

Curriculum Vitae

السيرة الذاتية

Emira F. Bousoik

أميرة فرج بواسويك

<https://www.researchgate.net/profile/Emira-Bousoik>

Education

PhD in Pharmaceutical Sciences (Pharmacology), School of Pharmacy

Chapman University – CA,USA

Master Degree in Pharmaceutical Sciences (Pharmacology), School of Pharmacy

Chapman University – CA,USA

Bachelor's Degree in Pharmaceutical Sciences, Faculty of Pharmacy

Omar Al-Mukhtar University– Derna, Libya

Professional and Administrative Experiences

Dean of Faculty of Pharmacy

University of Derna, Faculty of Pharmacy, Libya

Lecturer and Chair, Department of pharmacology

University of Derna, Faculty of Pharmacy, Libya

Graduate Teaching Assistant

Chapman University, School of Pharmacy – CA,USA

Research Assistant

Chapman University, School of Pharmacy – CA,USA

Graduate Teaching Assistant

Omar Al-Mukhtar University, faculty of Pharmacy– Derna, Libya

Honors/Awards

Dean's list with highest honors ,Chapman University – CA,USA

Rho Chi honor society

Gamma Beta Phi honor society

Blue ribbon (received for top-scoring abstract (CD44 Receptor Mediates Uptake of Uric Acid Crystals by Macrophages: Impact of Antibody-Mediated Receptor Shedding on NLRP3 Inflammasome Activation and Interleukin-1 Beta Production) presented at experimental biology conference in 2019)

Publications

1. **Bousoik, E.**, Mahdipoor, P., Alhazza, A., & Aliabadi, H. M. (2022). Combinational Silencing of Components Involved in JAK/STAT Signaling Pathway. *European Journal of Pharmaceutical Sciences*, 106233.
 2. Tolba, M. F., Elghazaly, H., **Bousoik, E.**, Elmazar, M., & Tolaney, S. M. (2021). Novel combinatorial strategies for boosting the efficacy of immune checkpoint inhibitors in advanced breast cancers. *Clinical & translational oncology*, 10.1007/s12094-021-02613-w. Advance online publication. <https://doi.org/10.1007/s12094-021-02613-w>
 3. **Bousoik, E.**, Qadri, M., & Elsaid, K. A. (2020). CD44 Receptor Mediates Urate Crystal Phagocytosis by Macrophages and Regulates Inflammation in A Murine Peritoneal Model of Acute Gout. *Scientific Reports*, 10(1), 1-15.
 4. **Bousoik, E.***, Zoghebi, K*. A., Parang, K., & Elsaid, K. A. (2020). Design and Biological Evaluation of Colchicine-CD44-Targeted Peptide Conjugate in an In Vitro Model of Crystal Induced Inflammation. *Molecules*, 25(1), 46.
 5. Aliabadi, H. M., KC, R. B., **Bousoik, E.**, Hall, R., Barbarino, A., Thapa, B., ... & Uludağ, H. (2020). A systematic comparison of lipopolymers for siRNA delivery to multiple breast cancer cell lines: In vitro studies. *Acta Biomaterialia*, 102, 351-366.
 6. **Bousoik, E.**, Nabiee, R., Amirrad, F., Nichols, A., Witt, R., Mahdipoor, P., & Montazeri Aliabadi, H. (2019). Heterogeneity and Plasticity of Human Breast Cancer Cells in Response to Molecularly-Targeted Drugs. *Frontiers in oncology*, 9, 1070.
 7. Mozaffari, S., **Bousoik, E.**, Amirrad, F., Lamboy, R., Coyle, M., Hall, R., ... & Montazeri Aliabadi, H. (2019). Amphiphilic peptides for efficient siRNA delivery. *Polymers*, 11(4), 703.
 8. **Bousoik, E.**, & Montazeri Aliabadi, H. (2018). “Do we know jack” about JAK? A closer look at JAK/STAT signaling pathway. *Frontiers in oncology*, 8, 287.
 9. **Bousoik, E.**, Amirrad, F., Shamloo, K., Al-Shiyab, H., Nguyen, V. H. V., & Aliabadi, H. M. (2017). Alzheimer’s Disease: Dawn of a New Era?. *Journal of Pharmacy & Pharmaceutical Sciences*, 20, 184-225.
 10. Do, H., Sharma, M., El-Sayed, N. S., Mahdipoor, P., **Bousoik, E.**, Parang, K., & Montazeri Aliabadi, H. (2017). Difatty acyl-conjugated linear and cyclic peptides for siRNA delivery. *ACS omega*, 2(10), 6939-6957.
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Conference Abstracts and Presentations

Bousoik, E., & Elsaid, K. CD44-Targeted Monoclonal Antibody is Anti-Inflammatory in an In-Vivo Model of Monosodium Urate Crystal Induced Peritonitis. Experimental Biology Annual Meeting; 2020

Bousoik, E., & Elsaid, K. CD44 Receptor Mediates Uptake of Uric Acid Crystals by Macrophages: Impact of Antibody-Mediated Receptor Shedding on NLRP3 Inflammasome Activation and Interleukin-1 Beta Production. Experimental Biology Annual Meeting; 2019; Orlando, FL

Hamidreza MontazeriAliabadi, **Emira Bousoik** and Parvin Mahdipoor. A Comprehensive Analysis of Proteins Involved in Innate Resistance to Molecularly-Targeted Drugs in Breast Cancer. AACR 107th Annual Meeting; 2016; New Orleans, LA

Hamidreza MontazeriAliabadi, **Emira Bousoik** and Parvin Mahdipoor. A systematic approach to JAK/STAT pathway shut-down. AACR 108th Annual Meeting; 2017; Philadelphia, PA

Laboratory Experience

RNA isolation, protein isolation, cDNA synthesis, primer design, gene knockdown by siRNA, Flow cytometry (FACS), Real time polymerase chain reaction (RT-PCR), western blot, UV-Vis spectrophotometers -Nanodrop, Spectrofluorometer- plate reader (CCK assay, MTS assay, MTT assay), cell culture