

Marya Obeidat, Ph.D.
Assistant Professor of Molecular Biology
Department of Medical Laboratory Sciences
Jordan University of Science and Technology

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[MARYA OBEIDAT - Google Scholar](#)

BIO

I began work as an assistant professor at the Jordan University of Science and Technology (JUST) in 2018. I was initially employed on a contract and then became tenured in 2021. JUST is primarily a teaching institution; I teach three master-level courses each semester and five every other semester. Additionally, I supervise undergraduate research project students (6-12 each semester) and master's students. During my tenure, I have supervised seven master's students and co-supervised four others. Some of them have been admitted to PhD programs, while the rest work as lab technicians and research assistants to pursue a PhD. Mentoring – especially during lab meetings -- is my favourite part of the job. I love witnessing the growth and transformation in my students; it is truly the most rewarding experience. Regarding teaching theoretical courses, I strive to integrate research through the analysis of articles, problem-solving exercises, and proposal writing. I believe that research-based teaching is the most efficient way of learning, as it creates a very dynamic classroom environment where students remain engaged and interested and can build lifelong learning skills.

The tenure promotion guidelines at JUST demand that a professor publish in Q1 and Q2 Scopus-indexed journals, with an emphasis on serving as the first and corresponding author on a required number of articles. It is important to highlight that JUST does not receive any government funding for research, and, thus, thesis and non-thesis grants are funded by the modest budget allocated for the Deanship of Research.

RESEARCH INTEREST

I am primarily focused on understanding the molecular and cellular mechanisms underlying disease development, with a particular emphasis on cancer, utilizing a blend of basic and clinical approaches.

PERSONAL INFORMATION

Date of Birth	June 5, 1981.
Marital Status	Married with two children.

EDUCATION AND QUALIFICATIONS

- May 2015 **PhD** in Medical Sciences/Experimental Medicine, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada.
Dissertation: A Study of the Protein Phosphatase 1(PP1) Regulatory Subunit, TIMAP, in Human Glomerular Endothelial Cells.
- Feb 2006 **MSc** in Medical Laboratory Sciences/Diagnostic Molecular Biology and Human Genetics, Department of Medical Laboratory Sciences, Jordan University of Science and Technology, Jordan.
Thesis: Screening of The Most Common Mutations Among Familial Mediterranean Fever Patients in Jordan.
- Feb 2003 **BSc** in Biotechnology and Genetic Engineering, Department of Applied Biology, Jordan University of Science and Technology, Jordan.
- 2013-2014 Successful completion of “**Graduate Teaching and Learning Course level 1**”. It recognizes 21 hours of pedagogy training. Faculty of Graduate Studies and Research, University of Alberta Alberta, Edmonton, Alberta, Canada.
- 2013- 2014 Successful completion of “**Graduate Teaching and Learning Course level 2**”. It recognizes 50 hours of training in post-secondary teaching development. Faculty of Graduate Studies and Research, University of Alberta, Canada.
- Dec 2006 Successful completion of “**Animal User Training Program/The Care and Use of the Mouse in Research**”. University of Alberta, Edmonton, Alberta, Canada.
- Sep 2006 Successful completion of “**Concepts in Biosafety: Basic Principles and Practices**”. University of Alberta, Edmonton, Alberta, Canada.
- Sep 2006 Successful completion of “**Animal User Training Course 1/ The Care and Use of Animals in Research, Teaching, and Testing**”. University of Alberta, Edmonton, Alberta, Canada.
- Jul 2006 Successful completion of “**Radiation Safety Course**”. University of Alberta, Edmonton, Alberta, Canada.

RESEARCH EXPERIENCE

- 2018- Present **Principal Investigator**
Department of Medical Laboratory Sciences, Jordan University of Science and Technology, Jordan
- June 2006- May 2015 **Research Assistant**
Dr. Barbara Ballermann Laboratory, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada
- Feb 2003- Jan 2006 **Research Assistant**
Princess Haya Biotechnology Center and the Department of Medical Laboratory Sciences, Jordan University of Science and Technology, Jordan
- Aug 2002-Jan 2003 **Undergraduate Research Project**
Medical Microbiology Laboratory, Faculty of Veterinary Medicine, Jordan University of Science and Technology, Jordan.

Research Acquired Skills:

- DNA extraction
- RNA extraction
- Protein extraction
- Small interfering RNA (siRNA)
- Conventional and real-time PCR
- DNA sequencing
- DNA synthesis assay
- Agarose and polyacrylamide gel electrophoresis
- Restriction fragment gel polymorphism
- Plasmid transfection
- FANA-ASO transfection
- Adenovirus infection
- Lentivirus infection
- Western blot
- Flow Cytometry
- Confocal microscopy
- Electrical cell-substrate impedance sensing (ECIS)
- ELISA
- Apoptosis assays
- Survival assays

- 2D angiogenesis assay
- 3D angiogenesis assay
- Aorta ring angiogenesis assay
- In vivo angiogenesis assay
- Protein phosphorylation
- Phosphatase assay
- Phosphatase inhibitors
- Protein binding assay
- Cytoskeleton extraction
- Immunoprecipitation
- Immunofluorescence
- Immunohistochemistry
- Cell and tissue culture
- Cell proliferation assay
- Cell migration assay
- Cell adhesion assay
- Endothelial-blood barrier assay
- Glomeruli isolation
- Transgenic animals
- SPSS analysis
- Photoshop
- Scientific writing and presentation

RESEARCH GRANTS

1. Investigating genetic variants and their association with schizophrenia risk and severity in Jordanian patients; master's thesis grant for Abdulaziz Al-Samawi. 2024-2025. **\$8,704**
2. Whole Exome Sequencing of Hodgkin's Lymphoma Patients; master's thesis grant for Abdulamlek Abu Zahra. 2023-2024. **\$7,529**
3. Exploring the gene expression profiles involved in triggering the formation of microglial nodules in the medulla oblongata of patients with COVID-19, utilizing RNA-sequencing; master's thesis grant for Dunia Abu Rizq. 2023-2024. **\$9,165.**
4. TIMAP knockdown-mediated proteomic and phosphoproteomic profile of Burkitt's lymphoma cells; non-thesis grant. 2022-2023. **\$12,690**
5. Prevalence of Long COVID-19 symptoms in Jordan: A cross-sectional survey; non-thesis grant. 2022-2023. **\$0**

6. Transcriptome analysis of Burkitt's lymphoma cells after TIMAP knockdown; master's thesis grant for Saleh Tadros. 2022-2023. **\$7,741.**
7. Correlation of TIMAP promoter methylation with acute leukemia; master's thesis grant for Batool Ismael. 2021-2022. **\$7,050**
8. Investigation of TIMAP protein level in patients diagnosed with various hematological malignancies; master's thesis for Ayah Al-Khaldi. 2020-2021. **\$9,163.**
9. Investigating the efficacy of lyophilized AS-1411- gold nanosphere-conjugated aptamer in breast cancer growth inhibition; master's thesis grant for Dalya Saidi. 2020-2021. **\$9,093.**
10. Characterization of the molecular and cellular effects of PPP1R16B downregulation in hematological malignancies; non-thesis grant. 2020-2021. **\$21,501.**
11. The role of TIMAP expression in the development of Burkitt's lymphoma; master's thesis grant. 2019-2021. **\$9,159.**

SCIENTIFIC JOURNALS

Frontiers in Pharmacology: Topic coordinator for a special issue “ Targeting Cellular Signaling Pathways for Disease Therapy: The Potential of Cellular Reprogramming and Protein Kinase.

BMC Medical Imaging: Reviewer

TEACHING EXPERIENCE

May 2025-present	Associate Professor of Molecular Biology
Jan 2018-May 2025	Assistant Professor of Medical Sciences/Molecular Biology
Apr 2017- Jan 2018	Teacher of English language as a second language (ESL) at World Associates Middle East organization, Jordan.
Mar 2014	Designed and taught 2 lectures for the course “ The Birth and Death of a Cell ” to a cell biology undergraduate and graduate students, Department of Cell Biology, University of Alberta, Edmonton, Alberta, Canada.

- 2008-2010 **Supervisor** of the following summer research students at Dr. Ballermann's Laboratory, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada:
- Summer 2008 & 2009: Ranish Deedar Ali Khawaja, MD, graduate of Agha Khan University, Pakistan.
 - Summer 2010: Scott Meyer, B.Sc. graduate of the University of Alberta.
- 2003-2004 **Teaching Assistant**, Department of Medical Laboratory Sciences, Jordan University of Science and Technology, Jordan.

COURSES TAUGHT AT JUST

Course Name, Number, and (Credit)

Advanced Molecular Biology, LM722 (3)
Advanced Molecular Genetics Training, LM789 (3)
Molecular and cellular Pathogenesis, LM713 (2)
Research proposal and Methodology, LM797 (2)
Independent Studies, LM707 (3)
Scientific Research Methods, LM491 (2)
Research Project, LM493 (2)
Graduation project, LM791 (3)
Molecular biology, BT451

MASTER THESIS SUPERVISION AND COMMITTEES

- October 2024-Present **Supervisor for Abdulaziz Al-Samawi**
"INVESTIGATING GENETIC VARIANTS AND THEIR ASSOCIATION WITH SCHIZOPHRENIA RISK AND SEVERITY IN JORDANIAN PATIENTS"
- Jun 25, 2024 **Internal examiner for Sara Arjah**
"METABOLOMICS PROFILING IN COLORECTAL CELL LINES FOR IDENTIFICATION OF HYPOXIA-

ASSOCIATED BIOMARKER”

- Jun 8, 2024 **Internal examiner for Esra’a Alzoubi**
 “STUDY THE CONTRIBUTION OF GENETIC VARIATIONS IN SPERMATOGENESIS ARREST AMONG MALE INFERTILITY CASES”
- Aug 22, 2023 **Internal examiner for Yasmin Maher**
 “ASSESSMENT OF THYROID FUNCTION IN JORDANIANS WITH BLADDER CANCER”
- June 22, 2023 **Internal examiner for Wiam Al-Shara’a**
 “PROGRAMMED CELL DEATH PROTEIN PD-1, PROGRAMMED CELL DEATH PROTEIN LIGAND 1 PD-L1, AND PROGRAMMED CELL DEATH PROTEIN LIGAND 2 PD-L2 IN MULTIPLE SCLEROSIS”
- Feb 2, 2023 **Internal examiner for Amal bani Dumi**
 “MICRO-RIBONUCLEIC ACIDS DYSREGULATIONS AS DIAGNOSTIC BIOMARKERS OF SCHIZOPHRENIA AMONG JORDANIAN POPULATION”
- Sep 2022- Jan 2025 **Supervisor for Dunia Abu Rizq**
 “EXPLORING THE GENE EXPRESSION PROFILES INVOLVED IN TRIGGERING THE FORMATION OF MICROGLIAL NODULES IN THE MEDULLA OBLANGATA OF PATIENTS WITH COVID-19- UTILIZING RNA-SEQUENCING”
- Sep 2022- Feb 2024 **Supervisor for Abdulmalek Abu Zahra**
 “WHOLE EXOME SEQUENCING OF HODGKIN’S LYMPHOMA PATIENTS”
- Feb 2022- Feb 2024 **Supervisor for Saleh Tadros**
 “TRANSCRIPTOME ANALYSIS OF BURKITT’S LYMPHOMA CELLS AFTER TIMAP KNOCKDOWN”
- Feb 2022 -Aug 2024 **Co-advisor for Raghad Frewan**
 “The CORRELATION BETWEEN PBX1 METHYLATION AND TRANSCRIPTION IN PATIENTS DIAGNOSED WITH VARIOUS HEMATOLOGICAL MALIGNANCIES”
- Feb 10, 2022 **Internal examiner for Reem Darweesh**
 “ASSOCIATION BETWEEN VITAMIN D RECEPTOR GENE POLYMORPHISMS AND SCHIZOPHRENIA

AMONG JORDANIAN POPULATION”

- Sep 2021- Aug 2025 **Co-advisor for Randa Ananzeh**
 “PROTEOMIC PROFILING OF COLORECTAL CANCER
 CELL LINES FOR IDENTIFICATION OF HYPOXIA
 ASSOCIATED BIOMARKERS”
- Feb 2020- Feb 2022 **Supervisor for Dalya Saidi**
 “INVESTIGATING THE EFFICACY OF LYOPHILIZED
 AS1411-GOLD NANOSPHERE CONJUGATED APTAMER
 IN BREAST CANCER”
- Feb 2019- Dec 2021 **Supervisor for Afnan Abu Oun**
 “INHIBITION OF TIMAP EXPRESSION IN BURKITT’S
 LYMPHOMA CELLS USING FANA-ASO”
- Sep 2019-Sep 2022 **Supervisor for Batool Ismael**
 “CORRELATION OF TIMAP PROMOTER
 METHYLATION AND TRANSCRIPTION IN PATIENTS
 DIAGNOSED WITH VARIOUS HEMATOLOGICAL
 MALIGNANCIES”
- Sep 2019- Feb 2022 **Supervisor for Ayah Al-Khaldi**
 “INVESTIGATION OF TIMAP LEVEL IN VARIOUS
 HEMATOLOGICAL MALIGNANCIES”
- Sep 2019-Aug 2021 **Co-advisor for Ruba Ra’fat**
 “SERUM LEVELS OF LEPTIN, RESISTIN,
 ADIPONECTIN, AND INSULIN AND DEVELOPMENT
 AND PROGRESS OF HEMATOLOGICAL MALIGNANCY
 ASSOCIATED HYPERGLYCEMIA”
- Dec 18, 2019 **External examiner for Sawsan Al-Khalayfa**
 “GENOTYPING TYPE 2 DIABETES MELLITUS
 SUSCEPTIBILITY VARIANT RS5219 (E23K) IN A
 JORDANIAN PATIENT’S COHORT”
- July 31, 2019 **Internal examiner for Rand Nofal**
 “SYNERGISTIC EFFECT OF IMATINIB AND SURVIVIN
 INHIBITORS ON IMATINIB-SENSITIVE AND IMATINIB-

 RESISTANT CHRONIC MYELOID LEUKEMIA CELL
 LINES”
- July 2018-Jan 2020 **Co-advisor for Marah Hussein**
 “THE IMPACT OF IRON DEFICIENCY ON PLASMA

LEVELS OF DOPAMINE, SEROTONIN, AND
NEUROTROPHINS AMONG SCHOOL-AGED CHILDREN”

ADMINISTRATIVE COMMITTEES

October 2025	Alumni Affairs Committee, Department of Medical Sciences, Jordan University of Science and Technology, Jordan
October 2025	Exams Committee, Department of Medical Sciences, Jordan University of Science and Technology, Jordan
October 2025	Head of the Student Affairs Committee, Department of Medical Sciences, Jordan University of Science and Technology, Jordan
October 2024	Head of the Medical Laboratory Sciences program Accreditation Committee, Department of Medical Sciences, Jerash University, Jordan
April 2024	Medical Laboratory Sciences program Accreditation Committee, Department of Medical Sciences, Jordan University of Science and Technology, Jordan
January 2024	Course Design and Evaluation Committee, Department of Medical Sciences, Jordan University of Science and Technology, Jordan
2023	International Students Recruitment Committee, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan
2023	Committee for the best university award, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2023- 2024	Department representative at the faculty council, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2022- 2024	Graduate Studies Committee, Department of Medical Sciences, Jordan

	University of Science and Technology
2022- Present	Journal Club Committee, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2022- 2023	Student affairs committee, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan
2022- 2023	Research grant evaluation committee, Faculty of Applied Medical Sciences, Jordan University of Science and Technology, Jordan
2021- 2021	Committee for the best university award, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2019- 2020	Graduate Studies Committee, Department of Medical Sciences, Jordan University of Science and Technology
2019- 2020	Faculty's conference planning and scientific committees, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2019- 2020	Department representative at the faculty council, Faculty of Applied Medical Sciences, Jordan University of Science and Technology
2018- 2019	Student Affairs Committee, Faculty of Applied Medical Sciences, Jordan. University of Science and Technology
2018- Present	Research grant evaluation committee, Department of Medical Sciences, Jordan University of Science and Technology, Irbid, Jordan
2018-Present	Journal Club and Scientific Committee, Department of Medical Sciences, Jordan University of Science and Technology, Irbid, Jordan

WORKSHOPS

Feb 19-20, 2025	Research Ethics in the Digital Era Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
Feb 2021, 2024	Applying Quality Matters Rubric Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
Feb 18-19, 2024	Statistical analysis and Interpretation of Results using JMP, Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
Nov 14, 2023	Courses and programs quality assurance, Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
May 16-18, 2022	Designing courses and programs, instructional methods, and assessment fundamentals, Fullbright, Jordan University of Science and Technology, Jordan.
Oct 27, 2019	International Center For Genetic Engineering and Biotechnology, an overview of opportunities and collaboration with Jordan, Jordan University, Jordan.
Sep 25, 2018	Research-Based Teaching, Erasmus plus (HEREs), Jordan University of Science and Technology, Jordan.
Sep 12, 2018	Psychological First Aid, International Rescue Committee, World Associates LTD, Jordan.
Jun 28& Jul 5, 2018	Contemporary Teaching Methods, Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
Apr 10-11, 2018	Online Learning Design Course, Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.
Apr 4, 2018	E-learning, Creating and Editing Educational Videos using Camtasia Studio9, Academic Development and Quality Assurance Center, Jordan University of Science and Technology, Jordan.

- 2013-2014 Participated in the following workshops at the Center for Teaching and Learning, University of Alberta, Edmonton, Alberta, Canada.
1. Teaching philosophy.
 2. How to prepare a teaching dossier.
 3. Teaching effectively in the lab.
 4. Curriculum planning.
 5. Assessing student learning.
 6. Learning objectives.
 7. Learning outcomes.
 8. Instructional strategies for learning.
 9. Student engagement strategies for the large classroom.
 10. How humor, music, and movements enhance student engagement.
 11. Using your voice in the classroom.
 12. Smart classroom technology.
 13. Why students don't complete required reading.
 14. Teaching and learning when English is not your first language.
 15. Where to spend my time for course success.
 16. Graduate student perspectives on teaching scenarios you may face as an instructor.
 17. Peer Observation.
 18. Leaving your mark: grading the essay.
 19. Effective grading practices in biology.
 20. Conflict resolution.
 21. How can I teach students in large classes to write?
 22. How can I improve as a writer?
 23. What makes for a good writing assignment?
 24. How should I evaluate student writing?
- Oct 5, 2007 **Ethics and Scientific Integrity Course (one day).**
University of Alberta, Edmonton, Alberta, Canada.
- Sept 1, 2004 **Training in Diagnostic Molecular Genetics Techniques. (one week).**
Department of Medical Genetics, Saint-Joseph University, Beirut, Lebanon.
- Jul-Oct 2002 **Training in Diagnostic Laboratories.**
King Abdullah II University Hospital, Jordan.

ARTICLE PUBLICATIONS

1. **Marya Obeidat**, Saleh Tadros, Batool Ismail, Ayah Al-Khaldi. TIMAP downregulation in Burkitt's lymphoma reveals key molecules and signaling pathways in B-cell lymphomagenesis. *Experimental Biology and Medicine*. Oct 15, 2025. **(Scopus indexed Q1)**.
2. Refat M Nimer, Sara Arjah, **Marya Obeidat**, Saied A Jaradat, Ruba A Zenati, Yasser Bustanji, Mohammad H Semreen, Lina A Dahabiyeh. Untargeted LC-MS/MS-based metabolomics profiling of colorectal cancer cell lines reveals potential hypoxia-associated biomarkers. *Journal of Pharmaceutical and Biomedical Analysis*. Sep 15, 2025. **(Scopus indexed Q1)**.
3. Salah Aburahess, Laiji Li, Ashiq Hussain, **Marya Obeidat**, Parnian Alavi, Abu Kalam Azad, Nadia Jahroudi, Barbara Ballermann. Hypoxia-induced TIMAP Upregulation in Endothelial Cells and TIMAP-dependent Tumour Angiogenesis. *American Journal of Physiology- Cell Physiology*. Dec 1, 2024. **(Scopus indexed Q1)**.
4. Nesreen A Saadeh , **Marya Obeidat** , Mohammad Shboul. The Ser434Phe *Androgen Receptor* Gene Mutation Does Not Affect Fertility but is Associated with Increased Prolactin. *The application of Clinical Genetics*. Sep 26, 2024. **(Scopus indexed Q2)**.
5. Dalya Saidi[#], **Marya Obeidat**[#], Shrouq Alsotari, Abed-Alqader Ibrahim, Rula Al-Buqain, Suha Wehaibi, Dana A. Alqudah, Hamdi Nsairat, Walhan Alshaer, Alaaldin M. Alkilany. Formulation Optimization of Lyophilized Aptamer-Gold Nanoparticles: Maintained Colloidal Stability and Cellular Uptake. *Heliyon*. May 3, 2024. **Accepted. (Scopus indexed Q1). #: Equal contribution.**
6. **Marya Obeidat**, Wisam Algargaz, Marwa Barukba, Khaldon Bodoor, Issa Mohamad, Farid Barakat, Samir Al Bashir. Clinical and Molecular Characteristics of Jordanian Oropharyngeal Cancer Patients According to P16 expression: A retrospective study and a report of a novel biomarker. *Medical Molecular Morphology*. Mar 09, 2024. DOI: 10.1007/s00795-024-00383-2. **(Scopus indexed Q2)**.
7. **Marya Obeidat**, Abdulmalek Abu Zahra, Farah Alsattari. Prevalence and Characteristics of Long COVID-19 in Jordan: A cross-sectional survey. *PLoS*

- One. Jan 26, 2024; 19(1). DOI: 10.1371/journal.pone.0295969. **(Scopus indexed Q1).**
8. Khaldoun Alawneh, Saeid Jaradat, **Marya Obeidat**, Tariq Kewan, Deeb Zahran, Diala Alawneh, Nadera Sweiss. Genotypes and Phenotypes of Arab Patients with Familial Mediterranean Fever in North Jordan. Bangladesh Journal of Medical Science. Jan 1, 2024; 23(1):54-62. DOI:10.3329/bjms.v23i1.70674. **(Scopus indexed Q3).**
 9. Mohammad Al-Qudah, Maha Al-Keilani, **Marya Obeidat**, Husam Haddad, Roba Bdeir, Lina Samman. Correlation of PKM2 Expression with HER2/neu and Additional Breast Cancer Biomarkers and its Prognostic Significance. Applied Immunohistochemistry and molecular Morphology. Jul 1, 2023; 31(6):363-370.
 - a. DOI: 10.1097/PAI.0000000000001131. **(Scopus indexed Q2).**
 10. Mohammad Bani-Ahmad, Marah Ahmad, **Marya Obeidat**, Mousa Barqawi. The Modulation of Plasma Levels of Dopamine, Serotonin, and Brain-derived Neurotrophic factor in Response to variations in Iron Availability. Acta Biomedica. Dec 16, 2022; 93(6):e2022293. DOI: 10.23750/abm.v93i6.13276. **(Scopus indexed Q2).**
 11. **Marya Obeidat**, Khaldon Bodoor, Mohammad Alqudah, Amro Masaadeh, Marwa Barukba, Rowida Almomani. TIMAP Upregulation Correlates Negatively With Survival in HER2- Negative Subtypes of Breast Cancer. APJCP. Jun 5, 2021; 1;22(6):1899-1905. DOI: 10.31557/APJCP.2021.22.6.1899. **(Scopus indexed Q2).**
 12. Xin Wang[#], **Marya Obeidat**[#], Laiji Li, Phuwadet Pasarj, Salah Aburahess, Charles F.B. Holmes, Barbara J. Ballermann. TIMAP inhibits endothelial myosin light chain phosphatase by competing with MYPT1 for the catalytic protein phosphatase 1 subunit PP1c β . JBC. Sep 6, 2019; 294 (36):13280-13291. 10.1074/jbc.RA118.006075. **(Scopus indexed Q1). #: Equal contribution.**
 13. Barbara J. Ballermann and **Marya Obeidat**. Tipping the Balance from Angiogenesis to Fibrosis in CKD. Kidney Int Suppl. 2014 Nov; 4(1):45-52. **(Scopus indexed Q1).**
 14. **Obeidat M**, Li L, Ballermann BJ. TIMAP Promotes Angiogenesis by Suppressing PTEN-mediated Akt Inhibition in Human Glomerular Endothelial Cells. Am J Physiol Renal Physiol. 2014 Sep 1; 307(5): F623-633. **(Scopus indexed Q1).**
 15. Shopik MJ, Li L, Luu HA, **Obeidat M**, Holmes CF, Ballermann BJ. Multi-directional Function of the Protein Phosphatase 1 Regulatory Subunit TIMAP. BBRC. 2013 Jun 14; 435(4):567-573. **(Scopus indexed Q1).**

16. **Obeidat M**, Obeidat M, Ballermann BJ. Glomerular endothelium: a porous sieve and formidable barrier. *Exp Cell Res.* 2012 May 15; 318(9):964-972. (**Scopus indexed Q2**).
17. Wegner B, Al-Momany A, Kulak SC, Kozlowski K, **Obeidat M**, Jahroudi N, Paes J, Berryman M, Ballermann BJ. CLIC5A, a Component of the Ezrin-Podocalyxin Complex in Glomeruli, is a determinant of Podocyte Integrity. *Am J Physiol Renal Physiol.* 2010 Jun; 298 (6): F1492-503. (**Scopus indexed Q1**).

ABSTRACT PUBLICATIONS

1. Motaz Obeidat, **Marya Obeidat**, Mohammad Al-Shboul. Familial Lecithin: Cholesterol Acyltransferase (LCAT) Deficiency as a Cause of Chronic Kidney Disease – A Case report. *Nephrology Dialysis Transplantation.* June 2023; 38(1), gfad063c_6143. DOI:10.1093/ndt/gfad063c_6143. (**Scopus indexed Q1**)
2. **Marya Obeidat**, Laiji Li, Barbara J. Ballermann. TIMAP is Critical for Glomerular Endothelial Cell Angiogenesis. *J Am Soc Nephrol.* 2012; 23:127A.
3. **Marya Obeidat**, Laiji Li, Barbara J. Ballermann. A Novel Function of the MYPT Family Member TIMAP in Endothelial Cells. *J Am Soc Nephrol.* 2011; 22:416A.
4. **Marya Obeidat**, Laiji Li, Kathy Kozlowski, Ranish Deedar, Steven C. Kulak, Barbara J. Ballermann. When a MYPT Family Member is not a MYPT. *J Am Soc Nephrol.* 2009; 20:534A.
5. Laiji Li, Michael Shopik, **Marya Obeidat**, Kathy Kozlowski, Charls Holmes, Barbara J Ballermann. TIMAP Regulates the Subcellular Localization of. Heterogeneous Ribonuclear Protein U (HnRNP-U) in Glomerular Endothelial Cells (EC). *J Am Soc Nephrol.* 2008.
6. **Marya Obeidat**, Binytha Wegner, Steve C. Kulak, John Paes, Mark A. Barryman, Barbara J. Ballermann. The Chloride Intracellular Channel CLIC5A Regulates Glomerular Ultrastructure In Vivo. *J Am Soc Nephrol.* 2007; 18: 207A.
7. Laiji Li, Kathy Kozlowski, **Marya Obeidat**, Barbara J. Ballermann. Phosphorylation of TIMAP by PKA and GSK-3beta Regulates TIMAP-associated Protein Phosphatase 1(PP1c) Activity. *J Am Soc Nephrol.* 2007; 18:29A.
8. Laiji Li, Kathy Kozlowski, **Marya Obeidat**, Barbara J. Ballermann. The Protein Phosphatase Targeting Subunit TIMAP Regulates Filopodia Formation in Glomerular Endothelial Cells. *J Am Soc Nephrol.* 2007; 18:210A.

CONFERENCES

PRESENTATIONS:

1. **Marya Obeidat.** Investigation of TIMAP expression in hematological malignancies. Poster session at the **International Conference on Applied Chemistry and Biotechnology**, Amman, Jordan, May 8, 2022.
2. **Marya Obeidat.** TIMAP is upregulated in Leukemia Patients. **5th World Cancer Summit**, Dubai, UAE, May 9-10, 2022.
3. **Marya Obeidat.** TIMAP is a positive Regulator of Endothelial Cell Growth and Angiogenesis. Poster session at the **CIHR Young Investigators Forum**, Edmonton, Alberta, Canada, May 2014.
4. **Marya Obeidat.** TIMAP Positively Regulates Akt Phosphorylation by Inhibiting PTEN in Endothelial Cells (EC). Invited presentation at **the Signal Transduction Research Group Retreat**, Edmonton, Alberta, Canada, May 2013.
5. **Marya Obeidat.** TIMAP is Critical for Endothelial Cell Proliferation, Survival, and Angiogenesis. Poster session at **Medicine Research Day**, Edmonton, Alberta, Canada, May 2013.
6. **Marya Obeidat.** TIMAP is critical for Glomerular Endothelial Cell Angiogenesis. Poster Session at the **Annual Meeting of the American Society of Nephrology**, San Diego, CA, USA, November 2012.
7. **Marya Obeidat.** TIMAP Regulates Akt Phosphorylation and Endothelial Cell Proliferation. Poster session at **Medicine Research Day**, Edmonton, Alberta, Canada, May 2012.
8. **Marya Obeidat.** A Novel Function of the MYPT Family Member TIMAP in Endothelial Cells. Poster Session at the **Annual Meeting of the American Society of Nephrology**, Philadelphia, PA, USA, November 2011.
9. **Marya Obeidat.** Protein Phosphatase 1-independent Inhibition of MLC2 Phosphorylation by the MYPT Family Member TIMAP. Invited presentation at the **Annual Western Canadian Kidney Research Symposium**, Calgary, Edmonton, Canada, October 2011.
10. **Marya Obeidat.** Regulation of Endothelial Cell Myosin Light Chain 2 (MLC2) Phosphorylation by TIMAP. Invited presentation at the **Signal**

Transduction Research Group Retreat, Edmonton, Alberta, Canada, May 4, 2011.

11. **Marya Obeidat**. An Endothelium- Specific Myosin Light Chain Phosphatase. Poster session at **Medicine Research Day**, Edmonton, Alberta, Canada, May 2010.
12. **Marya Obeidat**, Laiji Li, Kathy Kozlowski, Ranish Deedar, Steven C Kulak, Barbara J Ballermann. When a MYPT Family Member is not a MYPT. Poster Session at the **Annual American Society of Cell Biology meeting**, San Diego, CA, USA, December 2009.
13. **Marya Obeidat**, Laiji Li, Kathy Kozlowski, Ranish Deedar, Steven C Kulak, Barbara J Ballermann. When a MYPT Family Member is not a MYPT. Poster Session at the **Annual Meeting of the American Society of Nephrology**, San Diego, CA, USA, November 2009.
14. **Marya Obeidat**. Is TIMAP a Novel Member of the MYPT Family? Invited Presentation; **Annual Western Canadian Kidney Research Symposium**, Vancouver, British Colombia, Canada, October 30, 2009.
15. **Marya Obeidat**. Myosin Light Chain 2 Regulation by TIMAP/PP1c. Invited Presentation; **Signal Transduction Research Group Retreat**, Edmonton, Alberta, Canada, May 8, 2009.
16. Laiji Li, Michael Shopik, **Marya Obeidat**, Kathy Kozlowski, Charles Holmes, Barbara J Ballermann. TIMAP Regulates the Subcellular Localization of Heterogeneous Ribonuclear Protein U (HnRNP-U) in Glomerular Endothelial Cells (EC). Poster Session at the **Annual Meeting of the American Society of Nephrology**, Philadelphia, PA, USA, November 2008.
17. **Marya Obeidat**. The PP1c Regulatory Subunit TIMAP Regulates Endothelial Cell Migration. Invited presentation; **Annual Western Canadian Kidney Research Symposium**, Edmonton, Alberta, Canada, October 2008.
18. **Marya Obeidat**, Laiji Li, Kathy Kozlowski, Barbara J. Ballermann. The Protein Phosphatase-1 Regulatory Subunit TIMAP controls Endothelial Cell (EC) Motility. Poster Session at the **Gordon Research Conference (Endothelial Cell phenotypes in Health and Disease)**, Biddeford, ME, USA, August 2008.
19. **Marya Obeidat**. TIMAP Regulates Endothelial Cell Myosin Light Chain Phosphorylation. Poster session at **Medicine Research Day**, Edmonton, Alberta, Canada, May 2008.

20. **Marya Obeidat**. Role for TIMAP in the Regulation of Endothelial Cell Motility. Invited presentation; **Signal Transduction Research Group Retreat**, Edmonton, Alberta, Canada, May 8, 2008.
21. Laiji Li, Kathy Kozlowski, **Marya Obeidat**, Barbara J. Ballermann. The Protein Phosphatase 1 Targeting Subunit TIMAP Regulates Filopodia Formation in Glomerular Endothelial Cells. Poster Session at the **Annual Meeting of the American Society of Nephrology**, San Francisco, CA, USA, November 2007.
22. **Marya Obeidat**, Binytha Wegner, Steve C. Kulak, John Paes, Mark A. Berryman, Barbara J. Ballermann. The Chloride Intracellular Channel CLIC5A Regulates Glomerular Ultrastructure In Vivo. Poster Session at the **Annual Meeting of the American Society of Nephrology**, San Francisco, CA, USA, November 2007.
23. Laiji Li, Kathy Kozlowski, **Marya Obeidat**, Barbara J. Ballermann. Phosphorylation of TIMAP by PKA and GSK-3 β Regulates TIMAP-Associated Protein Phosphatase 1 (PP1c) Activity. Oral Presentation at the **Annual Meeting of the American Society of Nephrology**, San Francisco, CA, USA, November 2007.
24. **Marya Obeidat**. TIMAP Regulates Endothelial Cell Motion". Invited presentation; **Signal Transduction Research Group Retreat**, Edmonton, Alberta, Canada, May 11, 2007.

ATTENDANCE:

1. The 29th session of the ICGEB board of governors meeting, Cape Town, South Africa, May 10-11, 2023. **Role: Deputy governor of Jordan**.
2. Graduate Research Conference, Jordan University of Science and Technology, Irbid, Jordan, 2019.
3. The 3rd International Conference on Research and Ethics in Jordan: Publications and Authorship, Jordan University of Science and Technology, Irbid, Jordan, Jul 3, 2018.
4. Graduate Research Conference, Jordan University of Science and Technology, Irbid, Jordan, 2018
5. Medicine Research Day, Edmonton, Alberta, Canada, 2015

6. Signal Transduction Research Group Symposium, 2015
7. Medicine Research Day, Edmonton, Alberta, Canada, 2013
8. Medicine Research Day, Edmonton, Alberta, Canada, 2011
9. Medicine Research Day, Edmonton, Alberta, Canada, 2009
10. Medicine Research Day, Edmonton, Alberta, Canada, 2007

JOURNAL CLUB PRESENTATIONS

- | | |
|-----------|---|
| 2007-2015 | 2 presentations/year at Nephrology Research Seminar,
Department of Medicine, University of Alberta, Canada |
| 2006-2013 | 2 presentations/year at Signal Transduction Research Group,
Department of Biochemistry, University of Alberta, Canada |

HONORS and AWARDS

- | | |
|---------------------------------------|---|
| May 17 2012 | Second-best Poster Presentation award at Medicine Research Day, University of Alberta, Edmonton, Alberta, Canada. |
| 2007-2015 | Canada Research Chair-PhD scholarship at University of Alberta, Edmonton, Alberta, Canada. |
| 2003-2004 | Graduate Teaching Assistant Scholarship, Jordan University of Science and Technology, Jordan. |
| 2000-2003 | Higher Education Scholarship for outstanding undergraduate students, University of Science and Technology, Jordan. |
| 2000-2001 | Undergraduate Honor Award for achieving a high cumulative grade, Jordan University of Science and Technology, Jordan. |
| 1999-2000
2 nd semester | Undergraduate Honor Award for achieving a high cumulative grade, Jordan University of Science and Technology, |

Jordan.

1999-2000
1st semester

Undergraduate Honor Award for achieving high cumulative grade, Jordan University of Science and Technology, Jordan.

VOLUNTEERING

May 29, 2022	Organized a cervical cancer awareness day during the open Week of activities for the Faculty of Medical Applied Sciences, JUST
Aug 20, 2022	A seminar about college choices for high school students and their families was organized by the Faculty of Applied Medical Sciences. Asarih, Jordan
2017-2019	Youth mentor, World Associates LTD, Irbid, Jordan
2017-2019	Women's Fitness and Wellness Coach, World Associates LTD, Irbid, Jordan.
2016-2019	Discussion lead: women's physical and mental health, women's education and empowerment, parenting, and Child Education, World Associates LTD, Irbid, Jordan.
Nov 5, 2018	Organized a breast cancer awareness day at World Associates LTD Irbid, Jordan.
2016- 2017	Chair of Parent Council at American University Schools of the Middle East, Irbid, Jordan.
Mar- Jun 2016	Cultural Day Event planning committee, Garneau School, Edmonton, Alberta, Canada.
2015-2016	Member of the parent council at Garneau School, Edmonton, Alberta, Canada.
May 2015	Judge at Let's Talk Science, Edmonton, Alberta, Canada.
Jun-Dec 2006	Research Assistant Volunteer, Department of Medicine, University of Alberta, Edmonton, Alberta, Canada.