

## **Dr. Rebar N. Mohammed,**

Assist. Prof. Clinical Immunology  
Bone Marrow Transplantation Centre,  
Hiwa Cancer Hospital,  
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### **EDUCATION**

<b>PhD Clinical Immunology</b> School of Medicine Cardiff University Cardiff United Kingdom	<b>2012 - 2016</b>
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<b>English Language Course Intensive English Learning</b> Cardiff University Cardiff United Kingdom	<b>2011- 2012</b>
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<b>MSc Biomedical Science Immunoematology</b> School of Health Science Cardiff Metropolitan University Cardiff United Kingdom	<b>2008 - 2010</b>
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<b>Bachelor Veterinary Medicine and Surgery</b> College of Veterinary Medicine University of Sulaimani Kurdistan Iraq	<b>2002 - 2007</b>
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## OCCUPATIONS

### **Lecturer**

**Medical Laboratory Science (MLS) Department  
College of Medical Sciences  
Komar University of Science and Technology  
Kurdistan/ Iraq**

In this position, I am responsible to teach the immunology course. This task includes preparing both theory and practical laboratory lectures taught to the undergraduate students.

**Deputy Head of Microbiology Department  
College of Veterinary Medicine  
University of Sulaimani  
Kurdistan/ Iraq**

In this position, I was responsible to arrange all the necessity of the microbiology department and report the activities to the head of the department.

**Clinical Flow Cytometrist  
Head of Flow Cytometry Laboratory  
Bone Marrow Transplant Center  
Hiwa Cancer Hospital  
Sulaimani  
Kurdistan/ Iraq**

In this position, I am responsible to organize and function the flow cytometry lab which we provide number of services to the BMT centre in our hospital. Stem cell enumeration, stem cell viability assessment prior to transplantation and immunological re-constitution assessment following transplant is the routine tests that we provide in our laboratory.

**Instructor  
Cardiff University  
Cardiff  
United Kingdom**

In this position, I was responsible to teach undergraduate students studying at the school of medicine at stage 1-2, I was helping the students with designing short project including both theoretical and laboratory aspect of the project as a requirement for their graduation.

**Lecturer  
College of Veterinary Medicine  
University of Sulaimani  
Kurdistan/ Iraq**

In this position, I am responsible to teach the immunology course. This task includes preparing both theory and practical laboratory lectures taught to the undergraduate students.

## PUBLICATIONS and COLLABORATIONS

1. **Rebar N. Mohammed**, The Impact of Age and Gender on Hematopoietic Stem Cells and Immune Contexture of the Bone Marrow Microenvironment, *Cells Tissues Organs*. 209 (2020) 209-214.
2. **Rebar N. Mohammed**, D. Ahmad, N. Khoshnaw, D.O. Hassan, H.A. Abdulrahman, M. Vacca, M. Possenti, D. Faruq, H. Omer, S. Muhamad, I. Majolino, D.N. Othman, Leukapheresis cell concentration adjustment required for a successful recovery of HSC after cryopreservation, *Cryobiology*. (2019) 1–5.
3. **Rebar N. Mohammed**, H.A. Watson, M. Vigar, J. Ohme, A. Thomson, I.R. Humphreys, A. Ager, L-selectin Is Essential for Delivery of Activated CD8+ T Cells to Virus-Infected Organs for Protective Immunity, *Cell Rep*. 14 (2016) 760–771.
4. **Rebar N. Mohammed**, S.C. Wehenkel, E. V. Galkina, E.K. Yates, G. Preece, A. Newman, H.A. Watson, J. Ohme, J.S. Bridgeman, R.R.P. Durairaj, O.R. Moon, K. Ladell, K.L. Miners, G. Dolton, L. Troeberg, M. Kashiwagi, G. Murphy, H. Nagase, D.A. Price, R.J. Matthews, V. Knäuper, A. Ager, ADAM17-dependent proteolysis of L-selectin promotes early clonal expansion of cytotoxic T cells, *Sci. Rep*. 9 (2019) 1–12.
5. A. Ager, H.A. Watson, S.C. Wehenkel, **Rebar N. Mohammed**, Homing to solid cancers: A vascular checkpoint in adoptive cell therapy using CAR T-cells, *Biochem. Soc. Trans*. 44 (2016) 377–385.
6. N.J. Ahmed, A.Z. Husen, N. Khoshnaw, H.A. Getta, Z.S. Hussein, A.K. Yassin, S.D. Jalal, **Rebar N. Mohammed**, A.F. Alwan, The effects of smoking on IgE, oxidative stress and haemoglobin concentration, *Asian Pacific J. Cancer Prev*. 21 (2020) 1069–1072.
7. I. Majolino, D. Mohammed, D. Hassan, F. Ipsevich, C. Abdullah, **Rebar N. Mohammed**, A. Frigato, A. Palmas, M. Possenti, D. Noori, D. Ali, H. Karem, S. Salih, M. Vacca, C. Del Fante, A. Ostuni, M.S. Massei, A.M. Marta, S. Vasta, M. Gabriel, M. Verna, A. Rovelli, V. Conter, K. Ali, D. Othman, Initial Results of Peripheral-Blood Cryopreservation , and Engraftment After Autologous Transplantation Confirm That the Capacity-Building Approach Offers Good Chances of Success in Critical Contexts : A Kurdish-Italian Cooperative Project at the Hiwa Can, *J. Glob. Oncol*. 1 (2017) 1–8.
8. I. Majolino, D. Othman, A. Rovelli, D. Hassan, L. Rasool, M. Vacca, N. Abdalrahman, C. Abdullah, Z. Ahmed, D. Ali, K. Ali, C. Broggi, C. Calabretta, M. Canesi, G. Ciabatti, C. Del Fante, E. De Sapio, G. Dore, A. Frigato, M. Gabriel, F. Ipsevich, H. Kareem, D. Karim, R. Leone, T. Mahmood, A. Manna, M.S. Massei, A. Mastria, D. Mohammed, **Rebar N. Mohammed**, K. Najmaddin, D. Noori, A. Ostuni, A. Palmas, M. Possenti, A. Qadir, G. Real, R. Shrif, C. Valdatta, S. Vasta, M. Verna, M. Vittori, A. Yousif, F. Zallio, A. Calisti, S. Quattrocchi, C. Girmenia, The start-up of the first hematopoietic stem cell transplantation center in the Iraqi Kurdistan: A capacity building cooperative project by the Hiwa Cancer Hospital, Sulaymaniyah, and the Italian Agency for Development Cooperation: An innovative approach, *Mediterr. J. Hematol. Infect. Dis*. 9 (2017) 1–10.
9. N. Shomali, T. Gharibi, G. Vahedi, **Rebar N. Mohammed**, H. Mohammadi, S. Salimifard, F. Marofi, Mesenchymal stem cells as carrier of the therapeutic agent in the gene therapy of blood disorders, *J. Cell. Physiol*. 235 (2020) 4120–4134.
10. H.A. Watson, R.R.P. Durairaj, J. Ohme, M. Alatsatianos, H. Almutairi, **Rebar N. Mohammed**, M. Vigar, S.G. Reed, S.J. Paisey, C. Marshall, A. Gallimore, A. Ager, L-selectin enhanced T cells improve the efficacy of cancer immunotherapy, *Front. Immunol*. 10 (2019) 1–20.
11. S.M. Caucheteux, J. Hu-Li, **Rebar N. Mohammed**, A. Ager, W.E. Paul, Cytokine regulation of lung Th17 response to airway immunization using LPS adjuvant, *Mucosal Immunol*. 10 (2017) 361–372.

## PERSONAL STATEMENT

I first became interested in teaching through my inspiration with one my teacher in the high school. Something I have done since I was 15, training to become a teacher in the process. This made me realize I enjoyed working with this field, and University experience confirmed teaching as a career choice. My subsequent Master and PhD Degree Education courses at Cardiff University has served further to fire my enthusiasm and prepared me effectively to take responsibility for my own class.

During my Master degree, I had a chance to study in one of the UK university, this degree has taught me that how important to adapt the best laboratory procedures during medical work.

My PhD degree has trained me to cover all the important aspect in Immunology and clinical laboratory works, and my subject. I feel it is important to make learning interesting and creative, and one way to achieve this is through the use of advances techniques in teaching; this allows student to explore and understand situations, and express feelings, thoughts and emotions.

My university and specially my PhD degree course, has confirmed my belief that teaching is one of the most challenging, demanding, exhausting but varied and exciting careers there are. I really look forward to start teaching in the Food industry and quality control institute that is so important, being privileged to be such a vital part of so many life fields and making a real difference.

I wish I can work at American University of Iraq, Suleimanyah (AUIS) University and provide the most up to date methods of teaching and teach the student the real life experience that I have learned during my work at the Hiwa Cancer Hospital.

### Google Scholar site

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

**PROFILE** Friendly, hard working with career-entry level knowledge and sales skill, have critical thinking skills and problem solving strategies in the retail environment.

**IT skill:** word document, excel, power point presentation, internet browsing, etc.

\*\*\* References available up on request.