



Personal Information

Name	Heba M. Kalbouneh
Place and date of birth	Wadi Seer 28/12/1982
Nationality	Jordanian
Address	Department of Anatomy, Histology and Embryology School of Medicine The University of Jordan Amman 11942, Jordan Tel (office): 00962 6 5355000 ext. 23433 Mobile: 00962 797562391 Email: heba.kalbouneh@ju.edu.jo Heba.kalbouneh@gmail.com

Qualifications

Qualification	Specialization	University of donor rank	Date
PhD	Human Anatomy	School of Medicine, University of Heidelberg Germany	2013
MSc	Anatomy, Histology & Embryology	School of Medicine, University of Jordan Jordan	2008
DDS	Doctor of Dental Surgery	School of Dentistry, University of Jordan Jordan	2005

Specialization and domain of interest

Specialization	Anatomy
Domain of interest	Neurological diseases, Radiographic and Clinical anatomy

Title and abstract of the doctoral thesis (within 150 words)

The functional consequences of gephyrin phosphorylation on inhibitory synapses.

CDK5 has been implicated in neural functions including growth, neuronal migration, synaptic transmission and plasticity of excitatory chemical synapses. Here we report robust effects of CDK5 on phosphorylation of the postsynaptic scaffold protein gephyrin and clustering of inhibitory GABAA receptors in hippocampal neurons. shRNA-mediated knockdown of CDK5 and pharmacological inhibition of cyclin-dependent kinases reduced phosphorylated gephyrin clusters and postsynaptic $\alpha 2$ -containing GABAA receptors. Phosphorylation of S270 is antagonized by PP1/PP2a phosphatase and site directed mutagenesis and in vitro phosphorylation experiments indicate that S270 is a putative CDK5 phosphorylation site of gephyrin. Our data suggest that CDK5 plays an essential role for the stability of gephyrin-dependent GABAA receptor clusters in hippocampal neurons.

Career Experience

Job Title	Place of work	Date
Full professor	Department of Anatomy, School of Medicine, University of Jordan	Jan 2022-current
Associate professor	Department of Anatomy, School of Medicine, University of Jordan	Sep 2017- Jan 2022
Assistant professor	Department of Anatomy, School of Medicine, University of Jordan	Sep 2013- Sep 2017
PhD student	Department of Anatomy, Faculty of Medicine, University of Heidelberg	Sep 2010-Sep 2013
Lecturer	Department of Anatomy, School of Medicine, university of Jordan	Oct 2008- Sep 2010
Teaching and research assistant	Department of Anatomy, School of Medicine, University of Jordan	Sep 2006- Oct 2008
Dentist	Private dental clinic	Feb 2006- Sep 2006

Dentist-internship	Ministry of health	July 2005-Jan 2006
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Administrative work and committee	Date
Graduation Committee, Faculty of Medicine, University of Jordan	2013/2014 2014/2015
Representative of Anatomy department at faculty board, Faculty of Medicine, University of Jordan	2013/2014 2014/2015
Student Counseling Committee, Faculty of Medicine, University of Jordan	2015/2016
Student Research Forum (SRF) Judging, Faculty of Medicine, University of Jordan	2015/2016
Curriculum Committee, Faculty of Medicine, University of Jordan	2016/2017
Educational Credential Assessment, Faculty of Medicine, University of Jordan	2016/2017
Head of a Committee assigned by the dean (studying the applicability of Anatomy TV -powered by Primal Pictures- in anatomy education)	2017/2018
Coordinator of Musculo-Skeletal System	2017/2018 2018/2019 2019/2020 2020/2021 2021/2022
Coordinator of Blood and Lymphoreticular System	2020/2021 2021/2022
Graduation Committee, Faculty of Medicine, University of Jordan	2019/ 2020 2020/2021 2021/2022
Scientific Research Committee, Faculty of Medicine, University of Jordan	2019/ 2020
Representative of Faculty of Medicine at Community Service for promotion Committee	2019/ 2020
Research Evaluation at The King Abdullah 2 Fund for Development	2019/ 2020
Guidance Committee, Faculty of Medicine, University of Jordan	2020/2021
Establishment of intercalated program in basic medical sciences in Jordan - iBMS-Jo, ERASMUS and Program of the European union	2019/2020 2020/2021
E-Learning and Blended Learning Committee, Faculty of Medicine, University of Jordan	2021/2022
Committee to consider students' excuses, Faculty of Medicine, University of Jordan	2021/2022 2022/2023
Postgraduate Committee at Department of Anatomy, Faculty of Medicine, University of Jordan	2019/2020 2021/2022 2022/2023 2023/2024 2024/2025
Assistant Dean for Students Affairs and Examinations, Faculty of Medicine, University of Jordan	2022/2023
Student investigation committee, Faculty of Medicine, University of Jordan	2022/2023
Chairman of the course coordinators committee, Faculty of Medicine, University of Jordan	2022/2023

Graduation Research Discussion committees	2020/2021 2021/2022 2022/2023 2023/2024
Chairman of the course coordinators committee, Faculty of Medicine, University of Jordan	2023/2024
Vice Dean for Examinations	2023/2024
Medical Education Development Committee and Website	2023/2024
Qualification of a doctor of medicine degree committee	2023/2024
Quality Assurance Committee	2023/2024
Student Elections Committee	2023/2024
Vice Dean for Academic Development and Student Affairs	2024/2025
Head of Students Excuses Committee, Faculty of Medicine, University of Jordan	2024/2025

Publications	
(2024) Melatonin mitigates cisplatin-induced cognitive impairment in rats and improves hippocampal dendritic spine density. <i>NeuroReport</i> . 35 (10), 657-663	Shahd Qutifan, Tareq Saleh, Nisreen Abu Shahin, Maha ELBeltagy, Fatimah Obeidat, Duaa Qattan, Heba Kalbouneh, Noor A Barakat, Mohammad Alsalem
(2024) Jordanian parental perception of screen time and its association with psychological distress: A cross-sectional design. <i>Pediatrics & Neonatology</i>	Jehad Feras AlSamhori, Ahmad A Toubasi, Dunia Z Jaber, Hadeel H Ghanem, Bayan I Thainat, Ahmad Feras AlSamhori, Heba Kalbouneh
(2024) Jordanian medical students' perspective on the impact of a Pass/Fail USMLE Step 1: A Cross-Sectional Investigation. <i>JAP Academy Journal</i> . 2 (2)	Hamza Asad Ghazzal, Yousef Omar, Dunia Z Jaber, Rahaf Melhem, Ibrahim Alzoraiqi, Ahmad A Toubasi, Heba Kalbouneh
(2023) Insomnia and Physical Activity Among Medical Students: a Cross-Sectional Study. <i>SN Comprehensive Clinical Medicine</i> . 5 (1), 266.	Ahmad A Toubasi, Jehad Feras AlSamhori, Rashad Saad Falih, Fatimah Alshadeedi, Abd Elrahman Firas Samhouri, Alaa Tarazi, Ahmad Feras AlSamhori, Heba M Kalbouneh
(2023) Burnout among university students during distance learning period due to the COVID-19 pandemic: A cross sectional study at the University of Jordan. <i>The International Journal of Psychiatry in Medicine</i> . 58 (3). 263-283	Ahmad A Toubasi, Manar M Hasuneh, Joud S Al Karmi, Tala A Haddad, Heba M Kalbouneh
(2023) The role of adenosine receptor ligands on inflammatory pain: possible modulation of TRPV1 receptor function. <i>Inflammopharmacology</i> . 31 (1) 337-347	Haddad, M., M. Alsalem, S. A. Aldossary, H. Kalbouneh, S. M. Jaffal, Q. Alshawabkeh, S. Al Hayek, O. Abdelhai, N. A. Barakat and K. El-Salem
(2023) Migration intent among Jordanian medical students: a nationwide cross-sectional investigation. <i>Postgraduate Medical Journal</i>	Yousef Omar, Assem Al Refaei, Abdallah Raed Al-Qawasmeh, Hamza Ghazzal, Heba Kalbouneh

(2022) Depressed Middle Eastern University Students in Home-Based Quarantine: A Forgotten Issue. <i>Journal of Young Investigators</i> . 25 (10)	Assem Al Refaei, Nour Shewaikani, Rand R Hafidh, Bayan Alsaid, Heba Kalbouneh
(2022) A cross sectional study: The association between sleeping quality and stress among second and third medical students at the University of Jordan. <i>The International Journal of Psychiatry in Medicine</i> . 57 (2), 134-152.	AA Toubasi, BR Khraisat, RB AbuAnzeh, HM Kalbouneh
(2022) Citalopram, but Not Fluoxetine May Improve Post-Stroke Recovery. <i>Circulation</i> . A10210-A10210	Ahmad A Toubasi, Heba M Kalbouneh, Farah H Albustanji, Yazan Y Obaid, Layla M Al-Harasis
(2022) Safety and Efficacy of SSRIs in Improving Poststroke Recovery: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> . 11(13): e025868	Heba M. Kalbouneh; Ahmad A. Toubasi; Farah H. Albustanji; Yazan Y. Obaid; Layla M. Al-Harasis
(2022) Burnout Among University Students During Distance Learning Period due to the COVID-19 Pandemic: A Cross Sectional Study at the University of Jordan. <i>The International Journal of Psychiatry in Medicine</i> .	Ahmad A. Toubasi, Manar M. Hasuneh, Joud S. Al Karmi, Tala A. Haddad, Heba M. Kalbouneh
(2022) The Anatomical Variations of the Lateral Sesamoid Bones of the Foot: A Retrospective Radiographic Analysis. <i>Folia Morphologica</i>	Heba Kalbouneh, Omar Alajoulin, Jamil Shawaqfeh, Diala Abu-Hassan, Sara Al-Juboori, Shehab Jaber, Lara Alshabatat, Talal Massad, Mohammad Alsalem
(2022) Quality of distance learning after one and a half year from its integration due to the COVID-19 pandemic: A cross-sectional study at the University of Jordan. <i>Cureus</i> 14(12)	Ahmad A Toubasi, Sarah M Al-Harasis, Yazan Y Obaid, Farah H Albustanji, Heba M Kalbouneh
(2021) Estimation of sex based on metrics of the sternum in a contemporary Jordanian population: A computed tomographic study. <i>Medicine</i> 100 (49): e28169	Heba Kalbouneh, Nidaa Mubarak, Salah Daradkeh, Omar Ashour, Ahmad Muneer Alkhatib, Lojayn Subohd , Amani Nofald , Waleed Mahafzah, Mohammad Alsalem
(2021) Accessory ossicles in the region of the foot and ankle: An Epidemiologic Survey in a Jordanian Population. <i>Medicina</i> . 57, 1178	Heba Kalbouneh, Omar Alajoulin, Jameel Shawaqfeh, Ayman Mustafa, Shehab Jaber, Shaima' Zaben, Jafar Zaben, Mohammad Alsalem.
(2021) Estimation of sex from measurements of foramen magnum region in a contemporary Jordanian population: A computed tomographic study. <i>Anthropologischer Anzeiger</i> . 78 (4): 317–329	Heba Kalbouneh; Nidaa Mubarak; Jamil Shwaqfeh; Mohammad Nawaiseh; Omar Ashour; Ahmad Muneer Alkhatib; Bilal Odeh; Waleed Mahafzah; Mohammad Alsalem
(2021) A Comprehensive Study of the Anatomical Variations of the Posterolateral Tubercle of Talus. <i>International Journal of</i>	Heba Kalbouneh, Mohammad Alsalem, Maysoon Bani-Hani, Hamzeh Alhusamiah, Yazan Momani, Talal Massad,

Morphology. 39(3):858-863	Tamer Barakat, Omar Alajoulin
(2021) A cross sectional study: The association between sleeping quality and stress among second and third medical students at the University of Jordan. The International Journal of Psychiatry in Medicine.	Ahmad Toubasi, Bann Khraisat, Ruba AbuAnzeh, Heba Kalbouneh
(2021) Alkaptonuria with extensive ochronotic degeneration of the Achilles tendon and its surgical treatment: a case report and literature review. Asian Biomedicine. 15(3):129-136	Nesrin Mwafi, Ali Alasmar, Monther Al-Momani, Sattam Alazaydeh, Omar Alajoulin, Mohammad Alsalem, Heba Kalbouneh
(2021) Gender and age-related differences in the morphometry of corpus callosum: MRI study. European Journal of Anatomy. 25(1):15-24	Maher T. Al-Hadidi, Heba M. Kalbouneh, Ashraf Ramzy, Aiman Al Sharei, Darwish H. Badran, Amjad Shatarat, Emad S. Tarawneh, Waleed S. Mahafza, Fadi A. Al-Hadidi, Azmy M. Hadidy
(2021) Age of the donor affects the nature of in vitro cultured human dental pulp stem cells. Saudi Dental Journal.	Heba Alzer, Heba Kalbouneh, Firas Alsoleihat, Nisreen Abu Shahin, Soukaina Ryalat, Mohammad Alsalem, Hazem Alahmad , Lubna Tahtamouni
(2020) Impairment in locomotor activity as an objective measure of pain and analgesia in a rat model of osteoarthritis. Experimental and Therapeutic Medicine. 20: 165	Mohammad Alsalem, Mansour Haddad, Ahmad Altarifi, Sara A. Aldossary, Heba Kalbouneh, Ala M. Abojaradeh, Khalid El-Salem
(2020) Analgesic Effects and Impairment in Locomotor Activity Induced by Cannabinoid/Opioid Combinations in Rat Models of Chronic Pain. Brain Sciences. 10(8):523	Mohammad Alsalem, Ahmad Altarifi, Mansour Haddad, Belal Azab, Heba Kalbouneh, Amer Imraish, Tareq Saleh, Khalid El-Salem
(2020) The desensitization of the transient receptor potential vanilloid 1 by nonpungent agonists and its resensitization by bradykinin. Neuroreport. 31(11):781-786	Mohammad Alsalem, Sara Aldossary, Mansour Haddad, Ahmad Altarifi, Heba Kalbouneh, Belal Azab, Ayman Mustafa, Sahar Jaffal, Khalid El-Salem
(2020) Assessment of the dental morphological pattern of living Jordanian Arabs suggesting a genetic drift from the Western-Eurasia pattern: A cone beam computed tomography study. 77 (3)	Abeer Alhadidi, Heba Alzer, Heba Kalbouneh, Thaer Abu-Ghlassi, Firas Alsoleihat
(2019) Antinociceptive and Abuse Potential Effects of Cannabinoid/Opioid Combinations in a Chronic Pain Model in Rats. Brain Sciences. 9(11):328	Alsalem M, Altarifi A, Haddad M, Aldossary S, Kalbouneh H, Aldaoud N, Saleh T., Alsalem K.
(2019) Incidence of symptomatic os trigonum among non-athletic patients with ankle sprain. Surgical and Radiological Anatomy. 41(Suppl 6):1-7	Kalbouneh H, Alajoulin O, Alsalem M, Mansour Y, Shwaqfeh J, Altarawneh T, Alhusni D, Almuhtaseb M.
(2019) Morphometric study of the facial	Mustafa A, Abusamara H, Kanaan N,

skeleton in Jordanians: A computed tomography scan-based study, <i>Forensic science international</i> . 302(1036):109916	Alsalem M, Allouh M, Kalbouneh H.
(2019) Neonatal Exposure to Citalopram Increases Pyramidal and Granular Cell Density in Dorsal Hippocampus of Male but not Female Adult Rats: A Quantitative Nissl Study. <i>International journal of morphology</i> . 37(2):576-583	Kalbouneh H, Alzghoul L.
(2019) Effects of Dual Peroxisome Proliferator-Activated Receptors α and γ Activation in Two Rat Models of Neuropathic Pain. <i>PPAR research</i> . (54):1-9	Alsalem M, Haddad M, Aldossary S., Kalbouneh H, Azab B, Dweik A, Imraish A, Alsalem K.
(2019) Role of cannabinoid receptor 1 and the peroxisome proliferator-activated receptor α in mediating anti-nociceptive effects of synthetic cannabinoids and a cannabinoid-like compound. <i>Inflammopharmacology</i> . 27 (6)	Alsalem M, Haddad M, Aldossary S., Kalbouneh H, Altarifi A, Jaffal S, Abbas M, Aldaoud N, Alsalem K.
(2019) The role of transient receptor potential vanilloid receptor 1 and peroxisome proliferator-activated receptors- α in mediating the antinociceptive effects of palmitoylethanolamine in rats. <i>Neuroreport</i> . 30(1):1	Aldossary S, Alsalem M, Kalbouneh H, Haddad M, Azab B, Alshboul O, Mustafa A, Obiedat S, Alsalem K.
(2017) Incidence and anatomical variations of accessory navicular bone in patients with foot pain: A retrospective radiographic analysis. <i>Clin Anat</i> . 30 (4): 436–444	Kalbouneh H, Alajoulin O, Alsalem M, Humoud N, Shawaqfeh J, Alkhouljah M, Abu-Hassan H, Mahafza W, Badran D.
(2017) Age Prediction in the Adult Based on the Pulp-to-Tooth Ratio in Lower Third Molars: A Cone-beam CT Study. <i>International Journal of Morphology</i> . 35(2); 488-493	Alsoleihat F, Alshayyab M, Kalbouneh H, Al-Zer H, Ryalat S, Alhadidi A, Saoud H, Shaweesh A, Al-Omouh S, Khraisat A.
(2016) Forebrain-specific loss of synaptic GABA receptors results in altered neuronal excitability and synaptic plasticity in mice. <i>Mol Cell Neurosci</i> . 72:101-113.	O'Sullivan G.A., Jedlicka P., Chen H.X., Kalbouneh H., Ippolito A., Deller T., Nawrotzki R.A., Kuhse J., Kalaidzidis Y.L., Kirsch J., Schwarzacher S.W., Betz H.
(2016) The patellofemoral joint alignment in patients with symptomatic accessory navicular bone. <i>Italian Journal of Anatomy and Embryology</i> . 121(2): 148-158	Heba M Kalbouneh, Abdullah O Alkhawaldah, Omar A Alajoulin, Mohammad I Alsalem.
(2016) Role of PPAR α and PPAR γ in Mediating the Analgesic Properties of Ibuprofen in vivo and the Effects of Dual PPAR α/γ Activation in Inflammatory Pain Model in the Rat. <i>International Journal of Pharmacology</i> . 12:812-820	Mohammad Alsalem, Ahmad Altarifi, Heba Kalbouneh, Heba Al- Zer, Belal Azab, Khalid El- Salem.
(2016) Normal values of Quadriceps angle	Islam Tarawneh, Alajoulin Omar, Abdullah

and its correlation with anthropometric measures in a group of Jordanians. JRMS 23:53-58.	Alkhawaldah, Heba Kalbouneh, Amjad Shatarat, Darwish Badran, Maher Hadidi.
(2015) Dental pulp stem cells-derived schwann cells for peripheral nerve injury regeneration. Neural Regeneration Research. 10:1945-1946	Al-Zer H., Kalbouneh H.
(2015) Spontaneous Achilles tendon rupture in alkaptonuria. Saudi Med J. 36:1486-1489	Alajoulin O.A., Alsbou M.S., Ja'afreh S.O., Kalbouneh H.M.
(2015) Ultrasonographic assessment of splenic volume and its correlation with body parameters in a Jordanian population. Saudi Med J. 36:967-972	Badran D.H., Kalbouneh H.M., Al-Hadidi M.T., Shatarat A.T., Tarawneh E.S., Hadidy A.M., Mahafza W.S.
(2014) Cyclin-dependent kinase 5 is involved in the phosphorylation of gephyrin and clustering of GABAA receptors at inhibitory synapses of hippocampal neurons. PLoS One. 9:e104256.	Kalbouneh H., Schlicksupp A., Kirsch J., Kuhse J.
(2012) Phosphorylation of gephyrin in hippocampal neurons by cyclin-dependent kinase CDK5 at Ser-270 is dependent on collybistin. J Biol Chem. 287:30952-30966.	Kuhse J., Kalbouneh H., Schlicksupp A., Mukusch S., Nawrotzki R., Kirsch J.

Scientific conferences and symposia

Conference Title	Place and date of conference	Type of participation
Arab Simulation Conference in Medical Education	Bahjat Al-Talhouni Auditorium- University of Jordan.	Participant
8th World Congress on Healthcare and Medical Tourism (Health Congress	Dubai 2016	Speaker
2nd Global conference on Mental Health	Bahjat Al-Talhouni Auditorium- University of Jordan. 5th-7th October 2017.	Participant
The Scientific Research Conference organized by the University of Jordan Students' Union	Bahjat Al-Talhouni Auditorium- University of Jordan. February 29, 2019	Speaker
The 9th Scientific Research Conference	Agriculture Faculty, University of Jordan. 9 November, 2019	Participant

Training courses

Name of course	Date
Faculty and administrators benefit from Microsoft applications. Center for Excellence in Learning and Teaching. University of Jordan.	27 th November, 2024
World Rankings of the Faculty of Medicine QS. Accreditation and Quality Assurance center, University of Jordan	29 th August, 2024
Research impact and increasing citation rates. Accreditation and Quality Assurance center, University of Jordan	26 th November, 2023
Preparing model lectures and creating interactive content using H5P tools. Accreditation and Quality Assurance center, University of Jordan	12 th October, 2023
Committee to study the Application for Special Accreditation for the specialty of Doctor of Medicine at Ibn Sina University for Medical Sciences. Higher Education Accreditation and Quality Assurance Commission, Jordan	29 th November, 2022
Mendeley application to organize references and help in writing research papers Workshop School of Medicine, University of Jordan	18 th April, 2021
Research ethics and institutional review boards by ERASMUS and Program of the European union	16 th February, 2021
Utilization of Telemedicine and information technology in health care by ERASMUS and Program of the European union	10 th February, 2021
Six-hour course on Good Clinical Practice by NIDA Clinical Trials	16 th November, 2020
Optimize your course on eLearning website and Moodle App, School of Medicine, University of Jordan	28 th November, 2020
Exam blueprinting, School of Medicine, University of Jordan	21 st November, 2020
How to organize online exams (+/- distance observation) using LM system, School of Medicine,	8 th November, 2020

University of Jordan	
Covid-19 in Jordan (scientists talk) by ERASMUS and Program of the European union	17 th October, 2020
TUMS virtual workshop funded by ERASMUS and Program of the European union. Training for medical education via innovative e-technology, Tehran University of Medical Sciences	31 st August to 21 st September, 2020
Using Microsoft Teams in Facilitating Distance Learning Process (ONLINE). Accreditation and Quality Assurance center, University of Jordan	17 th June, 2020
Techniques of Managing Online Educational Meeting (ONLINE). Accreditation and Quality Assurance center, University of Jordan	27 th July, 2020
How to build an exam on JU e-Exam (ONLINE) Accreditation and Quality Assurance center, University of Jordan	16 th May, 2020
Best Practices for Teaching Interactive practical Material Remotely (ONLINE). Accreditation and Quality Assurance center, University of Jordan	26 th August, 2020
Management of Simultaneous Live Lectures Remotely (ONLINE), Accreditation and Quality Assurance center, University of Jordan	17 th December, 2020
Scientific Research Skills, Accreditation and Quality Assurance center, University of Jordan	28 th November, 2019
Ethics of teaching From A Practical Perspective Accreditation and Quality Assurance center, University of Jordan	27 th November, 2019
Patents and Intellectual Properties, Accreditation and Quality Assurance center, University of Jordan	19 th November, 2019
Management and Leadership Skills. Accreditation and Quality Assurance center, University of Jordan	18 th November, 2019
Introduction to Simulation in Medical Education School of Medicine, University of Jordan	14 th November, 2019
Publishing Your Paper in a Peer Reviewed Journals Workshop by Emerald Publishing	7 th November, 2019
Training and management meeting ERASMUS PLUS project MediTec Staff Training, University of Malta	26-29 th June, 2019
Writing Multiple Choice Questions (MCQs) Workshop, School of Medicine, University of Jordan	12-13 th March, 2019
E-learning at University of Jordan Workshop King Abdullah II School of Information Technology University of Jordan	6 th December, 2018
Comprehensive Approach of HA Filler Injection in Facial Areas- Hands-On Training L1 Jordanian Society of Oral and Maxillofacial Surgery Istishari Hospital- Amman, Jordan	30 th November, 2017

Problem Based Learning (PBL) Workshop School of Medicine, University of Jordan	22 nd July, 2017
How To Get Author Published Workshop, by Taylor & Francis. University of Jordan	30 th March, 2017
Scientific research and academies: importance, sources of funding and methods of documentation. Association of Jordanian Women Academics	18 th March, 2017
Web of science and Endnote training Workshop. The intellectual Property and Science department of Thomson Reuters, University of Jordan	26 th Oct, 2016
How to integrate basic clinical skills and simulation adjuncts in an undergraduate medical curriculum, University of Jordan	6 th Oct, 2016
Briefing and debriefing practices in simulation Workshop, University of Jordan	5 th Oct, 2016
Academic and Educational Counseling Workshops, School of Medicine, University of Jordan	2 nd April, 2016
Presenting Research Results, Department of Key Competencies and Graduate Academy of the University of Heidelberg, Germany.	14 th -15 th May, 2012
Laboratory Animal Science and Methods of Animal Experimentation, Faculty of Biomedical Sciences, Ruprecht-Karls-University Heidelberg, Germany	16 th -27 th January, 2012
Development of Educational Skills, University of Jordan	5 th -13 th June, 2009

Teaching activities

Taught Courses	Bachelor	Graduate
Histology for Master Students		X
Head and Neck Anatomy for Master Students		X
Musculoskeletal System (Anatomy, Histology and Embryology)	X	
Histology for Medical and Dental Students	X	
Hemato-Lymphoid System (Anatomy, Histology and Embryology)	X	
Anatomy and Histology for Pharmacy	X	
Introduction to Histology for Medicine	X	
Anatomy of limbs, abdomen and thorax	X	
General Anatomy for Nursing	X	
Anatomy for Rehabilitation	X	

Academic Supervision

- 1- Master degree student: Hadeel Odeh. Thesis title "**Sexual Dimorphism in The Rodent Limbic System: A Morphometric Nissl Study**" graduated in June 2019.
- 2- Master degree student: Sokiyna Salem Al-Msia'din. Thesis title "**MORPHOMETRIC STUDY OF SEXUAL DIMORPHISM IN PELVIC, SACRAL AND COCCYGEAL MEASUREMENTS OF A CONTEMPORARY JORDANIAN POPULATION USING MULTIDETECTOR COMPUTED TOMOGRAPHY**" graduated in May 2023.
- 3- Master degree student: Shahd Qutifan. Thesis title "**The Effect of Melatonin on Cisplatin-Induced Cognitive Impairment in Rats**" graduated in June 2023.
- 4- Master degree student: Baker Fathi Al-mobaideen. Thesis title "**ESTIMATION OF SEX USING SCAPULAR AND CLAVICULAR MEASUREMENTS IN A CONTEMPORARY JORDANIAN POPULATION: A COMPUTED TOMOGRAPHIC STUDY**" graduated in January 2024.

Membership in scientific and professional bodies and societies
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Name and place of scientific body and society	Date
Jordan Dental Association	2006
Association of Jordanian Women Academics	2015
Alkaptonuria Research Association	2015
Three circles of ALEMAT	2014
German Graduate Association	2013

Academic Referees

Professor Islam Massad
President of Yarmouk University, Past Principal of Jordan University
Hospital, Past Dean, School of Medicine
The University of Jordan, Amman – Jordan
i_massad@ju.edu.jo

Professor Dr. Med. Joachim Kirsch
Head of Anatomy and Cell Biology Department
School of Medicine, University of Heidelberg, Germany
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Professor Dr. rer. nat. Jochen Kuhse
Anatomy and Cell Biology Department
School of Medicine, University of Heidelberg, Germany
jochen.kuhse@urz.uni-heidelberg.de