

**DR. ASAAD ABBAS ALADLAAN**  
 Ph.D. Biomedical Sciences/ Cell Molecular, USA.  
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## SCIENTIST

*Technical Skills* ★ *Experiment Design/Execution* ★ *Cellular/Molecular Biology* ★ *Medical Technology Technician*

Enthusiastic, highly adaptable, motivated scientist with a solid biomedical and cellular/molecular biology and medical laboratory technician background. Extensive educational and hands-on research experience with numerous techniques while excelling in team-oriented environments that expect a high level of dedication and project management. Possess a passion for data manipulation along with strong critical thinking and project development skills. Exceptional oral and written communication skills with experience presenting at numerous conferences and authoring manuscripts in prestigious publications.

## CORE COMPETENCIES/TECHNICAL SKILLS

Molecular Biology Techniques	Research/Development	RT-PCR/qPCR
	Manuscript/Report Writing	ELISA
Data Analysis	In Vivo and In Vitro	Western Blotting
Results	Experiments	SDS-PAGE
Interpretation/Reporting	Laboratory Protocols	ChIP Assay
Strong Quantitative Skills	Adobe (Photoshop)	Cell and Organ Culture
Verbal and Written	Microsoft Word, Excel, PowerPoint	Histology Analysis
Communication Skills	GraphPad Prism	Bone Critical-Size Defect
Strategic Thinking	COVID-19 training	Immunohistochemistry
Management Skills	Micro-CT Scanning and Analyses	DNA/RNA Extraction
Detail Oriented	Histomorphometry	Light/Fluorescent Microscopy
Strong Interpersonal and Teamwork Skills	Luciferase Reporter Assay	Mammalian Cell Research Medical laboratory Techniques

## EDUCATION

- ✓ Bachelor's degree in medical laboratory sciences, College of Medical Technology (MLT): 2002, Baghdad, Iraq.
- ✓ Master's degree in Microbiology, College of Education (Biology):2008 University of Thi-Qar, Nasiriya, Iraq.
- ✓ Ph.D. Biomedical Sciences, Cellular, and Molecular Biology: 2017, Kent State University, Kent, OHIO, USA and North East Ohio Medical School (NEOMED), Rootstown, OHIO, USA.
- ✓ **Dissertation Title:** The Novel Role of GPNMB in Post Traumatic Osteoarthritis  
**Advisor:** Dr. Fayed Safadi, Northeast Ohio Medical University, Rootstown, OHIO

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## PROFESSIONAL EXPERIENCE

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- Experience for more than 18 years in clinical laboratory techniques. Worked in many hospitals and performing clinical tests that included (Hematology, Biochemistry, Microbiology, Blood Bank, Molecular Biology, and Immunology in addition to COVID-19).
- Manager of blood bank of maternity Hospital for one year.
- Manager of the province laboratories which including seven hospitals and forty medicals Centers for two years.
- Manager of Al-Hussein's hospital clinical labs also, a manager of a private medical Laboratory.
- Handled test substances and test substances dose formulations while strictly Observing all safety protocols.
- Diligently witnessed preparation of test article dose solutions/suspensions as a part of quality Assurance.
- Labeled and shipped formulated test article samples, ensuring all proper protocols and Procedures were meticulously followed.
- Working at the local teaching hospital as Microbiologist. Also, teaching and preparing participations who holding Bachelor degree in biology to get certification to work at hospitals.
- Have experiences in bacterial and fungal culturing and media preparing.
- Working on many clinical labs instruments such as Cobas e411, Alegria, Maglumi 100, Bio-Rad Variant II, VIDAS, mini VIDAS, VITECH, Mindray CI900i, TOSOH, Backt-alert, I Chroma, Fine care.
- Giving courses in microbiology for clinical lab technicians, whom preparing for certificate exam.
- Manger of the Public Health Laboratory (PHL).
- Manager of COVID-19 testing center at Al-Nasiriyah city.
- Senior of skeletomuscular research laboratory at NEOMED, OHIO, USA.

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## HONORS AND AWARDS

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- ❖ Attended the conference of Osteoarthritis Foundation:2015
- ❖ Poster Presentation Award, Graduate Research Symposium, Kent State University: 2016
- ❖ Young Investigator Travel Award, American Society for Bone and Minerals Research: 2016
- ❖ WHO certificate in COVID-19 training course: 2020.

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## AFFILIATIONS

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- ❖ American Society for Bone and Mineral Research (ASBMR): 2016
- ❖ Orthopedic Research Society (ORS) in 2017 San Diego, Florida, USA.

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## PUBLICATIONS

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1. Bera, T., Freeman, E., McDonough, J., Clements, R., Aladlaan, A., & Miller, D. et al. (2015). Liquid Crystal Elastomer Microspheres as Three-Dimensional Cell Scaffolds Supporting the Attachment and Proliferation of Myoblasts. *ACS Applied Materials & Interfaces*, 7(26), 14528-14535. doi: 10.1021/acsami.5b04208.
2. Jaber F, Khan N, Ansari M, Al-Adlaan A, Hussein N, Safadi F. Autophagy plays an essential role in bone homeostasis. *J Cell Physiol*. 2019; 234(8):12105-12115. doi:10.1002/jcp.27071.
3. Hussein N, Mbimba T, Al-Adlaan A et al. A novel regulatory role of TRAPPC9 in L-plastin-mediated osteoclast actin ring formation. *J Cell Biochem*. 2019; 121(1):284-298. doi:10.1002/jcb.29168

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## CONFERENCE POSTER PRESENTATIONS

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- Asaad Al Adlaan, Nazar Hussein, Fatima Jaber, Tariq Haqqi, Fayez Safadi. A Novel Protective Role of GPNMB/Osteoactivin in Post-Traumatic Osteoarthritis (American Society for Bone and Mineral Research Annual Meeting, Georgia: September 2016).
- Attended the conference of Osteoarthritis Foundation:2015, OH, USA
- American Society for Bone and Minerals Research ASBMR 2016, Georgia, USA (Poster presentation)
- The 10<sup>th</sup> annual Cleveland State Interdisciplinary Research Conference (CSRIC) 2016 (Poster presentation).
- Graduate Research Symposium, Kent State University (Poster presentation).
- Orthopedic Research Society, 2017, California San Diego, USA (Poster presentation).
- Training course at WHO office at Al-Basra city, Iraq for COVID-19, 2020.

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## REFERENCES

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**Detailed Professional References Available upon Request**

