

Dr. Hadeel Ebrahim Alyenbaawi

Current address: Majmah, Saudi Arabia

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Language Skills:

Language	Read	write	Speak	Understand
English	Yes	Yes	Yes	Yes
Arabic	Yes	Yes	Yes	Yes

Degrees and Education:

2015/07 – 2020/5: Doctorate, Doctor of Philosophy, Medical sciences with specialization in Medical Genetics, University of Alberta, Edmonton, Canada.

2012/01 – 2015/ 05: Master, Master of Science, Laboratory Medicine and pathology with specialization in Molecular Pathology, University of Alberta, Edmonton, Canada.

2010/06 – 2011/08: English for Academic Purpose (LEAP) program, Langara College, Vancouver, Canada.

2010/03 – 2010/05: TOFFEL Diploma and English communications program, Pacific Gateway International College, Vancouver, Canada.

2006- 2009: Bachelor's, Bachelor of Science with Honors, Microbiology, Taibah University, Madinah, Saudi Arabia.

2005: High school diploma, Taibah Scientific High School, Madinah, Saudi Arabia.

Employment and experiences:

2021/02 to present: Assistant professor, Majmah University, Saudi Arabia.

2011 – 2021/01: Teaching assistant position , Majmaah University, Majmaah, Saudi Arabia.

2009: Two-month practical training, Department of Microbiology, Medical Laboratories of King Fahad Hospital, Madinah, Saudi Arabia.

Awards and Scholarships:

2021/4: Med Star Graduate Student Award (Recognize the excellence of research done by graduate students in in the Faculty of Medicine & Dentistry (FoMD) at the University of Alberta), Canada.

2012/1- 2020/2: Scholarship (for master and PhD) from Government of Saudi Arabia through Majmaah University, Saudi Arabia

2019/07: Award for best oral presentation (1st place) at Medical Genetics Research Day, University of Alberta, Edmonton, Canada

2016/06 – 2019/06: Research financial supports for PhD's student, Government of Saudi Arabia through the Saudi Cultural Bureau, Ottawa, Canada.

2017: Kevin Lewis & Catherine Field Medical Genetics Research Fund.

2014: Bell-McLeod Professional Development Funding award

2014: Research financial support for MSc student, Government of Saudi Arabia through the Saudi Cultural Bureau, Ottawa, Canada.

2013: Award for an outstanding oral presentation at Macgregor Research day, Laboratory Medicine and Pathology, Edmonton, Canada.

2010-2011: Scholarship from the Ministry of Higher Education to study in Canada, Saudi Arabia.

Conferences and Presentations:

2019: “Understanding prion-like mechanisms in traumatic brain injury using a novel in vivo model” (accepted abstract for oral presentations), Medical Genetics research day, University of Alberta, Edmonton, Canada.

2019: “Understanding prion-like mechanisms in traumatic brain injury using a novel in vivo model” (accepted abstract for poster), Prion 2019 congress, Edmonton, Canada.

2018: “Towards a tauopathy biosensor model in Zebrafish” (accepted abstract for poster), Medical Genetics Research day, University of Alberta, Edmonton, AB, Canada.

2018: “Towards an in vivo biosensor for prion-like tauopathy” (poster presentation), APRI Scientific meeting, Calgary, Canada.

2017: “Alzheimer’s modelling in Zebrafish” (accepted abstract for poster), 3rd Zebrafish for Personalized/Precision Medicine Conference & 2nd Zebrafish Neuroscience Workshop, Toronto, Canada.

2017: “Towards a tauopathy biosensor model in Zebrafish” (accepted abstract for oral), Medical Genetics Research day, University of Alberta, Edmonton, AB, Canada.

2017: “Tauopathies modelling in Zebrafish” (oral presentation), Medical Genetics student seminar series, University of Alberta, Edmonton, Canada.

2017: “Towards an in vivo biosensor for prion-like tauopathy” (poster presentation), APRI Scientific meeting, Edmonton, Canada.

2016: “Alzheimer’s modelling in Zebrafish” (accepted abstract for poster), Richard E. Peter Biology Conference, Edmonton, AB, Canada.

2016: “Alzheimer’s modelling in Zebrafish” (accepted abstract for poster), Medical Genetics Research day, University of Alberta, Edmonton, AB, Canada.

2016: “Towards a model of AD and Tauopathy Biosensor in Zebrafish” (oral presentation), seminar series at Center for Prion and Protein Folding Diseases, Edmonton, AB, Canada.

2015: “Towards an in vivo biosensor for prion-like tauopathy” (poster presentation), APRI Scientific meeting, Calgary, Canada.

2014: DRiVE (Discovery, Research, Innovation and Education), University of Alberta, Edmonton, AB, Canada. (attended)

2013: “The correlation between p53 status and CHIP expression in breast cancer cells” (accepted abstract for oral), Macgregor Research day in Laboratory Medicine and Pathology, Edmonton, Canada.

2013: “The role of p53 status on CHIP expression in breast cancer” (accepted abstract for poster), Alberta Cancer Foundation Conference, Banff, Canada.

2012: Macgregor Research day at Laboratory Medicine and Pathology, University of Alberta, Edmonton, Canada. (attended)

2010: 24th Conference of Saudi Society for Life Sciences, “Biotechnology Reality and Applications”, Taibah University in Madinah, Saudi Arabia (attended).

Credentials, certifications and professional development:

2021: Janelia workshop on cellular mechanisms of brain-body interactions, virtual (attended).

2016: Medical Genetics Ethics Training Workshop, University of Alberta, Edmonton, Canada.

2015: Part I and II of University of Alberta’s Institutional Animal User Training Program (Core stream & Fish), Edmonton, Canada.

2015: E-training workshop titled Springer Link Online Platform

2013: Workshops for Academic writing and oral presentations, Success Center, University of Alberta, Edmonton, Canada.

2013: Level one of the Teaching and Learning program for graduate students, University of Alberta, Edmonton, Canada.

2012: Member of Golden Key International Honor Society

2012: Concepts in Biosafety Training program, University of Alberta, Edmonton, Canada.

2008: Two-months ESL study program, Direct English School, Madinah, Saudi Arabia.

2008: Learn the Skills of Creative Thinking, three-days’ workshop, Saudi Arabia

Computer/Laboratory Skills:

- Zebrafish maintenance, engineering transgenic and mutants models using genetic editing tools such as CRISPR/Cas9.

- Knowledge and expertise in molecular biology techniques including immunoblotting, Immunoprecipitation (IP), Immunohistochemistry (IHC), cloning, cell culture works, HRM, and PCR.

-Extensive knowledge of various computer programs.

Publications:

- **MSc Thesis:** “The Regulation of p53 by E3 ligases MDM2 and CHIP in Breast Cancer Cells: Analysis of the Role of Hsp70 and Hsp90”
- **Published abstract #44: Hadeel Alyenbaawi, W. Ted Allison** “Understanding prion-like mechanisms in traumatic brain injury using a novel in vivo model”, (2019) PRION 2019 emerging concepts, Prion, 13:sup1, 1-141, DOI: 10.1080/19336896.2019.1615197
- **Research paper: Alyenbaawi H, Kanyo R, Locskai LF, Kamali-Jamil R, DuVal MG, Bai Q, Wille H, Burton EA, Allison WT.** Seizures are a druggable mechanistic link between TBI and subsequent tauopathy. **Elife.** 2021 Feb 2;10:e58744. doi: 10.7554/eLife.58744. PMID: 33527898; PMCID: PMC7853719 (**Impact factor:** 6.830)
- **Published Review paper: Alyenbaawi, H.; Allison, W.T.; Mok, S.-A.** Prion-Like Propagation Mechanisms in Tauopathies and Traumatic Brain Injury: Challenges and Prospects. **Biomolecules** 2020, 10, 1487. <https://doi.org/10.3390/biom10111487> (**Impact factor:** 4.082 (2019))