

Malik Sallam



Experience

Academic

November 2017–present

Consultant Physician • Laboratory Medicine • Jordan University Hospital

November 2022–present

Associate Professor • Laboratory Medicine/Microbiology and Immunology, at the Department of Pathology, Microbiology and Forensic Medicine • Faculty of Medicine, University of Jordan

November 2017–2022

Assistant Professor • Laboratory Medicine/Microbiology and Immunology, at the Department of Pathology, Microbiology and Forensic Medicine • Faculty of Medicine, University of Jordan

September 2017–present

Visiting Research Fellow • Patrik Medstrand Clinical Virology Laboratory • Faculty of Medicine, Lund University

November 2017–present

Academic Supervisor for residents in Clinical Pathology (Microbiology & Immunology) • Jordan University Hospital

November 2017–present

Academic Supervisor for MSc students • Medical Laboratory Science • School of Medicine, University of Jordan

November 2017–present

Academic and research supervisor for medical students • School of Medicine, University of Jordan

November 2017–present

Academic and research supervisor for dental students • School of Dentistry, University of Jordan

December 2019

Examiner for Master thesis • Faculty of Medicine, University of Jordan

M. Sallam

Administrative

April 2019–present

Medical Head of the Molecular Diagnostics Laboratory • Jordan University Hospital • Amman, Jordan

April 2019–present

Medical Head of the Clinical Chemistry Laboratory • Jordan University Hospital • Amman, Jordan

April 2019–present

Medical Head of the Endocrinology Laboratory • Jordan University Hospital • Amman, Jordan

April 2019–present

Medical Head of the Cytogenetics Laboratory • Jordan University Hospital • Amman, Jordan

December 2017–October 2018

Program director (joint) of the master degree (MSc) in Medical Laboratory Sciences • Department of Pathology, Microbiology and Forensic Medicine • Faculty of Medicine, University of Jordan

November 2017–February 2019

Medical Head of the Microbiology and paracytology Laboratory • Jordan University Hospital • Amman, Jordan

November 2017–February 2019

Medical Head of the Immunology and Serology Laboratory • Jordan University Hospital • Amman, Jordan

December 2017–October 2018

Program director of the Higher Specialization residency program in Clinical Laboratory/ Microbiology and Immunology Medical Laboratory Sciences • Department of Pathology, Microbiology and Forensic Medicine • University of Jordan and Jordan University Hospital

Education

School of Medicine, University of Jordan, Amman, Jordan

- Bachelor of Medicine, Bachelor of Surgery- [2001-2007]

Ministry of Health, Prince Hamza and Al-Basheer Hospitals, Amman, Jordan

- Intern Doctor- [July 2007-June 2008]

Jordan University Hospital, Department of Clinical Laboratories

- Resident Doctor- [July 2008- June 2012]

Jordan Medical Council

M. Sallam

- Jordanian Board in Clinical Pathology/Microbiology and Immunology - [2012]

Jordan University Hospital, Laboratory Medicine/Microbiology and Immunology

- Specialist Physician- [September 2012- October 2013]

University of Jordan, Faculty of Medicine, Department of Pathology, Microbiology and Forensic Medicine

- Research and Teaching Assistant- [March 2013- October 2013]

Faculty of Medicine, Lund University, Lund, Sweden, Department of Translational Medicine

- PhD Candidate in Clinical Virology- [December 2013- September 2017]

Conferences, Courses and Workshops

- Attendance of ECSV VIRTUAL SPRING WORKSHOP entitled "SARS-CoV-2 infection – laboratory response to pandemic". June 22, 2021.
- Attendance of "ME'NA-ISN webinar entitled 'Influenza in health care workers and the role of vaccination", held online on 10 June 2021.
- Participation as one of the course coordinators in ESCMID postgraduate educational course entitled "Translation of recent advances in diagnostic methods to clinical microbiology and infectious diseases", held online 3-4 June 2021, (previously Lund, Sweden).
- Participation in Continuing Professional Development entitled "Practical Strategies to Overcome Poor Vaccine Uptake During the COVID-19 Pandemic" from Medscape Education as an author/speaker (Released on 3 June 2021).
- Participation in a WHO workshop titled "Standardizing Standard Operating Procedures for Pathogen Identification, Antimicrobial Susceptibility Testing and Quality Control". 21st October 2018 - 25th October 2018. Amman, Jordan.
- Participation in a WHO workshop titled "Principles and Methods of Antimicrobial Resistance Surveillance". 2nd October 2018 - 4th October 2018. Amman, Jordan.
- Participation in WHO workshop titled "WHONET - Software for the Surveillance of Antimicrobial Resistance". 30th September 2018 - 2nd October 2018. Amman, Jordan.
- Participation with a poster titled "Phylogenetic reconstruction of hepatitis C virus transmission in Southern Sweden (2007-2015)" in the HIV & Hepatitis Nordic conference (4th edition). 27th-29th September 2017. Stockholm, Sweden.
- Mini-symposium on "Epidemiological and molecular aspects of

M. Sallam

HIV-1, HIV-2 and HCV infections". 12th September 2017. Biomedical Center, Faculty of Medicine, Lund University, Lund, Sweden.

- Symposium on "The Triple Helix in Biobanking: Intertwining Stakeholders". 15th-16th November 2016. Medicon Village. Lund, Sweden.
- Participation with a poster titled "Decreasing prevalence of transmitted drug resistance among ART-naïve, HIV-1-infected patients in Iceland, 1996-2012" in the HIV & Hepatitis Nordic conference (3rd edition). 28th-30th September 2016. Stockholm, Sweden.
- Participation with a poster titled "Reconstruction of the regional transmission of HCV in Southern Sweden by phylodynamics" in the International Vilnius Communicable Diseases Week (Vilnius Summit). 26th-27th June 2016. Lithuanian Academy of Science, Vilnius, Lithuania.
- Participation with an oral presentation titled "Molecular epidemiology of HIV-1 in Iceland" in the HIV & Hepatitis Nordic conference (2nd edition). 30th September-2nd October 2015. Stockholm, Sweden.
- Mini symposium on "HIV and HCV epidemiology in the Baltic region". 19th-20th March 2015. Karolinska Institute, Stockholm, Sweden.
- Workshop on "Introduction to phylogenetic inference". 17th-18th March 2015. Biomedical Center, Faculty of Medicine, Lund University, Lund, Sweden.
- Mini-symposium on "Epidemiological and molecular aspects of HIV-1 and HIV-2 infections". 29th January 2015. Biomedical Center, Faculty of Medicine, Lund University, Lund, Sweden.
- Attendance of the 5th International Conference of the Jordanian Society of Pathology and Laboratory Medicine. Amman, Jordan 2013.
- Workshop on residency training in Jordanian hospitals. King Hussein Medical Center. Amman, Jordan 2012.
- Attendance of the 4th International Congress of Allergy and Immunology. Amman-Jordan. 19th-21st September 2012.
- Participation as a member of the social committee of the 4th International Conference of the Jordanian Society of Pathology and Laboratory Medicine. Amman-Jordan. 14th-16th April 2011.
- Attendance of the 3rd International Conference of the Jordanian Society of Pathology and Laboratory Medicine. Amman-Jordan 2008.

Advanced Courses

- Proteomics data analysis, 5-9 December 2016.
- Biobanking, 14-18 November 2016.
- Protein microarray techniques, 17-21 October 2016.

M. Sallam

- Quantitative PCR, 23-28 November 2015.
- Immunocell flow cytometry, 9-13 November 2015.
- Confocal LASER scanning microscopy, 24-28 November 2014.

UJ Accreditation and Quality Assurance Center Workshops

- Management and Leadership Skills, 18 November 2019.
- Integrated Learning System, 18 September 2019.
- Emotional Intelligence, 30 April 2019.
- Supervision of Postgraduate Students, 27 August 2019.
- Using MCQs to Test Higher Order Thinking Skills, 25 July 2019.

Professional Membership

- Jordan Medical Association (JMA)
- Jordan Medical Council (JMC)
- The Jordanian Society of Pathology and Laboratory Medicine (JSP)
- American Society for Microbiology (ASM)
- European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
- The European Society for Clinical Virology (ESCV)

Awards and Achievements

- Ranked 6th among the top 10 Jordanian students in General Secondary Education Certificate (Science branch)...2001, with average (98.6%).
- Outstanding staff award at Jordan University Hospital...2009
- Listed in the Presidents' list and the School of Graduate Studies Dean's list for outstanding students at the University of Jordan....2012 with average (4/4)
- Awarded a scholarship from the University of Jordan to pursue PhD degree in Clinical Virology ...2013
- Listed in the list of the best 2% of the distinguished researchers worldwide based on the total citation, issued by Stanford University...2022
- Ranked 4th among the top researchers at Medical School, and 14th at the level of the University of Jordan.

M. Sallam

- Honored by Kuwaiti Society for medical and dental students...2022

Committee Membership

- Member of the Scientific Research Committee at the School of Medicine – the University of Jordan... [May 2022-present]
- Member of Jordan Medical Council (JMC) examination subcommittee for the Clinical/Microbiology and Immunology Specialty... [January 20-present].
- Member of the residency clinical training committee at the School of Medicine, University of Jordan, Amman, Jordan... [September 2018-present].
- Member of Covid-19 Laboratory Policy and Strategies Committee, Ministry of Health, Amman, Jordan... [March 2020-May 2020].
- Member of the comprehensive exam committees for MSc. Program in Medical Laboratory Sciences. Department of Pathology, Microbiology and Forensic Medicine/ School of Medicine, University of Jordan, Amman, Jordan...[July & November 2019, March, July & November 2020].
- Member of the WHO antimicrobial resistance surveillance committee at Jordan University Hospital, Amman, Jordan... [September 2018-May 2019].

University/ Community Services

- Lecture directed to hospital staff and students entitled “An Update on COVID-19 caused by SARS-CoV-2” – Jordan University Hospital – [March 2020].
- Awareness lecture directed to employees at the Department of Clinical Laboratories – entitled “An Update on COVID-19 caused by SARS-CoV-2” – Jordan University Hospital – [Marc 2020].
- Awareness lecture directed to University students at UJ – entitled “COVID-19” organized by the Science research team for medical field, JU students Union –[March 2020].
- Lecture directed to University students at UJ – entitled “Basics of scientific research, search engines, and how to write the scientific paper” – organized by the Science research team for medical field, JU students Union – [March 2020]
- Live session of Facebook entitled “Dental students' participation

M. Sallam

in scientific research" organized by the Nashama Dentistry group, UJ – [July 2020]

- Live session of Facebook entitled "COVID-19 Testing" organized by the JAIP Academia Industry Platform and the School of Pharmacy, UJ- [November 2020].

Media appearance/Coverage

صحيفة الغد: ندوة تثقيفية عن "كورونا" في مستشفى الجامعة. ٣ آذار ٢٠٢٠

<https://alghad.com/?p=800728>

صحيفة السوسنة: مقال بعنوان "عن جدوى الحظر الشامل في التعامل مع الوباء". ٧ تشرين الأول ٢٠٢٠

<https://www.assawsana.com/portal/pages.php?newsid=478356#.YCWI02fxMss>

مقابلة هاتفية مع قناة الشرق بلومبرغ عن كوفيد ١٩. ٥ تشرين الثاني ٢٠٢٠

https://www.youtube.com/watch?v=Kqa7VnuG_d8

مقابلة تلفزيونية مع قناة الشرق بلومبرغ عن كوفيد ١٩. ١٣ كانون الأول ٢٠٢٠

<https://www.youtube.com/watch?v=hywD29WyTJA>

مقابلة تلفزيونية مع قناة الشرق بلومبرغ عن كوفيد ١٩. ١٤ كانون الثاني ٢٠٢١

<https://www.youtube.com/watch?v=nFIsoqAf-XQ>

صحيفة الغد: تغطية لبحث منشور "دراسة: ثلث العرب يرغبون بأخذ لقاح كورونا". ١٠ كانون الثاني ٢٠٢١

<https://alghad.com/?p=952231>

موقع رadar نيوز: تغطية لبحث منشور "أكثر من ثلثي العرب لا يرغبون بتلقي لقاح "كورونا"".. ١٠ كانون الثاني ٢٠٢١

<https://radaarnews.com/71774>

موقع قناة المملكة: تغطية لنتائج دراسة "دراسة: سلالة كورونا البريطانية المتحورة موجودة في الأردن منذ نهاية تشرين الثاني". ٨ شباط ٢٠٢١

<https://www.almamlakatv.com/news/56562>

موقع عمون للأخبار: تغطية لنتائج دراسة "دراسة: ١٩ سلالة من كورونا في الأردن". ٨ شباط ٢٠٢١

<https://www.ammonnews.net/article/592979>

قناة المملكة - برنامج صوت المملكة: تغطية لنتائج دراسة "السلالة المتحورة وانعكاسها على القرارات الحكومية". ٩ شباط ٢٠٢١

<https://youtu.be/56B078hJgEc>

إذاعة الجامعة الأردنية - الحلقة الثانية من برنامج #الأردنية ضد كورونا بموضوع لقاحات فيروس كورونا

<https://fb.watch/3Uws8S4bZO/>

موقع دويتشه فيله - ١٦ نيسان ٢٠٢١

Coronavirus: Arab countries struggle with high vaccine hesitancy:
تغطية لنتائج دراسة ومراجعة علمية

<https://www.dw.com/en/middle-east-covid-vaccine-rollout-hesitancy/a-57227395>

Aljazeera: https://youtu.be/R_sbSrMB2Ww

Publications

- Donya Rahebi, Aliakbar Naghavialhosseini, Mina Pakkhesal, Abdolhalim Rajabi, Fatemeh Mirzaei, Nesreen A. Salim and **Malik Sallam**. *Palatal Rugae Patterns in Fars, Turkmen, and Sistani Ethnicities in the Eastern Part of the Caspian Littoral of Iran*. *Diagnostics*, **2023**, 13, 200. doi.org/10.3390/diagnostics13020200.
- Ala'a B Al-Tammemi, and **Malik Sallam**. *The current cholera menace amid the war crisis in Syria and the economic crisis in Lebanon: A time for global solidarity*. *New Microbes New Infect*, **2023**, 17;51:101069. doi: 10.1016/j.nmni.2022.101069.
- Ramy Mohamed Ghazy, Debra Ukamaka Okeh, **Malik Sallam**, Mai Hussein, Horeya M. Ismail, Saja Yazbek, Amira Mahboob and Samar Abd ElHafeez. *Psychological Antecedents of Healthcare Workers towards Monkeypox Vaccination in Nigeria*. *Vaccines*, **2022**, 10(12), 2151. doi.org/10.3390/vaccines10122151.
- Diana Malaeb, **Malik Sallam**, Samar Younes, Nisreen Mourad, Abir Sarry El Dine, Sahar Obeid, Souheil Hallit, Rabih Hallit. *Knowledge, Attitude, and Practice in a Sample of the Lebanese Population Regarding Cholera*. *Int. J. Environ. Res. Public Health*, **2022**, 19(23), 16243. doi.org/10.3390/ijerph192316243.
- **Malik Sallam**, Huda Eid, Nour Awamleh, Ala'a B. Al-Tammemi, Muna Barakat, Rabaa Y. Athamneh, Souheil Hallit, Harapan Harapan, Azmi Mahafzah. *Conspiratorial Attitude of the General Public in Jordan towards Emerging Virus Infections: A Cross-Sectional Study Amid the 2022 Monkeypox Outbreak*. *Trop. Med. Infect. Dis.* **2022**, 7(12),

M. Sallam

- Youdil Ophinni, Andri Frediansyah, Salin Sirinam, Dewi Megawati, Ana M Stoian, Seyi S Enitan, Richard Y Akele, Ranjit Sah, Krit Pongpirul, Ziad Abdeen, Sevda Aghayeva, Aamer Ikram, Yohannes Kebede, Uwe Wollina, Kannan Subbaram, Ai Koyanagi, Abdulwahed Al Serouri, H Blaise Nguendo-Yongs, Jeffrey Edwards, Dina E Sallam, Yousef Khader, Sandro G Viveiros-Rosa, Ziad A Memish, Mehrdad Amir-Behghadami, Sandro Vento, Marius Rademaker, **Malik Sallam**. *Monkeypox: Immune response, vaccination and preventive efforts*. *Narra J*, **2022**, 2(3). doi.org/10.52225/narra.v2i3.90.
- Shaimaa Abdelaziz Abdelmoneim, **Malik Sallam**, Dina Mohamed Hafez, Ehab Elrewany, Hesham Metwalli Mousli, Elsayed Mohamed Hammad, Sally Waheed Elkhadry, Mohammed Fathelrahman Adam, Amr Abdelraouf Ghobashy, Manal Naguib, Ahmed El-Sayed Nour El-Deen, Narjiss Aji, Ramy Mohamed Ghazy. *COVID-19 Vaccine Booster Dose Acceptance: Systematic Review and Meta-Analysis*. *Tropical Medicine and Infectious Disease*, **2022**, 7, 298. doi.org/10.3390/tropicalmed7100298.
- Harapan Harapan, Youdil Ophinni, Dewi Megawati, Andri Frediansyah, Sukanto S Mamada, Mirnawati Salampe, Talha Bin Emran, Wira Winardi, Raisha Fathima, Salin Sirinam, Pichamon Sittikul, Ana M Stoian, Firzan Nainu, **Malik Sallam**. *Monkeypox: A Comprehensive Review*. *Viruses*, **2022**, 14, 2155. doi.org/10.3390/v14102155.
- Ramy Mohamed Ghazy, Marwa Shawky Abdou, Salah Awaidy, **Malik Sallam**, Iffat Elbarazi, Naglaa Youssef, Osman Abubakar Fiidow, Slimane Mehdad, Mohamed Fakhry Hussein, Mohammed Fathelrahman Adam, Fatimah Saed Alabd Abdullah, Wafa Kamoun Rebai, Etwal Bou Raad, Mai Hussein, Shehata F Shehata, Ismail Ibrahim Ismail, Arslan Ahmed Salam, Dalia Samhouri. *Acceptance of COVID-19 Vaccine Booster Doses Using the Health Belief Model: A Cross-Sectional Study in Low-Middle-and High-Income Countries of the East Mediterranean Region*. *International Journal of Environmental Research and Public Health*, **2022**, 19(19), 12136. doi.org/10.3390/ijerph191912136.
- Doaa Ali ElSayed, Etwal Bou Raad, Salma A Bekhit, **Malik Sallam**, Nada M Ibrahim, Sarah Soliman, Reham Abdullah, Shehata Farag, Ramy Mohamed Ghazy. *Validation and Cultural Adaptation of the Parent Attitudes about Childhood Vaccines (PACV) Questionnaire in Arabic Language Widely Spoken in a Region with a High Prevalence of COVID-19 Vaccine Hesitancy*. *Tropical Medicine and Infectious Disease*, **2022**, 7(9), 234. doi.org/10.3390/tropicalmed7090234.
- **Malik Sallam**, Kholoud Al-Mahzoum, Ala'a B Al-Tammemi, Mohammed Alkurtas, Fatemeh Mirzai, Nariman Kareem, Hala Al-Naimat, Laila Jardaneh, Laith Al-Majali, Akram AlHadidi, Khaled Al-Salahat, Eyad Al-Ajlouni, Nadin Mohammad AlHadidi, Faris G Bakri, Harapan Harapan, Azmi Mahafzah. *Assessing Healthcare Workers' Knowledge and Their Confidence in the Diagnosis and Management of Human Monkeypox: A Cross-Sectional Study in a Middle Eastern Country*. *Healthcare*, **2022**, 10(9), 1722. doi.org/10.3390/healthcare10091722.

- Mariam Alsanafi, Kholoud Al-Mahzoum, **Malik Sallam**. Monkeypox Knowledge and Confidence in Diagnosis and Management with Evaluation of Emerging Virus Infection Conspiracies among Health Professionals in Kuwait. *Pathogens*, 2022, 11(9), 994. doi.org/10.3390/pathogens11090994.
- Djihad Bencherit, Rania Kidar, Saadia Otmani, **Malik Sallam**, Kamel Samara, Hiba Jawdat Barqawi, Mohamed Lounis. Knowledge and Awareness of Algerian Students about Cervical Cancer, HPV and HPV Vaccines: A Cross-Sectional Study. *Vaccines*, 2022, 10(9), 1420. doi.org/10.3390/vaccines10091420.
- **Malik Sallam**, Ramy Mohamed Ghazy, Khaled Al-Salahat, Kholoud Al-Mahzoum, Nadin Mohammad AlHadidi, Huda Eid, Nariman Kareem, Eyad Al-Ajlouni, Rawan Batarseh, Nidaa A Ababneh, Mohammed Sallam, Mariam Alsanafi, Srikanth Umakanthan, Ala'a B Al-Tammemi, Faris G Bakri, Harapan Harapan, Azmi Mahafzah, Salah T Al Awaidy. The Role of Psychological Factors and Vaccine Conspiracy Beliefs in Influenza Vaccine Hesitancy and Uptake among Jordanian Healthcare Workers during the COVID-19 Pandemic. *Vaccines*, 2022, 10(8), 1355. doi.org/10.3390/vaccines10081355.
- Jonny Karunia Fajar, **Malik Sallam**, Gatot Soegiarto, Yani Jane Sugiri, Muhammad Anshory, Laksni Wulandari, Stephanie Astrid Puspitasari Kosasih, Muhammad Ilmawan, Kusnaeni Kusnaeni, Muhammad Fikri, Frilianty Putri, Baitul Hamdi, Izza Dinalhaque Pranatasari, Lily Aina, Lailatul Maghfiroh, Fernanda Septi Ikhriandanti, Wa Ode Endiaverni, Krisna Wahyu Nugraha, Ory Wiranudirja, Sally Edinov, Ujang Hamdani, Lathifatal Rosyidah, Hanny Lubaba, Rinto Ariwibowo, Riska Andistyani, Ria Fitriani, Miftahul Hasanah, Fardha Ad Durrun Nafis, Fredo Tamara, Fitri Olga Latamu, Hendrix Indra Kusuma, Ali A Rabaan, Saad Alhumaid, Abbas Al Mutair, Mohammed Garout, Muhammad A Halwani, Mubarak Alfaresi, Reyouf Al Azmi, Nada A Alasiri, Abeer N Alshukairi, Kuldeep Dhama, Harapan Harapan. Global Prevalence and Potential Influencing Factors of COVID-19 Vaccination Hesitancy: A Meta-Analysis. *Vaccines*, 2022, 10(8), 1356. doi.org/10.3390/vaccines10081356.
- **Malik Sallam**, Kholoud Al-Mahzoum, Latefa Ali Dardas, Ala'a B Al-Tammemi, Laith Al-Majali, Hala Al-Naimat, Laila Jardaneh, Farah AlHadidi, Khaled Al-Salahat, Eyad Al-Ajlouni, Nadin Mohammad AlHadidi, Faris G Bakri, Azmi Mahafzah, Harapan Harapan. Knowledge of Human Monkeypox and Its Relation to Conspiracy Beliefs among Students in Jordanian Health Schools: Filling the Knowledge Gap on Emerging Zoonotic Viruses. *Medicina*, 2022, 58(7), 924. doi.org/10.3390/medicina58070924.
- Nidaa A Ababneh, Raghdha Barham, Ban Al-Kurdi, Dema Ali, Sabal Al Hadidi, Mohammad A Ismail, Ahmed SH Muamar, Ahmed A Abdulelah, Adan Madadha, **Malik Sallam**, Yazan Hassona, Amira Masri, Abdalla Awidi. Generation of a human induced pluripotent stem cell (iPSC) line (JUCTCi019-A) from a patient with Charcot-Marie-Tooth disease type 2A2 (CMT2A2) due to a heterozygous missense substitution c.2119C > T (p.Arg707Trp) in MFN2 gene. *Stem Cell Research*, 2022,

M. Sallam

62, 102786. doi.org/10.1016/j.scr.2022.102786.

- **Malik Sallam**, Deema Dababseh, Alaa Yaseen, Ayat Al-Haidar, Hajar Ettarras, Dania Jaafreh, Hanan Hasan, Khaled Al-Salahat, Esraa Al-Fraihat, Yazan Hassona, Gülşen Özkan, Azmi Mahafzah. *Lack of knowledge regarding HPV and its relation to oropharyngeal cancer among medical students.* *Cancer Reports*, **2022**, 5 (7), e1517. doi.org/10.1002/cnr2.1517.
- Andri Frediansyah, **Malik Sallam**, Amanda Yufika, Khan Sharun, Muhammad Iqhrammullah, Deepak Chandran, Sukamto S Mamada, Dina E Sallam, Yousef Khader, Yohannes K Lemu, Fauzi Yusuf, James-Paul Kretchy, Ziad Abdeen, J Smith Torres-Roman, Yogesh Acharya, Anastasia Bondarenko, Aamer Ikram, Kurnia F Jamil, Katarzyna Kotfis, Ai Koyanagi, Lee Smith, Dewi Megawati, Marius Rademaker, Ziad A Memish, Sandro Vento, Firzan Nainu, Harapan Harapan. *Acute severe hepatitis of unknown etiology in children: A mini-review.* *Narra J* **2022**, 2,(2): e83. doi:10.52225/narra.v2i2.83.
- **Malik Sallam**, Azmi Mahafzah, Gülşen Özkan, Şahin, ESCMID Study Group for Viral Hepatitis. *Hepatitis of Unknown Origin and Etiology (Acute Non HepA-E Hepatitis) among Children in 2021/2022: Review of the Current Findings.* *Healthcare*, **2022**, 10(6), 973. doi.org/10.3390/healthcare10060973.
- Mohamed Lounis, Samir Abdelhadi, Mohammed Amir Rais, Djihad Bencherit, **Malik Sallam**. Intention to get COVID-19 vaccination and its associated predictors: A cross-sectional study among the general public in Algeria. *Vacunas*, **2022**, 23(2). doi.org/10.1016/j.vacun.2022.04.003.
- **Malik Sallam**, Azmi Mahafzah, Gülşen Özkan, Şahin. Clusters of Hepatitis of Unknown Origin and Etiology (Acute Non HepA-E Hepatitis) Among Children in 2021/2022: A Review of the Current Findings. **2022**. doi: 10.20944/preprints202205.0024.v1.
- Bara'a Qaqish, **Malik Sallam**, Maysa Al-Khateeb, Erik Reisdorf, Azmi Mahafzah. *Assessment of COVID-19 Molecular Testing Capacity in Jordan: A Cross-Sectional Study at the Country Level.* *Diagnostics*, **2022**, 12(4), 909. doi.org/10.3390/diagnostics12040909.
- **Malik Sallam**, Samsul Anwar, Amanda Yufika, Marhami Fahrani, M. Husnah, H. I. Kusuma, Rawan Raad, Namareg ME. Khiri, R. Abdalla, Rashed Y. Adam, M. Ismaeil, A. Ismail, Wajdi Kacem, Z. Teyeb, Khaoula Aloui, Montacer Hafsi, Nesrine BH. Dahman, Manel Ferjani, Dalia A. Deeb, Dina Emad, Farah S. Sami, K. S. Abbas, F. Monib, Subramaniam R, Suhrud Panchawagh, K. Sharun, S. Anandu, M. Gachabayov, M. A. Haque, T. Emran, G. Wendt, L. E. Ferreto, M. Briones, R. Morales, Sebastián AL. Díaz, José TO. Aburto, J. E. Rojas, E. Balogun, Akele R Yomi, A. Durosini, E. Adejumo, E. Ezigbo, M. Arab-Zozani, Elham Babadi, E. Kakemam, Irfan Ullah, N. Malik, D. Dababseh, F. Rosiello, Seyi S. Enitan. *Willingness-to-pay for COVID-19 vaccine in ten low-middle-income countries in Asia, Africa and South America.* *Narra J*, **2022**, Vol. 2 No. 1 (2022). doi:10.52225/narra.v2i1.74.

M. Sallam

- **Malik Sallam**, Ali M Alabbadi, Sarah Abdel-Razeq, Kareem Battah, Leen Malkawi, Mousa A Al-Abbad, Azmi Mahafzah. **HIV knowledge and stigmatizing attitude towards people living with HIV/AIDS among medical students in Jordan.** *Int. J. Environ. Res. Public Health.* **2022**, *19*(2), 745. doi.org/10.3390/ijerph19020745.
- Ramy Mohamed Ghazy, Osman Abubakar Fiidow, Ismail Ibrahim Ismail, Sulafa Tarek Alqutub, Etwal Bouraad, Esraa Abdellatif Hammouda, Mohamed Mostafa Tahoun, Silmane Mehdad, Rasha Ashmawy, Abdulla Zamzam, Osama Mohamed Elhassan, Qasim Mohamed Al Jahdhami, Hind Bouguerra, Wafaa Kammoun Rebai, Lina Yasin, Esraa Mustafa Jaradat, Yasir Ahmed Mohammed Elhadi, **Malik Sallam**. **Quality of life among health care workers in Arab countries years after COVID-pandemic.** *Frontiers in Public Health*, **2022**. doi.org/10.3389/fpubh.2022.917128.
- Hanna Rydén, Laura Ambra Nicolini, Monique I Andersson, Zeinab Nabil Ahmed Said, **Malik Sallam**, Gülsen Özka Şahin. **Isolated anti-HBC: reflections from clinical microbiology and infectious diseases.** *GERMS*, **2022**, *12*(2). doi 10.18683/germs.2022.1318.
- Mohamed Lounis, Samir Abdelhadi, Mohammed Amir Rais, Djihad Bencherit, **Malik Sallam**. **Intención de recibir la vacuna contra la COVID-19 y sus factores predictivos asociados: estudio transversal entre el público general en Argelia.** *Vacunas*, **2022**. doi 10.1016/j.vacun.2022.04.003.
- Salah T Al Awaidy, Faryal Khamis, **Malik Sallam**, Ramy M Ghazy, Hassan Zaraket. **Monkeypox Outbreak: More queries posed as cases globally soar.** *Sultan Qaboos University Medical Journal [SQUMJ]*, **2022**. doi.org/10.18295/squmj.8.2022.046
- **Malik Sallam**, Azmi Mahafzah, GÖ Sahin. **Hepatitis of Unknown Origin and Etiology (Acute Non HepA-E Hepatitis) among Children in 2021/2022: Review of the Current Findings.** *Healthcare*, **2022**, *10*, 973. doi.org/10.3390/healthcare10060973.
- David Felipe Martin-Garcia, **Malik Sallam**, Gabriela Garcia, Julien Santi-Rocca. **Parasites in Periodontal Health and Disease: A Systematic Review and Meta-analysis.** *Periodontitis*, **2022**, pp 95–111. doi: 10.1007/978-3-030-96881-6_5.
- **Malik Sallam**, Mariam Al-Sanafi, Mohammed Sallam. **A global map of COVID-19 vaccine acceptance rates per country: an updated concise narrative review.** *Journal of Multidisciplinary Healthcare*, **2022**, *15*. doi: 10.2147/JMDH.S347669.
- Alaa Yaseen, Azmi Mahafzah, Deema Dababseh, Duaa Taim, Ahmad A Hamdan, Esraa Al-Fraihi, Yazan Hassona, Gülsen Özka Şahin, Julien Santi-Rocca, **Malik Sallam**. **Oral Colonization by Entamoeba gingivalis and Trichomonas tenax: A PCR-Based Study in Health, Gingivitis, and Periodontitis.** *Front Cell Infect Microbiol* **2021**, *11*: 782805. doi:10.3389/fcimb.2021.782805.
- **Malik Sallam**, Kholoud Al-Mahzoum, Huda Eid, Areej M Assaf, Maram Abdjalaleel, Mousa Al-Abbad, Azmi Mahafzah. **Attitude towards HPV vaccination and the intention to get vaccinated among female university**

M. Sallam

students in health schools in Jordan. *Vaccines*, **2021**, 9(12), 1432. <https://doi.org/10.3390/vaccines9121432>.

- **Malik Sallam**, COVID-19 vaccine hesitancy worldwide: a systematic review of vaccine acceptance rates. *Vaccines*, **2021**, 9(2). doi:10.1101/2020.12.28.20248950.
- **Malik Sallam**, Nidaa A Ababneh, Deema Dababseh, Faris G Bakri, Azmi Mahafzah. Temporal increase in D614G mutation of SARS-CoV-2 in the Middle East and North Africa. *Heliyon*, **2021**, 7, e06035. doi:10.1016/j.heliyon.2021.e06035.
- **Malik Sallam**, Deema Dababseh, Huda Eid, Kholoud Al-Mahzoum, Ayat Al-Haidar, Duaa Taim, Alaa Yaseen, Nidaa A Ababneh, Faris G Bakri, Azmi Mahafzah, **A. High Rates of COVID-19 Vaccine Hesitancy and Its Association with Conspiracy Beliefs: A Study in Jordan and Kuwait among Other Arab Countries**. *Vaccines (Basel)*, **2021**, 9(1). doi:10.3390/vaccines9010042.
- Dott F. Rosiello, Samsul Anwar, Amanda Yufika, Rashed Y. Adam, Mohajer IH. Ismaeil, Asma Y. Ismail, Nesrine BH. Dahman, Montacer Hafsi, Manel Ferjani, Farah S. Sami, Fatma A Monib, Subramaniam R, Sunil Anandu, Md Ariful Haque, Lirane ED. Ferreto, José TO. Aburto, Jorge ET. Rojas, Seyi S. Enitan, Akele R. Yomi, Eyiuche D. Ezigbo, Elham Babadi, Edris Kakemam, Najma I. Malik, Irfan Ullah, **Malik Sallam**. Acceptance of COVID-19 vaccination at different hypothetical efficacy and safety levels in ten countries in Asia, Africa, and South America. *Narra J*, **2021**, 1(3). doi.org/10.52225/narra.v1i3.55.
- Nidaa A Ababneh, Dema Ali, Ban Al-Kurdi, Raghda Barham, Isam K Bsisu, Deema Dababseh, Sally Arafat, Asim N Khanfar, Leen Makahleh, Abdee T Ryalat, **Malik Sallam**, Mohammed El-Khateeb, Basil Sharrack, Abdalla Awidi. The utility of whole-exome sequencing in accurate diagnosis of neuromuscular disorders in consanguineous families in Jordan. *Clinica Chimica Acta*, **2021**, 523. doi.org/10.1016/j.cca.2021.10.001.
- Muhammad Mainuddin Patwary, Mondira Bardhan, Asma Safia Disha, Mehedi Hasan, Md Zahidul Haque, Rabeya Sultana, Md Riad Hossain, Matthew HEM Browning, Md Ashraful Alam, **Malik Sallam**. Determinants of COVID-19 vaccine acceptance among the adult population of Bangladesh using the health belief model and the theory of planned behavior model. *Vaccines*, **2021**, 9(12), 1393. doi.org/10.3390/vaccines9121393.
- Rabaa Y Athamneh, Ayşe Arıkan, Murat Sayan, Azmi Mahafzah, **Malik Sallam**. Variable proportions of phylogenetic clustering and low levels of antiviral drug resistance among the major hbv sub-genotypes in the middle east and North Africa. *Pathogens*, **2021**, 10(10), 1333. doi.org/10.3390/pathogens10101333.
- Nariman Kareem, Khaled Al-Salahat, Faris G Bakri, Yaser Rayyan, Azmi Mahafzah, **Malik Sallam**. Tracking the Epidemiologic Shifts in Hepatitis A Sero-Prevalence Using Age Stratification: A Cross-Sectional Study at Jordan University Hospital. *Pathogens*, **2021**, 10(9), 1081. doi.org/10.3390/pathogens10091081.
- Mariam Al-Sanafi, **Malik Sallam**. Psychological determinants of COVID-19 vaccine acceptance among healthcare workers in Kuwait: a cross-

M. Sallam

sectional study using the 5C and vaccine conspiracy beliefs scales. *Vaccines*, **2021**, 9(7), 701. doi.org/10.3390/vaccines9070701.

- **Malik Sallam**, Azmi Mahafzah. Molecular analysis of SARS-CoV-2 genetic lineages in jordan: tracking the introduction and spread of COVID-19 UK variant of concern at a country level. *Pathogens*, **2021**, 10(3), 302. doi.org/10.3390/pathogens10030302.
- **Malik Sallam**, Deema Dababseh, Huda Eid, Hanan Hasan, Duaa Taim, Kholoud Al-Mahzoum, Ayat Al-Haidar, Alaa Yaseen, Nidaa A Ababneh, Areej Assaf, Faris G Bakri, Suzan Matar, Azmi Mahafzah. Low COVID-19 vaccine acceptance is correlated with conspiracy beliefs among university students in Jordan. *Int. J. Environ. Res. Public Health*, **2021**, 18(5), 2407. doi.org/10.3390/ijerph18052407.
- **Malik Sallam**, Deema Dababseh, Alaa Yaseen, Ayat Al-Haidar, Duaa Taim, Huda Eid, Nidaa A Ababneh, Faris G Bakri, Azmi Mahafzah. COVID-19 misinformation: Mere harmless delusions or much more? A knowledge and attitude cross-sectional study among the general public residing in Jordan. *PloS one*, **2020**, 15(12). doi.org/10.1371/journal.pone.0243264.
- **Malik Sallam**, Rawan Batarseh, Anas Natsheh, Jumana Abbadi, Esraa Al-Fraihi, Alaa' Yaseen, Doaa Kaddomi, Nadia Khamees, Azmi Mahafzah, Gülşen Özka Şahin. An update on hepatitis C virus genotype distribution in Jordan: a 12-year retrospective study from a tertiary care teaching hospital in Amman. *BMC infectious diseases*, **2020**, 20(3). doi.org/10.1186/s12879-019-4735-3.
- Nidaa A Ababneh, Dema Ali, Ban Al-Kurdi, **Malik Sallam**, Abdulla M Alzibdeh, Bareqa Salah, Abdee T Ryalat, Belal Azab, Basil Sharrack, Abdalla Awidi. Identification of APTX disease-causing mutation in two unrelated Jordanian families with cerebellar ataxia and sensitivity to DNA damaging agents. *Plos one*, **2020**, 15(8). doi.org/10.1371/journal.pone.0236808.
- **Malik Sallam**, Deema Dababseh, Ayat Al-Haidar, Nidaa A Ababneh, Faris G Bakri, Azmi Mahafzah. Conspiracy beliefs are associated with lower knowledge and higher anxiety levels regarding COVID-19 among students at the University of Jordan. *Int. J. Environ. Res. Public Health*, **2020**, 17(14), 4915. doi.org/10.3390/ijerph17144915.
- **Malik Sallam**, Esraa Al-Fraihi, Deema Dababsah, Alaa' Yaseen, Duaa Taim, Seraj Zabadi, Ahmad A Hamdan, Yazan Hassona, Azmi Mahafzah, Gülşen Özka Şahin. Dental students' awareness and attitudes toward HPV-related oral cancer: a cross sectional study at the University of Jordan. *BMC oral health*, **2019**, 19(1). doi: 10.1186/s12903-019-0864-8.
- **M. Sallam**, J. Abbadi, A. Natsheh, N.A. Ababneh, A. Mahafzah, G. Özka Şahin. Trends in Antimicrobial Drug Resistance of *Streptococcus pneumoniae* Isolates at Jordan University Hospital (2000–2018). *Antibiotics (Basel)*, **2019**, 8(2). doi.org/10.3390/antibiotics8020041.
- Nidaa A Ababneh, **Malik Sallam**, Doaa Kaddomi, Abdelrahman M Attili, Isam Bsisu, Nadia Khamees, Amer Khatib, Azmi Mahafzah. Patterns of hepatitis B virus S gene escape mutants and reverse transcriptase mutations among genotype D isolates in Jordan. *PeerJ*, **2019**, 7:e6583.

M. Sallam

doi.org/10.7717/peerj.6583.

- **Malik Sallam.** Phylogenetic reconstruction of hepatitis C virus transmission in Southern Sweden (2007-2015). *HIV & Hepatitis Nordic Conference 2017, 2017*.
- **Malik Sallam,** Gülsen Özkaya Şahin, Mikael Ingman, Anders Widell, Joakim Esbjörnsson, Patrik Medstrand. Genetic characterization of human immunodeficiency virus type 1 transmission in the Middle East and North Africa *Heliyon, 2017, 3(7: e00352)*. doi.org/10.1016/j.heliyon.2017.e00352.
- **Malik Sallam,** Joakim Esbjörnsson, Guðrún Baldvinsdóttir, Hlynur Indriðason, Thora Björg Björnsdóttir, Anders Widell, Magnús Gottfreðsson, Arthur Löve, Patrik Medstrand. Molecular epidemiology of HIV-1 in Iceland: Early introductions, transmission dynamics and recent outbreaks among injection drug users. *Infection, Genetics and Evolution, 2017, 49*. doi:10.1016/j.meegid.2017.01.004.
- **Malik Sallam.** Phylogenetic inference in the epidemiologic and evolutionary investigation of HIV-1, HCV and HBV. *Lund University, Faculty of Medicine, 2017*.
- **Malik Sallam,** Gülsen Özkaya Şahin, Hlynur Indriðason, Joakim Esbjörnsson, Arthur Löve, Anders Widell, Magnus Gottfreðsson, Patrik Medstrand. Decreasing prevalence of transmitted drug resistance among ART-naïve HIV-1-infected patients in Iceland, 1996–2012. *Infection ecology & epidemiology, 2017, 7(1)*. doi.org/10.1080/20008686.2017.1328964.
- **Malik Salam,** Birgitta Holmgren, Anna Söderlund Strand, Gülsen Özkaya Sahin, Mattias Waldeck, Anders Widell, Patrik Medstrand. Reconstruction of the regional transmission of HCV in Southern Sweden by phylodynamics. *Journal of Clinical Virology, 2016, 82S*. doi.org/10.1016/j.jcv.2016.08.150.



Research Experience

- Academic Editor in PLOS ONE
- Associate Editor for Virology in Frontiers in Microbiology
- Guest Editor in Frontiers in Public Health
- Guest Editor in Frontiers in Pediatrics
- Reviewed 200 manuscripts as of January 2023
- Citations as of January 2023:

Google Scholar: 2,935; ResearchGate: 2,734; Semantic Scholar: 2,202; Dimensions: 2,266; Scopus: 1,699

M. Sallam

Websites and social media accounts

<http://medicine.ju.edu.jo/Lists/FacultyAcademicStaff/DispForm.aspx?ID=310>

[https://portal.research.lu.se/portal/en/persons/malik-sallam\(b12b2bd7-0aa5-4783-9cc2-f288757e4e75\).html](https://portal.research.lu.se/portal/en/persons/malik-sallam(b12b2bd7-0aa5-4783-9cc2-f288757e4e75).html)

<https://publons.com/researcher/2462572/malik-sallam/>

<https://orcid.org/0000-0002-0165-9670>

<https://scholar.google.com/citations?user=D8YI5xwA AAAJ&hl=en>

https://www.researchgate.net/profile/Malik_Sallam



<https://www.facebook.com/maliksallam6>



<https://twitter.com/MalikSallam6>



<https://www.youtube.com/channel/UCYq2ppfpkMlmnmTy4mquoMcw>



<https://www.linkedin.com/in/malik-sallam-8738a2154/>



Referees

Professor Dr. Azmi Mahafzah, M.D., Ph.D. Professor of Clinical Microbiology and Immunology, at the Department of Pathology, Microbiology, and Forensic Medicine, Faculty of Medicine, the University of Jordan, Amman, Jordan. Consultant Clinical Pathologist, Department of Laboratory Medicine, Jordan University Hospital, Amman, Jordan.

E-mail: mahafzaa@ju.edu.jo

Professor Patrik Medstrand, Ph.D. Professor of Clinical Virology, Faculty of Medicine, Lund University, Lund, Sweden.
E-mail: patrik.medstrand@med.lu.se

Dr. Anders Widell, M.D., Ph.D. Consultant Physician, Associate Professor of Clinical Microbiology, Malmö, Lund University, Lund, Sweden.

E-mail: anders.widell@med.lu.se

M. Sallam

Dr. Gülşen Özkaya Şahin, M.D., Ph.D. Specialist in Clinical Microbiology. Laboratory Medicine Skåne, Clinical Microbiology, Lund, Sweden.
E-mail: gulsen.ozkaya_sahin@med.lu.se



M. Sallam