

Curriculum vitae

Profile

Dr. Hatim Qadhy Makhdoum

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Educational Background

2011: PhD of Medical and Molecular Virology, University of Manchester, UK

2007: Master of Medical and Diagnostic Virology (merit), University of Manchester, UK

2002: Bachelor of Medical Sciences (very good), Umm Al-Qura University, Saudi Arabia

Professional Achievements and Activities

- Vice dean for Hospitals and laboratories affairs in Taibah University 2021
- Advisor of deputy minister of public health for public health laboratory operation and management (June – Aug 2016)
- Vice Dean for Quality and Academic Development in Taibah University (2016)
- Vice Dean for Educational Affairs in College of Applied Medical Sciences in Taibah University (2016)
- Deputy Director of Center inherited and Genetics Diseases in Taibah University (2015-2016)
- Head of Medical Laboratory Technology (MLT) Department in College of Applied Medical Sciences at Tabiah University (2014-2016)
- Head of Laboratories and Blood Bank at King Fahad Hospital in Jeddah (2014)
- Member in advisory board in ministry of health during MERS outbreak in Jeddah (2014)
- Assistant Professor in Clinical and Diagnostic Virology in Tabiah University (2014)

- As the Head of Medical Laboratory Technology (MLT) department and Vice Dean of Academic affairs and Quality, I have been led and involved in various of academic committees
 - Member of Applied Medical Sciences college council (2014-2018)
 - Head of training and scholarship committees in Medical Laboratory Technology department (2014-2016)
 - Head of Examinations committee in Applied Medical Sciences college (2016)
 - Head of course scheduling committee in Applied Medical Sciences college (2016)
 - Head of Curriculum development committee in Medical Laboratory Technology (2014-2016)
 - Member of standing committee of training and scholarship in university (2016)
 - Represented the university in deferent meeting, national missions and scientific conferences.
- Head of Molecular Virology Department at Jeddah Regional Lab (Ministry of Health) (2012-2014)
- Worked as Assistant Professor in Applied Medical Sciences (AMS) faculty at University of Umm Alqura in Makkah as part of collaboration program between Ministry of Health and University of Umm Alqura (2011-2012)
- Director of Training and Continuous Education Department in Toxicology and Drug Monitoring in Jeddah (2004)
- Teacher (informal) in Faculty of Health Sciences in Jeddah (2003)

Teaching and Mentoring

Formal schedule classes for Applied Medical Sciences College students

Academic Year	Course Title	Teaching Contribution
2014-2015	<ul style="list-style-type: none"> • Research Methods 	<ul style="list-style-type: none"> • Course Coordinator
2015-2016	<ul style="list-style-type: none"> • Medical Virology • Leadership and Communication Skills • General Medical Microbiology • Quality control in laboratory medicine 	<ul style="list-style-type: none"> • Course Coordinator • Course Coordinator • Instructor • Instructor
2016-2017	<ul style="list-style-type: none"> • Medical Virology • Leadership and Communication Skills • General Medical Microbiology 	<ul style="list-style-type: none"> • Course Coordinator • Course Coordinator • Instructor
2019-2021	<ul style="list-style-type: none"> • Medical Virology • Leadership and Communication Skills • General Medical Microbiology 	<ul style="list-style-type: none"> • Instructor • Course Coordinator • Instructor

Workshop and Training Courses Attended

- Attended (120 hours) course in “***UK professional standards framework for teaching and learning***” (2016)
- ***Change Management in Higher Education***, organised by Ministry of Education (2015)
- ***Advancing Genomic Application to better understanding Disease***, organised by Illumina 2014,
- ***Next Generation Sequencing Implication for clinical lab*** offered by Illumina in Center inherited and Genetics Diseases, Tabiah University (2015).
- Attended course “***Leadership Skills and Health system***”. Jeddah, community and family medicine center (2004)
- Attended course “***Leadership and organization in health services***”. Jeddah, community and family medicine center (2004)

- Attended course “**Health planning**”. Jeddah, community and family medicine center (2004)
- Attended course “**Financial auditing and total quality management for health services**”. Jeddah, community and family medicine center (2004)
- Attended short course in “**Viruses and Vaccines**”. Jeddah, at King Fahad Hospital (2004) .
- Attended course “**Skills for training managers**”

Presentations and scientific talk

- 1- **Emerging Viruses** presented at **public health directorate in Jeddah** 2014.
- 2- **MERS Laboratory diagnosis** presented at **Saudi critical care conference in Riyadh** 2014.
- 3- **Update in MERS Laboratory diagnosis** presented at **Korean Centers of Disease Control (KCDC)** 2015
- 4- **Zika Virus (Known and the Unknown)** presented at **King Abdullah Medical Compound in Jeddah** 2016.
- 5- **Emerging virus; can we expect the unexpected?** presented at **King Fahad General Hospital in Madinah** 2018
- 6- **SARS Cov-2 the known and unknown?** presented at **Taibah University “conference university hall”** 2020
- 7- **COVID19 “ Man made or God made”** presented at **Saudi Germen Hospitals (Webinar)** 2020
- 8- **Challenges in laboratory diagnosis of Covid-19** presented at **King Abdulsaziz University in Jeddah “4 days international Covid-19 challenges” (Webinar)** 2020

Research Projects

- **Transmission and evolution of the Middle East respiratory syndrome coronavirus in Saudi Arabia: a descriptive genomic study** Matthew Cotten, Simon J Watson, Paul Kellam, Abdullah A Al-Rabeeah, **Hatem Q Makhdoom**, Abdullah Assiri, Jaffar A Al-Tawfiq, Rafat F Alhakeem, Hossam Madani, Fahad A AlRabiah, Sami Al Hajjar, Wafa N Al-nassir , Ali Albarrak, Hesham Flemban, Hanan H Balkhy, Sarah Alsubaie, Anne L Palser, Astrid Gall, Rachael Bashford-Rogers, Andrew Rambaut, Alimuddin I Zumla, Ziad A Memish. (2013) . *Lancet Infect Dis* (13) 61887-5 <https://www.ncbi.nlm.nih.gov/pubmed/24055451/>
- **Epidemiological, demographic, and clinical characteristics of 47 cases of Middle East respiratory syndrome coronavirus disease from Saudi Arabia: a descriptive study** Abdullah Assiri, Jaffar A Al-Tawfiq, Abdullah A Al-Rabeeah, Fahad A Al-Rabiah, Sami Al-Hajjar, Ali Al-Barrak, Hesham Flemban, Wafa N Al-Nassir, Hanan H Balkhy, Rafat F Al-Hakeem, **Hatem Q Makhdoom**, Alimuddin I Zumla, Ziad A Memish. (2013). *Lancet Infect Dis* (13) 70204-4 <https://www.ncbi.nlm.nih.gov/pubmed/23891402/>
- **Hospital Outbreak of Middle East Respiratory Syndrome Coronavirus** Abdullah Assiri, M.D., Allison McGeer, M.D., Trish M. Perl, M.D., Connie S. Price, M.D., Abdullah A. Al Rabeeah, M.D., Derek A.T. Cummings, Ph.D., Zaki N. Alabdullatif, M.D., Maher Assad, M.D., Abdulmohsen Almulhim, M.D., **Hatem Makhdoom, Ph.D.**, Hossam Madani, Ph.D., Rafat Alhakeem, M.D., Jaffar A. Al-Tawfiq, M.D., Matthew Cotten, Ph.D., Simon J. Watson, Ph.D., Paul Kellam, Ph.D., Alimuddin I. Zumla, M.D., and Ziad A. Memish, M.D. (2013). *New England Journal of Medicine* (5) 407-16. <https://www.ncbi.nlm.nih.gov/pubmed/23782161>
- **Human infection with MERS coronavirus after exposure to infected camels, Saudi Arabia, 2013** Memish ZA, Cotten M, Meyer B, Watson SJ, Alshahfi AJ, Al Rabeeah AA, Corman VM, Sieberg A, **Makhdoom HQ**, Assiri A, Al Masri M, Aldabbagh S, Bosch BJ, Beer M, Müller MA, Kellam P, Drosten C. *Emerg Infect Dis.* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/24857749>
- **Respiratory tract samples, viral load, and genome fraction yield in patients with Middle East respiratory syndrome** Memish ZA, Al-Tawfiq JA, **Makhdoom HQ**, Assiri A, Alhakeem RF, Albarrak A, Alsubaie S, Al-Rabeeah AA, Hajomar WH, Hussain R, Kheyami AM, Almutairi A, Azhar EI, Drosten C, Watson SJ, Kellam P, Cotten M, Zumla A. *J Infect Dis.* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/24837403>

- **Middle East respiratory syndrome coronavirus disease in children.** Memish ZA, Al-Tawfiq JA, Assiri A, AlRabiah FA, Al Hajjar S, Albarrak A, Flemban H, Alhakeem RF, Makhdoom HQ, Alsubaie S, Al-Rabeeah AA. *Pediatr Infect Dis J.* 2014 https://journals.lww.com/pidj/Abstract/2014/09000/Middle_East_Respiratory_Syndrome_Coronavirus.3.aspx
- **Prevalence of MERS-CoV nasal carriage and compliance with the Saudi health recommendations among pilgrims attending the 2013 Hajj.** Memish ZA, Assiri A², Almasri M², Alhakeem RF², Turkestani A³, Al Rabeeah AA², Al-Tawfiq JA⁴, Alzahrani A², Azhar E⁵, **Makhdoom HQ**⁶, Hajomar WH⁷, Al-Shangiti AM⁸, Yezli S². *J Infect Dis.* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/24620019>
- **Spread, circulation, and evolution of the Middle East respiratory syndrome coronavirus.** Cotten M, Watson SJ, Zumla AI, **Makhdoom HQ**, Palser AL, Ong SH, Al Rabeeah AA, Alhakeem RF, Assiri A, Al-Tawfiq JA, Albarrak A, Barry M, Shibl A, Alrabiah FA, Hajjar S, Balkhy HH, Flemban H, Rambaut A, Kellam P, Memish ZA. *MBio.* 2014 <https://mbio.asm.org/content/5/1/e01062-13>
- **Screening for Middle East respiratory syndrome coronavirus infection in hospital patients and their healthcare worker and family contacts: a prospective descriptive study.** Memish ZA, Al-Tawfiq JA, **Makhdoom HQ**, Al-Rabeeah AA, Assiri A, Alhakeem RF, AlRabiah FA, Al Hajjar S, Albarrak A, Flemban H, Balkhy H, Barry M, Alhassan S, Alsubaie S, Zumla A. *Clin Microbiol Infect.* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/24460984>
- **Demographic distribution and transmission potential of influenza A and 2009 pandemic influenza A H1N1 in pilgrims.** Ashshi A, Azhar E, Johargy A, Asghar A, Momenah A, Turkestani A, Alghamdi S, Memish Z, Al-Ghamdi A, Alawi M, El-Kafrawy S, Farouk M, Harakeh S, Kumosani T, **Makhdoom H**, Barbour EK. *J Infect Dev Ctries* 2014 <https://www.ncbi.nlm.nih.gov/pubmed/25212081>
- **Parvovirus B19 viral infection and its incidence in Saudi Arabia, Makhdoom HQ.** *International Journal of Academic Scientific Research* (2106) <https://pdfs.semanticscholar.org/e2de/cbc28e5940cc1b759e79ecaac8f6c9106a3d.pdf>
- **In silico analysis of Chikungunya virus (CHIKV), a mosquito-borne alphavirus** Khalil H Al Ali, **Hatem Qadhy Makhdoom**, Mouhanad Al Ali *African Journal of Microbiology Research* (2017) <https://doi.org/10.5897/AJMR2017.8490>

- **MERS-CoV infection in humans is associated with a pro-inflammatory Th1 and Th17 cytokine profile**, Mahallwi WH, Khabour OF², Zhang Q³, Makhdoum HM¹, Suliman BA⁴. *Cytokine* (2018)
<https://www.ncbi.nlm.nih.gov/pubmed/29414327>
- **Prolonged humoral and cellular immunity in COVID-19-recovered patients**, May A. Alsayb , Ali Dakhilallah D. Alsamiri, Hatem Q. Makhdoom, Turki Alwasaidi , Haitham Mohammed Osman, Waleed H. Mahallawi. *Saudi Journal of Biological Sciences* (2021) <https://pubmed.ncbi.nlm.nih.gov/33867805/>

References

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