

ABDALLA WEDN

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EDUCATION

- Doctor of Philosophy (PhD) in Pharmacology and Chemical Biology** Aug 2021 - Present
University of Pittsburgh, School of Medicine, Pittsburgh, PA
cGPA: 4:00
- Master of Science (MSc) in Pharmacology and Toxicology** Aug 2015 - Aug 2019
Alexandria University, Faculty of Pharmacy, Alexandria, Egypt
cGPA: 3.88
- Bachelor of Science (BS) in Clinical Pharmacy and Pharmaceutical Sciences** Aug 2009 - June 2014
Alexandria University, Faculty of Pharmacy, Alexandria, Egypt
cGPA: 4:00 (Distinction with Honor)
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WORK EXPERIENCE

- Teaching Assistant, University of Pittsburgh School of Medicine** Aug 2022 - June 2023
- Assistant Lecturer, Alexandria University, Faculty of Pharmacy** Aug 2019 - Present
- Teaching Assistant, Alexandria University, Faculty of Pharmacy** Oct 2015 - Aug 2019
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PUBLICATIONS

- Chang AC, Balic M, ..., **Wedn AM**, Wells A, Yates ME, Xavier J, Lee AV, Oesterreich S. Hope for OTHERS (Our Tissue Helping Enhance Research & Science): research results from the University of Pittsburgh rapid autopsy program for breast cancer. *Breast Cancer Res.* 2025 Jun 19;27(1):111.
- Puthanmadhom NS, **Wedn AM**, Shah OS, Chen J, Brown DD, McAuliffe PF, Oesterreich S, Lee AV. Transcriptomic analysis identifies enrichment of cAMP/PKA/CREB signaling in invasive lobular breast cancer. *Breast Cancer Res.* 2024 Oct 30;26(1):149.
- He X, **Wedn A**, Wang J, Gu Y, Liu H, Zhang J, Lin Z, Zhou R, Pang X, Cui Y. IUPHAR ECR review: The cGAS-STING pathway: Novel functions beyond innate immune and emerging therapeutic opportunities. *Pharmacol Res.* 2024 Mar;201:107063.
- Wu Y, Li Z, **Wedn AM**, Casey AN, Brown D, Rao SV, Omarjee S, Hooda J, Carroll JS, Gertz J, Atkinson JM, Lee AV, Oesterreich S. FOXA1 Reprogramming Dictates Retinoid X Receptor Response in ESR1-Mutant Breast Cancer. *Mol Cancer Res.* 2023 Jun 1;21(6):591-604.
- El Far MS, Zakaria AS, Kassem MA, **Wedn A**, Guimei M, Edward EA. Promising biotherapeutic prospects of different probiotics and their derived postbiotic metabolites: in-vitro and histopathological investigation. *BMC Microbiol.* 2023 May 3;23(1):122.
- Wedn AM**, El-Bassossy HM, Eid AH, El-Mas MM. Modulation of preeclampsia by the cholinergic anti-inflammatory pathway: Therapeutic perspectives. *Biochem Pharmacol.* 2021 Oct;192:114703.
- Abuissa SA, **Wedn AM**, El-Gowilly SM, Helmy MM, El-Mas MM. Pre-eclamptic Fetal Programming Alters Neuroinflammatory and Cardiovascular Consequences of Endotoxemia in Sex-Specific Manners. *J Pharmacol Exp Ther.* 2020 May;373(2):325-336.
- Wedn AM**, El-Gowilly SM, El-Mas MM. Nicotine Improves Survivability, Hypotension, and Impaired Adenosinergic Renal Vasodilations in Endotoxic Rats: Role of $\alpha 7$ -nAChRs/HO-1 Pathway. *Shock.* 2020 Apr;53(4):503-513.

- **Wedn AM**, El-Gowilly SM, El-Mas MM. The $\alpha 7$ -nAChR/heme oxygenase-1/carbon monoxide pathway mediates the nicotine counteraction of renal inflammation and vasoconstrictor hyporeactivity in endotoxic male rats. *Inflamm Res*. 2020 Feb;69(2):217-231.
- **Wedn AM**, El-Gowilly SM, El-Mas MM. Time and sex dependency of hemodynamic, renal, and survivability effects of endotoxemia in rats. *Saudi Pharm J*. 2020 Jan;28(1):127-135.
- **Wedn AM**, El-Gowilly SM, El-Mas MM. Nicotine reverses the enhanced renal vasodilator capacity in endotoxic rats: Role of $\alpha 7/\alpha 4\beta 2$ nAChRs and HSP70. *Pharmacol Rep*. 2019 Oct;71(5):782-793.

Book chapter:

- El-Lakany, M.A., **Wedn, A.M.**, El-Mas, M.M. (2024). Role of Oxidative Stress and Interrelated Cellular Offences in Sex Modulation of Cardiorenal Sequels of Sepsis. In: Eid, A.H., Kobeissy, F., El-Yazbi, A.F. (eds) *Oxidative Stress in Cardiovascular-Metabolic Diseases*. *Oxidative Stress in Applied Basic Research and Clinical Practice*. Springer, Cham

AWARDS

- John S. Lazo Cancer Pharmacology departmental fellowship: Predoctoral Training Grant from the Pharmacology department at the University of Pittsburgh, School of Medicine. 2023-2024.
- International Travel grant, ILC Symposium, Leuven, Belgium, September 2024.
- Young Scholar travel award, American Society for Pharmacology and Experimental Therapeutics (ASPET), World Congress of Basic & Clinical Pharmacology, Glasgow, July 2023.
- ASPET mentoring network award, Experimental Biology Conference, Philadelphia, April 2022.
- International travel award, American College of Toxicology (ACT), 40th ACT annual meeting Phoenix, Arizona, USA, November 2019.
- International travel award, American Society for Pharmacology and Experimental Therapeutics (ASPET), Experimental Biology Conference, Orlando, Florida, USA, April 2019.

LEADERSHIP & PROFESSIONAL SERVICE

Professional Society Leadership

- Member, Executive Committee of the Division of Cancer Pharmacology, ASPET, 2025-Present
- Member, Early Career Researcher Committee, International Union of Pharmacology (IUPHAR), 2023-Present
- Associate member, American Association for Cancer Research (AACR), 2019 - Present
- Member, Young Scientists Committee, American Society of Pharmacology (ASPET), 2019-2020

Journal Reviewer & Committee Service

- Reviewer, *Nature npj Breast Cancer*, 2024-Present
- Reviewer, *American Journal of Physiology (Cell, Heart & Circulatory, Regulatory)*, 2020-2023
- Member, Curriculum Revision Committee, University of Pittsburgh, School of Medicine, 2023-2025
- Member, Admission Committee, Interdisciplinary Biomedical Graduate Program, University of Pittsburgh, 2022-2024