

CV Dr. Ashraf R. Zayed

Name: Ashraf R. Zayed
Date of birth and address: 02.05.1987, Jenin, West Bank, Palestine
Nationality: Palestinian
Family status: Married

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Academic Education

2005-2009 **Bachelor Degree** Medical Laboratory Science
Arab American University-AAUP, Jenin, Palestine

2009-2013 **Master Degree** Medical Laboratory Science
Track Microbiology and Immunology
Al-Quds University, Abu Dies, East Jerusalem, Palestine

2014-2018 **PhD in Microbiology** (Supervisor: Prof. Manfred.G. Höfle)
Technische Universität Braunschweig, Germany
Helmholtz-Zentrum für Infektionsforschung, Braunschweig

Professional Career

2011- 2014 **Research and Teaching Assistant**
Al-Quds University, Abu Dies, East Jerusalem/Palestine
Faculty of Medicine, Dept. Microbiol. and Immunol.

2012- 2018 **Junior Team Leader & researcher**
(DFG-project)
Al-Quds University, Abu Deis, East Jerusalem /Palestine
Helmholtz-Zentrum für Infektionsforschung, Braunschweig

2018-2020 **Assistant Professor** at Arab American University
Basic Medical Science Unit, Dept. Microbiology (PT)

Since 2019 **Assistant Professor** at An-Najah National University
Faculty of Medicine, Dept of Biomedical Sciences

Awards and Courses

2016 Dr. Atallah Rashmawi's award best research in laboratory medicine

2020 DAAD DIES ProGRANT Proposal Writing for Research Grants from Universität zu Köln

List of publications

1. **Zayed AR**, Pecellin M, Salah A, Alalam H, Butmeh S, Steinert M, Lesnik R, Brettar I, Höfle MG*, Bitar DM. Characterization of *Legionella pneumophila* Populations by Multilocus Variable Number of Tandem Repeats (MLVA) Genotyping from Drinking Water and Biofilm in Hospitals from Different Regions of the West Bank. **Pathogens. 2020**. DOI: 10.3390/pathogens9110862 **(IF=4.53)**
2. **Zayed AR**, Butmeh S, Pecellin M, Salah A, Alalam H, Steinert M, Höfle MG, Bitar DM, Brettar I*. Biogeography and Environmental Drivers of *Legionella pneumophila* Abundance and Genotype Composition Across the West Bank: Relevance of a Genotype-Based Ecology for Understanding *Legionella* Occurrence. **Pathogens. 2020. (IF=4.53)**
3. **Zayed AR**, Pecellin M, Jaber L, Butmeh S, Bahader SA, Steinert M, Höfle MG, Brettar I, Bitar DM*. Cytotoxicity, Intracellular Replication, and Contact-Dependent Pore Formation of Genotyped Environmental *Legionella pneumophila* Isolates from Hospital Water Systems in the West Bank, Palestine. **Pathogens. 2021. (IF=4.53)**
4. **Zayed AR***, Bunk B, Jaber L, Abu-Teer H, Ali M, Steinert M, Brettar I, Höfle MG, Bitar DM. Case Report: Whole genome sequencing of the clinical isolate of *Legionella pneumophila* ALAW1 from the West Bank allows high resolution typing and determination of pathogenicity mechanisms. **ECRJ, 2023 (IF=2.3)**.
5. **Zayed AR***, Bitar DM, Steinert M, Lück C, Brettar I, Höfle MG, Bunk B*. Comparative Genomics of *Legionella pneumophila* Isolates from the West Bank and Germany Support Molecular Epidemiology of Legionnaires' Disease. **Microorganisms, 2023 (IF=4.92)**

List of important Conferences

2013 FEMS Microbiology Congress. Poster, Leipzig/Germany
2013 8th International conference on *Legionella*. Poster, Melbourne/Australia
2015 18th International symposia water microbiology. Poster, Lisbon/Portugal
2016 9th International Medical lab conference. Talk* Awarded, Ramallah/Palestine
2016 International symposium on *Legionella*. Talk, Braunschweig/Germany
2017 9th International conference on *Legionella*. Poster, Rome/Italy
2021 10th International Medical lab conference. Talk, Ramallah/Palestine

Research Experiences

- Next Generation Sequencing and Whole Genome Sequencing technologies
- Advanced Bioinformatics tools
- Confocal and fluorescent Microscopy
- Microbial diagnostics

Researcher research engines URL

- Orcid: <https://orcid.org/0000-0002-4327-6168>
- Researchgate: <https://www.researchgate.net/profile/Ashraf-Zayed>