UMUT GAZI, PhD

SECTION 1 - PERSONAL DETAILS		
Title: Asst. Prof. Dr.	**Forename:** Umut	**Surname:** Gazi
Email address: umut.gazi@hotmail.com, umut.gazi@neu.edu.tr	**Date of birth:** 12 April 1984	

SECTION 2 – ACADEMIC RELATED EXPERIENCE

NEAR EAST UNIVERSITY

April 2012 – Present: Lecturer at Medical Microbiology and Clinical Microbiology Department, Faculty of Medicine, **Near East University (Cyprus).**

SECTION 3 – EDUCATION

PhD in Immunology

September 2006 – December 2010: **UNIVERSITY OF NOTTINGHAM (UK).**

Research project: Mannose receptor (MR) in macrophage biology. *Funded by the Medical Research Council (UK).*

Project supervisor: Dr. Luisa Martinez-Pomares.

Project synopsis:

- Investigated the possible effect of macrophage – collagen adhesion on MR expression and function as an endocytic receptor *in vitro*.
- Set up an *in vitro* model to study the mechanism responsible for the enhanced macrophage MR shedding in response to fungi.
- Identified the fungal cell wall component and the associated macrophage receptor as well as intracellular signaling involved in the fungi-mediated MR shedding.
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Master of Research (MRes) in Biotechnology

September 2005 – September 2006: **UNIVERSITY OF KENT (UK).**

Modules studied include: Molecular biology, analytical biotechnology, and statistics.

Research project: Notch signalling and nuclear positioning in *Drosophila* eye development.

Project supervisor: Dr. Marcus Allen.

Project synopsis:

- Showed that the Notch signalling pathway has a proofreading activity in nuclei localisation within the post-mitotic photoreceptors.
- Investigated the role of dynein-dynactin retrograde motor complex in maintaining correct nuclear positions in post-mitotic photoreceptors.

BSc (Hons) in Molecular and Cellular Biology

September 2002 – July 2005: **UNIVERSITY OF KENT (UK). 68.6% (2.1) final grade.**

Modules studies include: Molecular and cellular biology, biochemistry, microbiology, organic chemistry, physiology, immunology, pharmacology, oncology, developmental biology, and neurology.

Dissertation project: Expression, purification and characterisation of *Mycobacterium Tuberculosis* proteins Rv0287 and Rv0288.

Project supervisor: Dr. Richard Williamson.

Foundation Course in Biological Sciences
September 2001 – June 2002: **UNIVERSITY OF KENT (UK). 85% (1st) final grade.**
Modules studied include: Biology, chemistry, and mathematics

School
September 1998 – June 2001: **TURK MAARIF KOLLEJI (CYPRUS). 88.2% final grade.**

SECTION 4 – PUBLICATIONS AND MEETING ABSTRACTS

PUBLICATIONS

- **Gazi U**, Rosas M, Singh S, Heinsbroek S, Haq I, Johnson S, Brown GD, Williams DL, Taylor PR, and Martinez-Pomares L. *"Fungal recognition enhances mannose receptor shedding through dectin-1 engagement"*. Journal of Biological Chemistry 2011; *286 (10)*: 7822-7829.

- **Gazi U**, and Martinez-Pomares L. "*Influence of the mannose receptor in host immune response".* Immunobiology 2009; *214 (7)*: 554-61.

MEETING ABSTRACTS

-**Gazi U,** Heinsbroek S, Taylor PR, Williams DL, Brown GD, and Martinez-Pomares L. *"Dectin-1-mediated signaling enhances mannose receptor shedding".* Poster presentation at the 2nd Congress of European Immunology in Berlin, Germany, 2009.

-**Gazi U,** Williams DL, Brown GD, and Martinez-Pomares L. *"Dectin-1-mediated signaling enhances mannose receptor shedding".* Poster presentation at the British Society of Immunology (BSI) Congress in Glasgow, UK, 2008.

SECTION 5 – RESEARCH TECHNIQUES, PERSONAL SKILLS AND COMPETENCES

RESEARCH TECHNIQUES

Expertise: RT-PCR; cell RNA and DNA extraction, isolation and quantification; cDNA synthesis; ELISA (sandwich, competitive, and indirect); cell culture (mammalian and immortalized cell lines); immunocytochemistry; light and fluorescence microscopy; western blotting of cell lysates and culture supernatants; preparation of cell lysates and protein quantification; inhibition assays; flow cytometry to screen the level of ligand internalization and antigen expression; intraperitoneal injection of mice; isolation of bone marrow and thioglycollate elicited macrophages from mouse; preparation of extracellular matrix protein-coated plastic plates.

Familiar: Gelatin zymography; *in situ* hybridization; protein purification by column chromatography; dissection of *Drosophila* larvae organs; *Drosophila* culture; fluorescence spectroscopy; circular dichroism spectroscopy; mass spectroscopy; restrictive enzyme digestion; gene cloning and bacterial transformation.

PERSONAL SKILLS AND COMPETENCES

Languages: English and Turkish (Fluent), currently attending Greek language classes.

Computer Skills: PowerPoint, Excel, Word, WinMDI, Weasel, Statistical analysis of biological data, Adobe Photoshop.

SECTION 6 –OTHER RELATED EXPERIENCE

Employer	**Position Held**	**Key Responsibilities**	**Dates - From/To**
University of Kent Biosciences Department	Teaching Assistant	Demonstrating in laboratory practical sessions	09/2005-09/2006 (Part-time)
Nalbantoglu State Hospital (Nicosia / Cyprus)	Volunteer	Blood and urine testing, syphilis, AIDS, Hepatitis and Sickle Cell Anaemia testing and the CBC test	07/2005-08/2005
Nalbantoglu State Hospital (Nicosia / Cyprus)	Volunteer	Blood and urine testing, syphilis, AIDS, Hepatitis and Sickle Cell Anaemia testing and the CBC test	07/2004-08/2004

SECTION 7 – AWARDS, GRANTS AND INTERESTS

-**Travel Grant,** British Society of Immunology to attend the 2nd Congress of European Immunology in Berlin, Germany (2009).

-**Best Poster Presentation Prize,** MOL Postgraduate Research Day at the University of Nottingham, UK (2008).

-**MRC studentship** for PhD research (2006-2009).

-**Scholarship/Bursary**, The University of Kent, UK (2002).