**Dr Quratul Ann Hussain**

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**EDUCATION:**

2006 – 2013 Queen Mary University of London, England

PhD (Oral Microbiology)

2005 – 2006 Queen Mary University of London, England

MSc Experimental Oral Pathology

1998 – 2003 Isra University Hyderabad

Bachelor of Dental Surgery (B.D.S)

**WORK EXPERIENCE:**

1. **TEACHING EXPERIENCE (4 YEARS):**

* **2007 – 2010:** Participated in undergraduate teaching here at Institute of Dentistry, Queen Mary University of London, which involved taking lectures, conducting practicals, OSCE exams, iBSc teaching, undergraduate courses run at Mile end campus of Queen Mary, and guiding postgraduate students in the Blizard laboratory.

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* **2004 – 2005**: Sr. Lecturer Oral and Maxillofacial Pathology at Margalla Dental College; Rawalpindi, Pakistan. Responsibilities included conducting lectures and practical for 1st, 2nd and 3rd year dental undergraduates in Oral Anatomy and Histology and Oral Pathology and conducting half term and final professional exams for each year in the respective subjects

1. **CLINICAL EXPERIENCE (2 YEARS)**

* **2004-2005**: Oral Medicine Outpatients at Margalla Dental College and Hospital, Rawalpindi, Pakistan. Duties included diagnosis and treatment planning.

**2003-2004:** Rotating internship as a part of undergraduate dental degree in all clinical dental subjects. It includes

* Hands on experience on intracanal restorative procedures; including caries management, plastic fillings and pinned amalgam
* Extracoronal (Crown) restorations
* Root canal treatment
* Preliminary record taking, taking cephalograms, taking orthopentanograms
* Cast analysis and outlining the treatment with the fabrication of removable appliances under the guidance of consultants.
* Participated in the consultant clinics during treatment of patients requiring fixed appliances by placing brackets and bands and standing in for emergencies in their absence.
* Partial and complete denture construction, insertion and follow up of patients.
* Reconstruction of jaws in patients with oral tumors following partial maxilloectomy and mandiblectomy by denture cum obturators.

1. **RESEARCH (4 years)**

* **2005-2006:** MSc from Queen Mary University of London

Response of oral keratinocytes to adrenomedullin and fragments of the whole molecule.

* **2006**-**2013:** PhD from Queen Mary University of London

Relationship between nitric oxide and adrenomedullin production in periodontitis.

1. **LABORATORY SKILLS**

* Tissue Culture
* ELISA
* Transfection
* Protein expression analysis by western blotting
* Immunocytochemistry
* Basic Tissue Orientation and Paraffin Embedding Technique
* [Streaking (microbiology)](http://en.wikipedia.org/wiki/Streaking_%28microbiology%29)
* microbiological culture

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**PROFESSIONAL SOCIETIES**

* British Society for Dental Research
* Oral Microbiology and Immunology group

**CONFERENCES AND MEETINGS:**

March 2007 Detection, measurement and quantification of nitric oxide.

Biopark, Hertfordshire.

April 2008 iNOS and Adrenomedullin expression by TR146 Buccal Keratinocytes in response to periodontal pathogens.

OMIG Spring Postgraduate Meeting. University of Glasgow Dental School.

September 2008 Regulation of Nitric oxide and Adrenomedullin by periodontopathic bacteria. PEF IADR Conference. Westminster. London

January 2009 Meeting of Oral Microbiology and Immunology group. (BSDR)

March 2009 NO meeting from menace to marvel- NO in health and disease.

Biopark, Hertfordshire. Welwyn garden city. Hertford shire.

June 2009 Laboratory Research Techniques in Biomedical and Life Sciences

**PUBLICATIONS:**

**Quratul Ann Hussain,**Barry E. Sheehan,Ian J. McKay,and Robert P. Allaker: Antimicrobial Activity Does Not Predict Cytokine Response to Adrenomedullin or Its Shortened Derivatives. Mediators of Inflammation. 2007

SKILLS:

Communication & Interpersonal:

* Developed good teamwork skills through working as part of a small team in University for almost six years.
* Excellent patient care skills learned through Clinical Practice and other hospital related employment.

Computer:

* Competent user of Microsoft Word, Excel, Access and Powerpoint.
* Also proficient in use of internet, e-mail and work related databases.

REFERENCES: Provided on request