
MAJID MOHAMMED MAHMOOD

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EDUCATION

Jan 2014 – now	School of Veterinary Medicine and Science (Vet School/Sutton Bonington Campus), The University of Nottingham, UK.
PhD	Current student in the Department of Infection and Immunity.
July 2013 – Dec 2013	English Language course at Jubilee Campus, The University of Nottingham, UK
English course	Passed (chosen as a representative due to high communication skills and excellent English language).
Oct 2007 – Sept 2009	MSc Zoonotic Diseases, College of Veterinary Medicine, University of Baghdad, Iraq
MSc	Graduated with high marks (average 87/100).
1999-2004	BVSc College of Veterinary Medicine and Science, University of Baghdad, Iraq
BVSc (Hons)	First class (average 87/100).

EMPLOYMENT HISTORY

Nov 2009 – July 2013 :	Assistant Lecturer at Unit of Zoonotic Diseases / College of Veterinary Medicine / University of Baghdad
April 2010– Oct 2011:	Head of Quality Assurance and University Performance at College of Veterinary Medicine / University of Baghdad
Dec 2005 – Oct 2009:	Technician at Unit of Zoonotic Diseases / College of Veterinary Medicine / University of Baghdad
Aug 2004 – July 2013:	Vet (member at Iraqi Veterinary Syndicate)

RESEARCH PROJECTS

PhD :	Toll-like receptors (TLRs) and T cell effector function, Supervisors: Prof. David Haig & Assoc. Prof. Robin Flynn
I.	Generation of Regulatory T cells (Tregs) in vitro in rabbits and bovine species.
II.	Isolation of bovine peripheral blood mononuclear cells (PBMCs) and fractionating them by MACS into CD4+, CD8+ & gamma delta T cells.
III.	Gene expression : total RNA extraction, cDNA synthesis to detect 10 TLRs by qPCR.
IV.	Cytokines profile (measured by ELISA) from the stimulated PBMCs & their fractions by TLR agonists.
V.	Flow cytometry (FACS): for labelling each cell phenotype, CFSE assay, cell sorting for CD4+CD25+ T cells (for Tregs suppression assay).
MSc :	"Immunopathological Study of <i>Staphylococcus aureus</i> Isolated from Bovine Mastitis". Supervisor: Prof. Alwan MJ
I.	Isolation of pathogenic <i>S aureus</i> from cows' mastitic milk and cultured the isolates on bacteriological media, biochemical tests (API Staph) for identification.
II.	Developed 3 types of immunogenes derived from <i>S aureus</i> (formalin killed , ultrasonicated & live attenuated <i>S aureus</i> antigens). Injected in white BALB/C mice.
III.	Measuring murine humoral immunity by haemagglutination assay and cellular immunity by Skin test "Delayed type hypersensitivity (DTH)".
IV.	Histopathological sectioning (H & E stain) to screen the infiltration of the immune cells through the internal body organs with a focus on lymphoid organs (spleen).

SKILLS

Clinical: Sampling (blood, serum, milk... etc), animal handling, diagnostics, therapy administration, vaccination campaigns, general veterinary medical practice, clinical research, sero-epidemiological surveys & zoonosis.

Lab : Tissue culture, cell culture, microbiology basics (staining, culturing & biochemical tests), flow cytometry (FACS), cell sorting, CFSE assay, MACS (Miltenyi Biotec) direct and indirect, PBMCs isolation, lymphocytes' stimulation, PCR , RNA extraction, Gene expression profile, real time PCR (RT-qPCR) plus data analysis, Gel electrophoresis, phagocytic index, ELISA, immunoassays.

Others : University teaching (both theoretical and practical, clinical sessions and academic lessons with a focus on Immunology), project design, biostatistics, conference co-organiser, delivering presentations (academic & public engagement), working independently and also within a team (co-operative), pro-active, creative and innovative, problem solving, Website admin (solid IT skills), making connections with scientists in both industry and academia. More info can be found on LinkedIn, please find me by typing "Majid M Mahmood (Alani)" in the search tool or click on this link please :

<https://www.linkedin.com/in/majid-m-mahmood-alani-178ab366/>

Socially, I am a fun lover on Facebook and here is my link:

<https://www.facebook.com/alani.majid>

CONFERENCES :

- 1) Third Nottingham Immunology Showcase, 2016. Medical School / The University of Nottingham / UK.
- 2) M5 Biomedical Imaging Conference, 2015. School of Veterinary Medicine and Science / The University of Nottingham / UK.
- 3) The 2015 Innate Immunity Summit, 2015. London / UK.
- 4) Emerging Viruses 2015 Conference, 2015. School of Veterinary Medicine and Science / The University of Nottingham / UK. (Participated as a volunteered co-organiser).
- 5) BSI Summer School in Immunology: Innate to Adaptive Immunity, 2015. University of York / UK.
- 6) Second Immunology Showcase Conference, 2015. Medical School / The University of Nottingham / UK.
- 7) University of Nottingham Flow Cytometry Meeting, 2014. Medical School / The University of Nottingham / UK.
- 8) M5 Biomedical Imaging Conference, 2014. School of Veterinary Medicine and Science / The University of Nottingham / UK.
- 9) The Eleventh Veterinary Scientific Conference, 2012. College of Veterinary Medicine / University of Baghdad / Iraq.
- 10) The Ninth Veterinary Scientific Conference, 2010. College of Veterinary Medicine / University of Baghdad / Iraq.

PRESENTATIONS:

- 1) Toll-Like Receptors (TLRs) Expressed on Bovine PBMCs and T cell Subsets (2015). School of Veterinary Medicine and Science / The University of Nottingham / UK.
- 2) Toll-like receptors (TLR) and T cell effector function versus immuno-suppression (2014). The Faculty Postgraduate Research Forum (Medicine and Health Sciences Faculty) / The University of Nottingham / UK.

COLLABORATIVE WORK :

- 1) Made a connection with the Flow Cytometry Facility / Medical School / The University Of Nottingham / UK. 2014-2016
- 2) Networked with the Vet Clinics in Baghdad area and surrounding superb. 2010-2013.
- 3) Established scientific connections with the Central Public Health Laboratory / Baghdad / Iraq. 2008-2011.

WORKSHOPS :

- 1) Flow Cytometry Workshop with the CytoFLEX, benchtop cytometry without compromises, Beckman Coulter flow cytometry workshop: an open workshop, 2016. Medical School / The University Of Nottingham / UK.
- 2) European Antibiotic Awareness Day (WAAW), 2015. The University of Nottingham / UK.
- 3) Comparative Medicine and Clinical Research Joint Workshop, 2015. School of Veterinary Medicine and Science / The University of Nottingham / UK.
- 4) BBSRC Funding Workshop, 2015. Managed by Sarah Plowman from the Biotechnology and Biological Sciences Research Council (BBSRC). School of Veterinary Medicine and Science / The University of Nottingham / UK.

PUBLICATIONS

- 1) **MAJID M MAHMOOD**, DAVID HAIG AND ROBIN FLYNN (2014). Toll-like receptors (TLRs) and T cell effector function versus immuno-suppression. A poster published in the Faculty Postgraduate Research Forum (Medicine and Health Sciences Faculty) The University of Nottingham, UK. <http://www.sportsarthritisresearchuk.org/seoa/documents/forum-timetable-2014.pdf>
- 2) **MAJID MOHAMMED MAHMOOD** (2014). Isolation of *Staphylococcus aureus* from different affections in cows and study its virulence and sensitivity to antibiotics. A comparative study. The Iraqi Journal of Veterinary Medicine 38(1): 9-14. <http://www.iasj.net/iasj?func=issueTOC&isId=5560&uiLanguage=en>
- 3) H.A.H. AL-HADITHY; N.M. BADAWI AND **M.M. MAHMOOD** (2013). Estimation of Serum Liver Enzymes Activities in Awassi Sheep. The Iraqi Journal of Veterinary Medicine, 37(1): 115 – 120. <http://www.iasj.net/iasj?func=fulltext&ald=82155>
- 4) **MAJID MOHAMMED MAHMOOD**, MOUTAZ ABDUL WAHID ABDUL-AL-MOUNAM & BASIL RAZOOK FARAJ (2013). Detection of Bacterial and Fungal Contaminants of the Imported Semen Straws Used for Cows. Kufa Journal for Veterinary Medical Sciences, Vol 4 , No 1 , 23-30. <http://www.uokufa.edu.iq/journals/index.php/kjvs/article/view/1534>
- 5) HARITH AH. AL-HADITHY, NASEIR M.N. BADAWI & **MAJID M. MAHMOOD** (2013). Concentrations of Some Serum Elements in Clinically Healthy and Anemic Iraqi Awassi Sheep. International Journal for Sciences and Technology, 8(1): 72-78. [http://www.ijst-jo.com/library/vol/IJST-%20Vol\(8\)-%20No%20\(1\)%20March%202013-%20Final.pdf](http://www.ijst-jo.com/library/vol/IJST-%20Vol(8)-%20No%20(1)%20March%202013-%20Final.pdf)
- 6) S. S. SALMAN, H. A. AL-HADITHY, **M. M. MAHMOOD** (2013). The Hematological Parameters and Serum Protein Values in Tuberculin Reactor and Non-reactor Dairy Cattle. Al-Anbar Journal of Veterinary Sciences 6(1): 124-130. <http://www.iasj.net/iasj?func=fulltext&ald=80400>
- 7) AL-HADITHY H. AH, AL-BADAWI N.M. & **MAHMOOD M.M** (2012). Status Of Some Serum Electrolytes Concentrations In Iraqi Awassi Sheep. I.J.A.B.R., VOL. 2(3): 540-544. [http://www.scienceandnature.org/IJABR_Vol2\(3\)2012/IJABR_V2\(3\)28.pdf](http://www.scienceandnature.org/IJABR_Vol2(3)2012/IJABR_V2(3)28.pdf)
- 8) M. A. ABDUL-AL-MOUNAM, B. R. FARAJ AND **M. M. MAHMOOD** (2012). Study of Penetration of *Salmonella typhimurium* and *Proteus vulgaris* through Table Egg Shell Membranes at Various Temperatures. Al-Anbar Journal of Veterinary Sciences, 5(1):50-55. <http://www.iasj.net/iasj?func=fulltext&ald=59129>
- 9) **MAHMOOD, M.M.**; KHALAF, O.H.; ABID, F.K. AND ZNAD, K.H. (2011). Pathological Study of an Outbreak of Bovine Papilloma (Cutaneous Papillomatosis) in AL-Anbar Province. "Domestic Animals between Heritage and Contemporary", Proceeding of Second Scientific Conference / Centre for Arab Scientific Heritage Revival, Baghdad University, 422-433.