.H.**, Bazzari F.H. (Accepted). COVID-19 and Burnout Among Community Pharmacists in West Bank - Palestine. *Jornal of The Arab American University*, (In Press).
- Bazzari, F.H., **Bazzari A.H.** (Accepted). Non-genetic Risk Factors for Dementia and Alzheimer's Disease. *Jordan Medical Journal*, (In Press).
- Butcher, J., Sims, R., Ngum, N., **Bazzari, A.H.**, Jenkins, S.I., King, M.C., Hill, E.J., Nagel, D., Fox, K., Parri, H.R. and Glazewski, S., (2022). A requirement for Astrocyte IP3R2 signaling for whisker experience-dependent depression and homeostatic upregulation in the mouse barrel cortex. *Front Cell Neurosci*, 16, 905285.
- **Bazzari, A.H.**, Bazzari, F.H., (2022). BDNF Therapeutic Mechanisms in Neuropsychiatric Disorders. *Int J Mol Sci*, 23(15), 8417.
- **Bazzari, A.H.**, Bazzari, F.H. (2022). Advances in targeting central sensitization and brain plasticity in chronic pain. *Egypt J Neurol Psychiatry Neurosurg*. 58, 38.
- Bazzari, F. H., **Bazzari, A.H.** (2022). Lucid dreaming and associated sleep and dream factors among university students in West Bank Palestine. *Int J Dream Res*. 15(1), 1–8
- **Bazzari A.H.**, Parri H.R. (2019). Neuromodulators and Long-Term Synaptic Plasticity in Learning and Memory: A Steered-Glutamatergic Perspective. *Brain Sci*. 9(11), 300.
- Bazzari F.H., **Bazzari A.H.** (2019). Orofacial neuropathic pain: a pharmacological approach. *S. Afr. Pharm. J*. 86(4): 23–28.
- **Bazzari, A.H.**, Bazzari, F.H., (2018). Medicinal plants for Alzheimer's disease: An updated review. *J Med Plant Stud*, 6(no. 2 Part B), pp. 81–85.
- Bazzari, F.H., **Bazzari, A.H.**, (2018). Drug-Induced Delirium: A Mini Review. *BMH Med J*, 5(2), pp. 51–56.
- **Bazzari, A.H.**, Bazzari, F.H., (2017). Promising Therapeutic Agents: Delta Opioid Receptor Agonists. *Int Ann Med*, 1(8).

Conferences:

- Bazzari F.H., Zerbinato F., **Bazzari A.H.** (2022). "Assessing burnout and anxiety levels in community pharmacists following COVID-19 pandemic: a cross-sectional study in Veneto region, Italy", 80th FIP World Congress. Sevilla, Spain.
- Bazzari F.H., **Bazzari A.H.** (2022). "Personal and occupational changes among community pharmacists during COVID-19", 80th FIP World Congress. Sevilla, Spain.
- **Bazzari A.H.**, Hill E.J. and Parri H.R. (2020). "Astrocytes and Long-Term Synaptic Plasticity in the Somatosensory Cortex", FENS 2020. Glasgow, UK.
- **Bazzari A.H.**, Hill E.J. and Parri H.R. (2019). "The Roles of Astrocytes in Long-Term Synaptic Plasticity in the Somatosensory Cortex", BNA 2019 Festival of Neuroscience. Dublin, Ireland.

References

Available on Request.