Curriculum Vitae

Contact Information:

- **Name:** Rowida Almomani
- **Mobile:** +962-791149328
- **Current Work Address:**
  - Department of Medical Laboratory Sciences
  - Faculty of Applied Medical Sciences
  - Jordan University of Science and Technology
  - P.O. Box 3030, Irbid 22110, Jordan
  - **Phone:** Office (962) 2-7201000, ex. 23774
  - **Email:** rfalmomani7@just.edu.jo

Education:

- **Ph.D. in Human Genetics**
  - Faculty of Medicine, Leiden University, the Netherlands
  - Date: 19-06-2013
  - Thesis Title: The Use of New Technology to Improve Genetic Testing
- **Master's Degree in Applied Biology**
  - Jordan University of Science and Technology, Irbid, Jordan
  - Date: 2002-2005
  - Thesis Title: Screening for Common mtDNA Mutations, Especially for Those Causing MERRF, MELAS Disorders Among Jordanian Population (Excellent Grade)
- **Bachelor's Degree in Biology**
  - Mutah University, Mutah, Jordan
  - Date: 1997 – 2001
  - Honors: Excellent Grade with Honor Degree

Work Experience:

- **Associate Professor**
  - Department of Medical Laboratory Sciences, Jordan University of Science and Technology (JUST)
  - Date: May 2023-present
- **Assistant Professor**
  - Department of Medical Laboratory Sciences, Jordan University of Science and Technology
  - Date: March 2017-April 2023
- **Guest Researcher**
  - Department of Human Genetics and Cell Biology, Maastricht University, The Netherlands
  - Date: April 2017-January 2023
- **Dean Assistant**
  - Faculty of Applied Medical Sciences, Jordan University of Science and Technology
  - Date: September 2019-September 2022
- **Team Member**
  - Neuromuscular Diseases Center Maastricht, The Netherlands
  - Date: January 2015-April 2017
- **Work Package (WP2) Leader**

    - PROPANE Study, an international collaborative project
    - Date: January 2015-April 2017
- **Postdoctoral Researcher**
    - Department of Human Genetics and Cell Biology, Maastricht University, The Netherlands
    - Date: May 2014-April 2017
- **Postdoctoral Researcher**
    - Department of Human Genetics, University Medical Center Groningen (UMCG), Groningen, University of Groningen
    - Date: January 2012-April 2014

- **Member, Main Procurement Committee for Supplies and Consulting Services**
  Jordan University of Science and Technology | 2020–2024

- Evaluated procurement requests for supplies and consulting services to ensure compliance with university policies and budgetary constraints.
- Reviewed vendor proposals, assessed qualifications, and contributed to contract negotiations.
- Assisted in decision-making processes to enhance cost-effectiveness, efficiency, and transparency in procurement.

Practical Experience and Laboratory Techniques:

- **Next Generation Sequencing (NGS) Technologies and Assays:**
    - Sample preparation for Illumina (Hiseq, Miseq, and Nextseq)
    - DNA fragmentation using nebulization, sonication, and by Covaris
    - Targeted NGS enrichment methods: Capture by Circularization (Molecular Inversion Probes (MIPs)), Capture by Hybridization
- **NGS Data Analysis:**
    - Experienced in NGS data analysis by ClC bio-software and nextgen software
    - Extensive experience in NGS data visualization using genome browsers such as UCSC, Alamut software, and Integrative Genomics Viewer (IGV)
    - Extensive experience in analyzing NGS data using established workflows, evaluating data quality (QC measures), and applying analysis approaches to aid variant prioritization
    - Highly experienced in disease-focused genomics projects
    - Experienced in genetic variations classification
    - Experience with commonly used public genomics datasets (1000 genomes, ExAC, OMIM, ClinVar, HGMD, GoNl, NHLBI GO Exome Sequencing Project (ESP), etc.)
    - NGS sequencing analysis tools, including BWA, GATK, Picard, Samtools, and using R language
    - **PCR Techniques:**
    - PCR**,** Nested PCR, ARMS, Long-range PCR, Real-time PCR, RT-PCR
    - Primes and probes design
- **Microarrays:**
    - CGH arrays and custom arrays for copy number variation detection (CNVs)
- **Gel Electrophoresis:**
    - Agrose and Polyacrylamide gel, gel documentation system

    - DNA fragment size selection, gel extraction, and purification
- **High-Resolution Melting Analysis (HRMCA)**
- **DNA and RNA Isolation:**
    - Nucleic acid concentration measurements (Nanodrop, bioanalyzer from Agilent, and Qubit assay)
    - cDNA synthesis
- **Sanger Sequencing and Data Analysis**
- **Cell and Tissue Culture**
- **Mononuclear Cells Isolation**
- **Western Blot**
- **Multiplex Ligation-Dependent Probe Amplification (MLPA)**
- **Scientific Writing:**
    - Articles, documents, and research reports
    - Preparation of summaries, abstracts, conference presentations, and publications based on conducted research
- **Grant Proposals Writing**
- **Supervision and Mentoring:**
    - Guide and supervise researchers, technicians, graduate and undergraduate students

Work Experience in Diagnostic Settings:

- Optimized and validated the HR-MCA method for scanning all coding exons of the *DMD* gene in diagnostic settings at Leiden University Medical Center (LUMC), the Netherlands
- Participated in validating targeted next-generation sequencing (in-solution custom made kit) to capture and sequence 55 genes associated with cardiomyopathy at University Medical Center Groningen (UMCG), the Netherlands
- Optimized and validated molecular inversion probes technique followed by next-generation sequencing (MIPs-NGS) for diagnostic screening of patients with neuropathic pain at University Medical Center, Maastricht University, the Netherlands

Publications

- 1. **Almomani R**, van der Stoep N, Bakker E, den Dunnen JT, Breuning MH, Ginjaar IB. Rapid and cost effective detection of small mutations in the *DMD* gene by high resolution melting curve analysis. **Neuromuscular Disorders**. 2009;19: 383–390. doi:10.1016/j.nmd.2009.03.004

- 2. **Sun Y*, Almomani R***, Aten E, Celli J, Van Der Heijden J, Venselaar H, et al. Terminal osseous dysplasia is caused by a single recurrent mutation in the *FLNA* gene. **American Journal of Human Genetics.** 2010;87: 146–153. doi:10.1016/j.ajhg.2010.06.008. **The authors contributed equally to this work**

- 3. **Almomani R**, Van Der Heijden J, Ariyurek Y, Lai Y, Bakker E, Van Galen M, et al. Experiences with array-based sequence capture; Toward clinical applications. **European Journal of Human Genetics**. 2011;19: 50–55. doi:10.1038/ejhg.2010.145.

- 4. Santen GWE, Aten E, Sun Y, **Almomani R**, Gilissen C, Nielsen M, et al. Mutations in SWI/SNF chromatin remodeling complex gene *ARID1B* cause Coffin-Siris syndrome. **Nature Genetics.** 2012;44: 379–380. doi:10.1038/ng.2217

- 5. Lemmers RJ, Tawil R, Petek LM, Balog J, Block GJ, Santen GW, Amell AM, van der Vliet PJ, **Almomani R**, et al. Digenic inheritance of an *SMCHD1* mutation and an FSHD-permissive D4Z4 allele causes facioscapulohumeral muscular dystrophy type 2. **Nature Genetics**. 2012;44: 1370–1374. doi:10.1038/ng.2454

- 6. Aten E, Sun Y, **Almomani R**, Santen GWE, Messemaker T, Maas SM, et al. Exome Sequencing Identifies A Branch Point Variant in Aarskog-Scott Syndrome. **Human Mutation**. 2013;34: 430–434. doi:10.1002/humu.22252

- 7. **Almomani R**, Sun Y Aten E, Hilhorst-Hofstee Y, Peeters-Scholte CM, van Haeringen A, Hendriks YM, den Dunnen JT, Breuning MH, Kriek M, Santen GW. *GPSM2* and Chudley–McCullough Syndrome: A Dutch Founder Variant Brought to North America. **American Journal of Medical Genetics, Part A**. 2013;161: 973–976. doi:10.1002/ajmg.a.35808

- 8. Sun Y*, **Almomani R***, Breedveld GJ, Santen GWE, Aten E, Lefeber DJ, et al. Autosomal Recessive Spinocerebellar Ataxia 7 (SCAR7) is Caused by Variants in TPP1, The Gene Involved in Classic Late-Infantile Neuronal Ceroid Lipofuscinosis 2 Disease (CLN2 Disease). **Human Mutation**. 2013;34: 706–713. doi:10.1002/humu.22292. ***The authors contributed equally to this work**

- 9. Sikkema-Raddatz B, Johansson LF, de Boer EN, **Almomani R**, Boven LG, van den Berg MP, et al. Targeted Next-Generation Sequencing can Replace Sanger Sequencing in Clinical Diagnostics. **Human Mutation**. 2013;34: 1035–1042. doi:10.1002/humu.22332

- 10. Van Spaendonck-Zwarts KY, Posafalvi A, Van Den Berg MP, Hilfiker-Kleiner D, Bollen IA, Sliwa K, Alders M, **Almomani R**, et al. Titin gene mutations are common in families with both peripartum cardiomyopathy and dilated cardiomyopathy. **European Heart Journal.** 2014;35: 2165–2173. doi:10.1093/eurheartj/ehu050

- 11. **Almomani R**, Verhagen JMA, Herkert JC, Brosens E, van Spaendonck-Zwarts KY, Asimaki A, et al. Biallelic Truncating Mutations in *ALPK3* Cause Severe Pediatric Cardiomyopathy. **Journal of the American College of Cardiology.** 2016;67: 515–525. doi:10.1016/j.jacc.2015.10.093

- 12. Martinelli-Boneschi F, Colombi M, Castori M, Devigili G, Eleopra R, Malik RA, Ritelli M, Zoppi N, Dordoni C, Sorosina M, Grammatico P, Fadavi H, Gerrits MM, **Almomani R**, et al. *COL6A5* variants in familial neuropathic chronic itch. **Brain**. 2017;140. doi:10.1093/brain/aww343

- 13. Van Den Berg MP, **Almomani R**, Biaggioni I, Van Faassen M, Van Der Harst P, Silljé HHW, et al. Mutations in *CYB561* causing a novel orthostatic hypotension syndrome. **Circulation Research.** 2018;122: 846–854. doi:10.1161/CIRCRESAHA.117.311949

- 14. Al-Qarqaz F, Marji M, Bodoor K, **Almomani R**, Al Gargaz W, Alshiyab D, et al. Clinical and Demographic Features of Basal Cell Carcinoma in North Jordan**. Journal of Skin Cancer**. 2018;2018. doi:10.1155/2018/2624054

- 15. Eijkenboom I, Sopacua M, Hoeijmakers JGJ, De Greef BTA, Lindsey P, **Almomani R**, et al. Yield of peripheral sodium channels gene screening in pure small fibre neuropathy. **Journal of Neurology, Neurosurgery and Psychiatry.** 2019;90: 342–352. doi:10.1136/jnnp-2018-319042

- 16. Al-Qarqaz F, Bodoor K, Al-Tarawneh A, Eloqayli H, Al Gargaz W, Alshiyab D, Muhaidat J, Alqudah M, **Almomani R**, Marji M. Basal Cell Carcinoma Pathology Requests and Reports Are Lacking Important Information. **Journal of Skin Cancer**. 2019;2019. doi:10.1155/2019/4876309

- 17. Alsaloum M, Estacion M, **Almomani R**, Gerrits MM, Bönhof GJ, Ziegler D, et al. A gain-of-function sodium channel β2-subunit mutation in painful diabetic neuropathy. **Molecular Pain**. 2019;15. doi:10.1177/1744806919849802

- 18. **Almomani R,** Herkert JC, Posafalvi A, Post JG, Boven LG, van der Zwaag PA, et al. Homozygous damaging *SOD2* variant causes lethal neonatal dilated cardiomyopathy. **Journal of Medical Genetics**. 2020;57: 23–30. doi:10.1136/jmedgenet-2019-106330

- 19. **Almomani R**, Khanfar M, Bodoor K, Al-Qarqaz F, Alqudah M, Hammouri H, et al. Evaluation of patched-1 protein expression level in low risk and high risk basal cell carcinoma subtypes. **Asian Pacific Journal of Cancer Prevention**. 2019;20: 2851–2857. doi:10.31557/APJCP.2019.20.9.2851

- 20. Bodoor K, **Almomani R**, Alqudah M, Haddad Y, Samouri W. LAT1 (SLC7A5) overexpression in negative her2 group of breast cancer: A potential therapy target. **Asian Pacific Journal of Cancer Prevention**. 2020;21: 1453–1458. doi:10.31557/APJCP.2020.21.5.1453

- 21. Bodoor K, Al-Qarqaz F, Heis LA, Alfaqih MA, Oweis AO, **Almomani R**, Obeidat MA. IL-33/13 Axis and IL-4/31 Axis Play Distinct Roles in Inflammatory Process and Itch in Psoriasis and Atopic Dermatitis. **Clinical, Cosmetic and Investigational Dermatology**. 2020;13: 419–424. doi:10.2147/CCID.S257647

- 22. **Almomani R**, Marchi M, Sopacua M, Lindsey P, Salvi E, de Koning B, et al. Evaluation of molecular inversion probe versus TruSeq® custom methods for targeted next-generation sequencing. **PLoS ONE**. 2020;15. doi:10.1371/journal.pone.0238467

- 23. Oweis AO, AL-Qarqaz F, Bodoor K, Heis L, Alfaqih MA, **Almomani R**, et al. Elevated interleukin 31 serum levels in hemodialysis patients are associated with uremic pruritus. **Cytokine.** 2021;138: 155369. doi:10.1016/j.cyto.2020.155369

- 24. Mohaidat Z, Bodoor K, **Almomani R**, Alorjani M, Awwad MA, Bany-Khalaf A, et al. Hereditary multiple osteochondromas in Jordanian patients: Mutational and immunohistochemical analysis of *EXT1* and *EXT2*

genes. **Oncology Letters**. 2021;21: 1–10. doi:10.3892/ol.2020.12412

- 25. Obeidat M, Bodoor K, Alqudah M, Masaadeh A, Barukba M, **Almomani R**. TIMAP Upregulation Correlates Negatively with Survival in HER2- Negative Subtypes of Breast Cancer. **Asian Pacific Journal of Cancer Prevention**. 2021;22: 1899–1905. doi:10.31557/APJCP.2021.22.6.1899

- 26. Alsaloum M, Labau JIR, Sosniak D, Zhao P, **Almomani R**, Gerrits MM, et al. A novel gain-of-function sodium channel b2 subunit mutation in idiopathic small fiber neuropathy. **Journal of Neurophysiology**. 2021;126: 827–839. doi:10.1152/jn.00184.2021

- 27. Milena Ślęczkowska, **Rowida Almomani**, Margherita Marchi , Bianca T. A. de Greef, Maurice Sopacua, Janneke G. J. Hoeijmakers, Patrick Lindsey, Erika Salvi, Gidon J. Bönhof, Dan Ziegler, Rayaz A. Malik, Stephen G. Waxman, Giuseppe Lauria, Catharina G. Faber , Hubert J. M. Smeets and Monique M. Gerrits. Peripheral Ion Channel Gene Screening in Painful- and Painless-Diabetic Neuropathy. **International Journal of Molecular Sciences**. June 2022; 23(13):7190. DOI:10.3390/ijms23137190

- 28. Ślęczkowska M*, **Almomani R***, Marchi M, Salvi E, de Greef BTA, Sopacua M, Hoeijmakers JGJ, Lindsey P, Waxman SG, Lauria G, Faber CG, Smeets HJM, Gerrits MM. Peripheral Ion Channel Genes Screening in Painful Small Fiber Neuropathy**. Int J Mol Sci**. 2022 Nov 15;23(22):14095. doi: 10.3390/ijms232214095. ***The authors contributed equally to this work.**

- 29. Marchi M, Salvi E, Andelic M, Mehmeti E, D'Amato I, Cazzato D, Chiappori F, Lombardi R, Cartelli D, Devigili G, Dalla Bella E, Gerrits M, **Almomani R**, Malik RA, Ślęczkowska M, Mazzeo A, Gentile L, Dib-Hajj S, Waxman SG, Faber CG, Vecchio E, de Tommaso M, Lauria G. *TRPA1* rare variants in chronic neuropathic and nociplastic pain patients. **Pain**. 2023 Apr 19. doi: 10.1097/j.pain.0000000000002905.

- 30. **Rowida Almomani** [1,2,*,†], Maurice Sopacua [3,†], Margherita Marchi [4], Milena Ślęczkowska [2,5], Patrick Lindsey [2,5], Bianca T. A. de Greef [3], Janneke G. J. Hoeijmakers [3], Erika Salvi [4], Ingemar S. J. Merkies [3,6], Maryam Ferdousi [7], Rayaz A. Malik [7,8], Dan Ziegler [9], Kasper W. J. Derks [10], Gidon Boenhof [11], Filippo Martinelli-Boneschi [12], Daniele Cazzato [4], Raffaella Lombardi [4], Sulayman Dib-Hajj [13], Stephen G. Waxman [13], Hubert J. M. Smeets [2,5], Monique M. Gerrits [10], Catharina G. Faber [3,‡], Giuseppe Lauria [4,14,‡] and on behalf of the PROPANE Study Group. Genetic Profiling of Sodium Channels in Diabetic Painful and Painless and Idiopathic Painful and Painless Neuropathies. Accepted for Publication, ***Int. J. Mol. Sci.*** 2023

- 31. Yacoub AM, Mahasneh AA, Yassin A, **Almomani R**, Aqaileh S, Al-Mistarehi AH. Whole exome sequencing revealed ultra-rare genetic variations in juvenile myoclonic epilepsy. Neurol Sci. 2024 Nov 30. doi: 10.1007/s10072-024-07874-1.

- 32. Al-Kasasbeh AH, Khabour OF, **Almomani R**, Ababneh M, Ibdah R, Jarrah MI, Rawashdeh SI, Seif AM. The Association Between the rs2200733 SNP and Atrial Fibrillation Among Arabs: A Study from Jordan. **Biologics**. 2024 Dec

17;18:389-395. doi: 10.2147/BTT.S490891.

- 33. Batiha O, Al-Zoubi E, **Almomani R**, Al Smadi MA, Alrawabdeh S, Alshokaibi O, Abu-Farsakh H, Alkhateeb A, Abu-Halima M. Gene expression alterations in testicular biopsies from males with spermatogenesis arrest identified by transcriptome analysis. **PLoS One**. 2025 Sep 12;20(9):e0332025. doi: 10.1371/journal.pone.0332025. PMID: 40938846; PMCID: PMC12431239.

Manuscripts in Under Review:

1. **Whole Exome Sequencing Identifies Disease-Causing Variants in Jordanian Patients with Glycogen Storage Diseases**
    - *Authors:* Rowida Almomani1*, Moath M. AlQaisi2*, Saleem A. Banihani1, Wajdi Amayreh 3, Mo'men O. Alakil4, Khaldon Bodoor5
    - *Status:* Submitted for Review
2. **Whole Exome Sequencing Identifies Pathogenic Variants in Jordanian Patients with Cardiomyopathies**
    - *Authors:* Rowida Almomani, Abeer A. AbuZaina, Khaldon Bodoor, Bilal Azab, Sukaina I. Rawashdeh, Rasheed K. Ibdah
    - *Status:* Submitted for Review

Teaching Experience:

Master Courses:

- Advanced Molecular Biology
- Advanced Human Cytogenetics
- Advanced Human Genetics
- Special Topics in Human Genetics
- Research Thesis Proposal
- Advanced Biochemistry
- Seminar
- Advanced Molecular Genetics Practical Training
- Advanced Cytogenetics Diagnostic Practical Training

Bachelor Courses:

- Research Project
- Diagnostic Molecular Biology and Cytogenetic
- Diagnostic Molecular Biology and Cytogenetic Practical
- Molecular Biology
- General Biology
- Scientific Research Methods
- Molecular Toxicology

Responsibilities:

- Delivered lectures, facilitated discussions, and conducted practical training sessions.
- Guided students in research projects and thesis proposals.
- Developed and implemented course curricula.
- Mentored students in various aspects of Molecular Biology and Genetics.
- Fostered an interactive and engaging learning environment to enhance students' understanding of complex scientific concepts.

My teaching duties span both online and in-person formats, ensuring a comprehensive learning experience for all students.

Academic Staff Duties – Jordan University of Science and Technology (JUST)
A) Teaching and conducting examinations.
B) Carrying out innovative research and studies.
C) Supervising graduate theses and scientific or social research, guiding students academically and ethically, and monitoring their activities and reports.
D) Providing academic advising.
E) Participating in university councils and committees, as well as in those in which the university is represented.
F) Undertaking any activity that promotes the university and contributes to its advancement.
G) Dedicating oneself to academic responsibilities within the university, striving to enhance its scientific mission, and maintaining the level befitting its status in research, teaching, guidance, and administration.
H) Serving the community and contributing to its development.

Research Funding
Principal Investigator (PI), Local Research Grants – Deanship of Scientific Research, Jordan University of Science and Technology

- ***The Role of Genetic Variations in the PTCH1 Gene in Basal Cell Carcinoma***
  Grant No. 20180098 | $8,514.00
- ***Whole Exome Sequencing: An Unprecedented Opportunity for Identifying Disease Genes in Inherited Cardiomyopathies***
  Grant No. 20180346 | $9,026.00
- ***Whole Exome Sequencing to Identify Disease-Causing Genes in Jordanian Patients with Global Developmental Delay***
  Grant No. 20180371 | $9,167.00
- ***Molecular Diagnosis of Jordanian Patients with Glycogen Storage Diseases***
  Grant No. 20200129 | $9,180.79
- ***Genetic Testing to Identify Disease-Causing Variants in Jordanian Patients with Atrial Fibrillation***
  Grant No. 20200370 | $9,180.79
- ***Mutational Analysis of Jordanian Patients with Congenital Fibrinogen Deficiency***
  Grant No. 20210197 | $9,180.79
- ***Association of Fucosyltransferase Gene Polymorphisms with Crohn's Disease in Jordanian Patients***
  Grant No. 20220568 | $4,019.00
- ***Correlation Between PBX1 Methylation and Transcription in Hematological Malignancies***
  Grant No. 20230269 | $7,757.00

Master Students Supervised:
Abeer Abu Zina (Graduated)

- Thesis Topic: Whole Exome Sequencing: An Unprecedented Opportunity for Identifying Disease Genes in Inherited Cardiomyopathies.
- Supervision Status: Advisor.

Mariam Khanfar (Graduated)

- Thesis Topic: The Role of Genetic Variations in *PTCH1* Gene in Basal Cell Carcinoma.
- Supervision Status: Advisor.

Abeer Mahdi (Graduated)

- Thesis Topic: Whole Exome Sequencing to Identify Disease-Causing Genes in Jordanian Patients with Global Developmental Delay.
- Supervision Status: Advisor.

Duaa Gatasha (Graduated)

- Thesis Topic: Clinical and Acid Alpha-Glucosidase Gene Mutation Analysis in Jordanian Patients with Classical Infantile-Onset Pompe Disease.
- Supervision Status: Co-advisor.

Moath AlQaisi (Graduated)

- Thesis Topic: Molecular Diagnosis of Jordanian Patients with Glycogen Storage Diseases.
- Supervision Status: Advisor.

Wala Samori (Graduated)

- Thesis Topic: The Role of *GSE1* and *SLC7A5* in the Molecular Pathogenesis of Breast Cancer in Jordanian Females.
- Supervision Status: Co-advisor.

Ayat Shnikat (Graduated)

- Thesis Topic: Genetic Testing to Identify Atrial Fibrillation-Causing Variants in Jordanian Patients.
- Supervision Status: Advisor.

Shefa Almasree (Graduated)

- Thesis Topic: Association of Fucosyltransferase Gene Genetic Polymorphisms with Crohn's Disease in Jordanian Patients.
- Supervision Status: Advisor.

Thesis Examination Committee Member:

- **Safaa Mashaal**
  - *Thesis Title:* Genotyping Type 2 Diabetes Mellitus Susceptibility Variant rs13266634 In A Jordanian Patients' Cohort. 2019
  - *Role:* External Examiner
- **Nour Alhoda Ismael Alahmad**
  - *Thesis Title:* Genetics of Female Infertility: Molecular Study of NOBOX Gene in Poor Ovarian Responders
  - *Graduation:* Summer Semester 2016/2017
  - *Role:* Internal Examiner
- **Fawaz Al-Shaheri**
  - *Thesis Title:* Prevalence and Characterization of Germline Mutations in MUTYH Gene Among Patients with Colorectal Adenoma in Jordan
  - *Graduation:* Second Semester 2016/2017
  - *Role:* Internal Examiner
- **Haneen Ababneh**
  - *Thesis Title:* Mutational Analysis of the Phenylalanine Hydroxylase Gene (PAH) in Phenylketonuria (PKU) Patients from Jordan
  - *Graduation:* First Semester 2017/2018
  - *Role:* Internal Examiner
- **Nouar Riad Mahmoud Hamad**
  - *Thesis Title:* Association Between Tumor Necrosis Factor Alpha and Lymphotoxin Alpha Gene Polymorphisms and Migraine Occurrence Among Jordanian
  - *Graduation:* First Semester 2017/2018
  - *Role:* Internal Examiner

- **Ahmad Alnamarneh**
    - *Thesis Title:* The Association Between Antioxidant Gene (NRF2), Sleep Disturbances, and Physical Activity in Individuals with Multiple Sclerosis
    - *Graduation:* Summer Semester 2018/2019
    - *Role:* Internal Examiner
- **Abdulmalek Abu Zahra**
    - *Thesis Title:* Whole Exome Sequencing of Hodgkin's Lymphoma Patients
    - *Graduation:* First Semester 2023
    - *Role:* Internal Examiner
- **Razan Nazieh Al-Quraan**
    - *Thesis Title:* The Relationship Between Mitochondrial Encoded Cytochrome C Oxidase II (MT-CO2) Variants and Asthenozoospermic Males in Jordan.
    - *Graduation:* First Semester 2023
    - *Role:* External Examiner

Professional Meeting Participation:

- **PROPANE STUDY Annual Meeting, October 2015, Belgium**
    - *Presentation:* Targeted and Unbiased Genetic Analyses
    - *Type:* Oral Presentation
- **Peripheral Nerve Society Meeting, June 2015, Canada**
    - *Presentation:* Molecular Inversion Probe-targeted Next Generation Sequencing to Identify Genetic Causes of Painful Neuropathy
    - *Type:* Poster Presentation
- **ICIN- Netherlands Heart Institute Meeting, 2013, the Netherlands**
    - *Presentation:* Identification of Disease Genes Causing Cardiomyopathies by Exome Sequencing
    - *Type:* Oral Presentation
- **Invited Speaker at ESHG Conference 2013, Agilent Technologies, France**
    - *Presentation:* Targeted Resequencing Results in a Significant Increase in Identifying Genetic Causes of Cardiomyopathies
    - *Type:* Oral Presentation
- **American Heart Association Conference (AHA) 2012, USA**
    - *Presentation:* Targeted and Exome Sequencing and Haplotype Sharing Analyses Result in the Identification of Novel Genetic Causes of Cardiomyopathies
    - *Type:* Poster Presentation
- **ESHG Conference, 2012**
    - *Presentation:* Whole-Exome Sequencing Identifies a Novel Nonsense Mutation in the *TTN* Gene in a Large Dutch Family with DCM
    - *Type:* Poster Presentation
- **NVGH Meeting 2012, The Netherlands**
    - *Presentation:* Targeted Next Generation Resequencing in Cardiomyopathy Patients Can Substitute Sanger Sequencing and Results in a Significant Increase in Diagnostic Yield
    - *Type:* Oral Presentation
- **NMD Chip Meeting, 2011, London**
    - *Type:* Oral Presentation
- **ESHG Conference 2011, The Netherlands**
    - *Type:* Poster Presentation

- **NVGH Meeting 2010, The Netherlands**
    - *Presentation:* Targeted DNA-CGH Arrays for High Throughput Diagnosis of Muscular Dystrophies
    - *Type:* Poster Presentation
- **ESHG Conference 2010, Sweden**
    - *Type:* Poster Presentation
- **NVGH Meeting 2009, The Netherlands**
    - *Type:* Poster Presentation
- **ASHG 2009, USA**
    - *Presentation:* Reliable Recovery of Mutations and CNVs (Including All Known) Using Array-Based Sequence Capture of 112 MR-Genes
    - *Type:* Poster Presentation
- **NMD Chip Meeting, 2009, France**
    - *Type:* Oral Presentation

Workshops:
- **Biorisk Management (BRM) Curriculum Development Workshop**
    - *Location:* Amman, Jordan
- **Excellence in Scientific Research: From Idea to Application Workshop**
    - *Location:* Amman, Jordan

Awards/Honors:
Trainee Travel Fellowship
- Peripheral Nerve Society Meeting, 2015, Canada.

Academic Scholarship for Ph.D.
- Leiden University, the Netherlands, 2008.

Dean's List
- Mutah University, 1998-2000.

Honors
Mutah University
- Excellent Grade with Honor Degree
- Certificate for Academic Achievements in the BSc

References

Prof. Dr. J.P. van Tintelen
- Email address: p.vantintelen@amc.uva.nl

Dr. Monique Gerrits
- Email address: monique.gerrits@mumc.nl

Prof. Dr. Karin Faber
- Email address: c.faber@mumc.nl

Prof. Dr. Sulayman Dib-Hajj
- Email address: sulayman.dib-hajj@yale.edu