

CURRICLAM VITAE
RANA MUMTAZ RAOOF
MBChB , MSc, PhD

Education

- **May-2013/Feb-2018:**

RCSI

PhD in Molecular Medicine/ Neuroscience.

Thesis supervisor: Prof. David C. Henshall

- **2003-2005:**

College of Medicine, University of Mosul, Mosul, Iraq.

Master degree in Human Anatomy.

Supervisor: Prof Abduljabbar Al-Hubaity

- **1993-1999:**

College of Medicine, University of Mosul, Mosul, Iraq.

MBChB

Graduated with high distinction (top 20 out of 178).

Clinical experience:

- **2002-2003:**

SHO/ Obstetrics and Gynaecology/ AL-Khansaa teaching hospital. Mosul-Iraq.

Clinical research fellow in the Department of Anatomy/ College of Medicine, University of Mosul, Mosul, Iraq.

- **1999-2002:**

Two years internship in Mosul teaching hospitals with clinical rotation throughout different medical and surgical specialities.

University teaching experience

- Feb 2018- current:
- And 2009- March 2013:

Department of Anatomy, Mosul medical college, Mosul, Iraq.

Lecturer position in the Department of Anatomy. Responsibility included leading weekly lectures in Human Histology and Neuroanatomy for the first and second year undergraduate medical students (150 student each) in addition to leading discussion activities and designing and grading exams and quizzes.

- 2005-2009:

Department of Anatomy, Mosul medical college, Mosul, Iraq.

Assistant lecturer for the first and second year undergraduate medical students with the main responsibility was to lead Histology labs, lead discussion sessions integrating different anatomical, histological and clinical facts and design laboratory demonstrations to illustrate course concepts.

Research experience

- 2013-2018:

PhD thesis research conducted in the lab of Prof. David Henshall (Department of physiology and medical physics/ RCSI) on the role of extracellular microRNAs as a diagnostic biomarkers of epilepsy. The project was part of the EpimiRNA consortium and involved dual platform and multi-centre analysis of plasma microRNA in both epilepsy patient and in healthy controls. Collaboration and continuous communication and discussion with many clinicians and researchers in epilepsy clinics and epilepsy research centres involved in EpimiRNA was necessary to achieve the goals of the project.

- 2005-2013:

Clinical researcher in the Department of Anatomy/ College of Medicine, University of Mosul, Mosul, Iraq with the main responsibility was to conduct different research projects in collaboration with clinical departments.

- 2003-2005:

Master thesis conducted with Prof. Abduljabbar Al-Hubaity on the Histological and histochemical changes of full term placentae in preeclamptic mothers.

University Services:

- **Dec 2018- current:**

Head of scientific affairs, College of Medicine, University of Mosul, Mosul, Iraq.

Accreditation committee: member, College of Medicine, University of Mosul, Mosul, Iraq

Modules and curriculum committee: member, College of Medicine, University of Mosul, Mosul, Iraq.

- **2005-2007:**

General assessment committee, Mosul Medical College, Mosul, Iraq

Member, helping to ensure high standard of quality of conducting examinations and organizing workshops for the improvement of the college examination system.

Professional development

- IELTS: 7.5 conducted on 8th July 2017
- Physicians as trainers: Supervision and performance management (RCPI), December/2017.
- Physician as trainer essential skills (RCPI), November 2017.
- Communicating your research (workshop, RCSI), 2017.
- What is quality in medical education (workshop, RCSI), 2016.
- Grant writing (workshop, RCSI), 2016.
- What are people saying about you? (RCSI supporting researchers workshop series), RCSI, 2016.
- How to improve your scientific presentation? (RCSI supporting researchers workshop series), RCSI, 2016.
- Bitesize leadership, managing difficult situations, RCSI, 2015.
- Bitesize management, running effective meetings, RCSI, 2015.
- Project management workshop, RCSI, 2014.
- Writing and using outcomes workshop, RCSI, 2014.

Websites:

Researchgate: https://www.researchgate.net/profile/Rana_Raoof

Researcher ID: J-9316-2019

ORCID: <https://orcid.org/0000-0001-5418-1407>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=-YuirxAAAAAJ>

Scopus Author ID: 56940905300

Mendeley profile: <https://www.mendeley.com/profiles/rana-raoof/>

Publications:

- Marion C. Hogg, **Rana Raoof**, Naser Monsefi, Hany El Naggar, Norman Delanty, Sebastian Bauer, Felix Rosenow, David C. Henshall & Jochen H.M. Prehn. **Plasma tiRNA fragments are elevated in advance of seizures in human temporal lobe epilepsy (in preparation).**
- **Rana Raoof**, Sebastian Bauer, Hany El Naggar, Niamh M.C. Connolly, Gary P. Brennan, Elizabeth Brindley, Thomas Hill, Hazel McArdle, Elaine Spain, Robert J. Forster, Jochen H.M. Prehn, Hajo Hamer, Norman Delanty, Felix Rosenow, Catherine Mooney, David C. Henshall. **Dual-center, dual-platform microRNA profiling identifies potential plasma biomarkers of adult temporal lobe epilepsy**, EBioMedicine (2018), <https://doi.org/10.1016/j.ebiom.2018.10.068> **Impact factor: 6.18**
RAOOF, R., JIMENEZ-MATEOS, E. M., BAUER, S., TACKENBERG, B., ROSENOW, F., LANG, J., ONUGOREN, M. D., HAMER, H., HUCHTEMANN, T., KORTVELYESSY, P., CONNOLLY, N. M. C., PFEIFFER, S., PREHN, J. H. M., FARRELL, M. A., O'BRIEN, D. F., HENSHALL, D. C. & MOONEY, C. (2017). Cerebrospinal fluid microRNAs are potential biomarkers of temporal lobe epilepsy and status epilepticus. Sci Rep, 7, 3328. Impact factor: 4.12
- MCARDLE, H., JIMENEZ-MATEOS, E., **RAOOF, R.**, CARTHY, B., BOYLE, D., ELNAGGAR, H., DELANTY, N., HAMER, H., KÖRTVELYESSY, P., ROSENOW, F., FORSTER, R., HENSHALL, D. & SPAIN, E. (2017). **"TORNADO" – Theranostic One-Step RNA Detector; microfluidic disc for the direct detection of microRNA-134 in plasma and cerebrospinal fluid from patients who experienced seizures** Sci Rep. **Impact factor: 4.12**
- RAJMAN, M., METGE, F., FIORE, R., KHUDAYBERDIEV, S., AKSOY-AKSEL, A., BICKER, S., RUEDELL RESCHKE, C., **RAOOF, R.**, BRENNAN, G. P., DELANTY, N., FARRELL, M. A., O'BRIEN, D. F., BAUER, S., NORWOOD, B., VENO, M. T., KRÜGER, M., BRAUN, T., KJEMS, J., ROSENOW, F., HENSHALL, D. C., DIETERICH, C. & SCHRATT, G. 2017. **A microRNA-129-5p/Rbfox crosstalk coordinates homeostatic downscaling of excitatory synapses.** The EMBO Journal, 36, 1770-1787. Impact factor: 9.79
- MOONEY, C., BECKER, B. A., **RAOOF, R.** & HENSHALL, D. C. (2016). **EpimiRBase: a comprehensive database of microRNA-epilepsy associations.** Bioinformatics, 32, 1436-8. **Impact factor: 5.48**
- MOONEY, C., **RAOOF, R.**, EL-NAGGAR, H., SANZ-RODRIGUEZ, A., JIMENEZMATEOS, E. M. & HENSHALL, D. C. (2015). **High Throughput qPCR Expression Profiling of Circulating MicroRNAs Reveals Minimal Sex- and Sample Timing-Related Variation in Plasma of Healthy Volunteers.** PLoS One, 10, e0145316. **Impact factor: 2.76**
- SPAIN, E., JIMENEZ-MATEOS, E. M., **RAOOF, R.**, ELNAGGAR, H., DELANTY, N., FORSTER, R. J. & HENSHALL, D. C. (2015). **Direct, non-amplified detection of microRNA-134 in plasma from epilepsy patients.** RSC Advances, 5, 90071- 90078. **Impact factor: 2.93**