

# Maha Mohsin Khalaf

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## Education:

- **PhD**                      **Pharmacology**                      **2014-2019**  
University of Portsmouth, School of Pharmacy and Biomedical Science.  
Portsmouth, UK.  
Thesis title: *The role of CFTR in normal human lung microvascular endothelial cells.*
- **MSc**                      **Pharmacology**                      **2004-2006**  
University of Al-Nahrain, College of Medicine. Baghdad, Iraq.  
Dissertation title: *Bronchodilatory effect of some drugs and medicinal plants in rabbit induced bronchospasm.*
- **BS Veterinary Medicine and Surgery**                      **June 2001**  
University of Baghdad, College of Veterinary Medicine. Baghdad, Iraq.  
Graduation project: *Bovine brucellosis.*

## Laboratory skills:

- **Laboratory techniques:**
  - Cell culturing (cell line and primary cells culturing)
  - Human lung microvascular endothelial primary cells functions
  - Human bronchial epithelial cells (16HBE) culturing
  - Western blotting (wet and semidry)
  - ELISA
  - Gene silencing
  - Electroporation
  - Confocal microscopy
  - Reactive oxygen and nitrogen species detection
  - RNA extraction and qPCR
  - Immunocytochemistry
  - Isolated tissue organ path technique
  - Neutrophil isolation and labelling
  - Luminescence assays
  - Applying shear stress on vascular endothelia cells experiments
- **Laboratory animals (rats, mice, and rabbits):** handling, blood sample collection, general anaesthesia procedures, isolating organs.

## Additional skills:

- Experiment design, statistical analysis of data.
- Proficient in using Microsoft Office, GraphPad Prism software, Image J.
- Languages: Arabic, and English.

## Professional experience:

- Responsible for pharmacology teaching lab in the Basic Science Department of the Dental College at University of Baghdad, under the authority of the Ministry of Higher Education and Scientific Research. Baghdad, Iraq 2007-2014.

- Teaching year three undergraduate students in the Dental College pharmacology lab.
- Supervising undergraduate, year three students' projects.
- Basic Science Department Coordinator, 2012-2013.
  - Coordinated over 10 different courses.

#### **Conferences:**

British Association for Lung Research (BALR), 2016. Poster presentation titled (A role for CFTR in regulation of human lung microvascular endothelial cell function).

#### **References:**

Professor Janis Shute, University of Portsmouth

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Dr David Laight, University of Portsmouth

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Assistant Professor Dr Ahmed Haqi Ismael, University of Kerbala

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