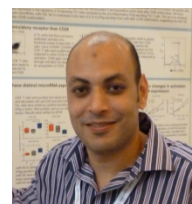


Curriculum vitae



Personal details:

- Name: Hany Ibrahim Mohamed Kenawy
- Gender: male
- D.O.B: 30/03/1978
- Place of birth: Dortmund, Germany
- Nationality: Egyptian
- Marital status: Married
- Contact details:
 - Home tel.: +20509104757
 - Mobile tel.: +201226969804
 - UK tel.: +44(0)7879350202
 - Email: hanykenawy@yahoo.com, hany.kenawy@gmail.com
 - Mail address: Department of Microbiology and Immunology,
Faculty of Pharmacy,
Mansoura University,
Mansoura, Egypt 35516.

Qualifications and Education:

- **PhD in Immunology and Microbiology (July 2010)**, Department of Infection, Immunity and Inflammation, School of Medicine and Biological Sciences, University of Leicester, Leicester, UK.
Title of my thesis: “Role of the lectin pathway of complement in *C. albicans* and *P. aeruginosa* infections”.
The award of the degree was recommended with high praises of both the external and internal examiner following *viva voce* examination.
- **MSc in Pharmaceutical Sciences (Microbiology), April 2005**, Microbiology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt.
Thesis: Studies on some enzymes produced by group A *Streptococcus pyogenes*.
- **BSc in Pharmaceutical Science, July 2000**, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (Excellent with honour).

Employment history:

- Associate Professor of Microbiology & Immunology, Microbiology & Immunology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (July 2015-till now).
- Lecturer in Microbiology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (July 2010-Jul 2015).
- Research associate in the Dept. of Infection, Immunity and Inflammation, School of Medicine, Biological Sciences and Psychology, University of Leicester, UK (13th of March 2011-30th of Sep 2014).
- Part-time employment as Course demonstrator for undergraduate students in the Department of Infection, Immunity and Inflammation, University of Leicester for three successive years during my PhD (2007-2010).
- Part-time research employment as a technician (casual employment) in the research group of Prof. Wilhelm Schwaeble during my PhD (Mar 2010-May 2010; Nov 2009-Feb 2010; June 2009- Aug 2009; May 2008-Jul 2008).
- Assistant lecturer in Microbiology Department, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (June 2005-July 2010).
- Demonstrator of Microbiology, Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (October 2000- May 2005).

Professional qualifications and skills

- **Computer:**
 - Professional use of computers either PC or Mac systems.
 - Microsoft Office, Graphpad Prism, Adobe Photoshop, and Internet.
 - Holding ICDL (Syllabus version 3), April 2006.
- **Languages:**
 - Arabic: excellent written and spoken (mother tongue).
 - English: excellent written and spoken.
- **Academic and non-academic courses attended**

- Creation and management of online courses (7-11 Feb 2016) at Senghor University (sponsored by AUF), Alexandria, Egypt.
- Examination system and student evaluation (14-15/12/2014)
- Dealing with legal and financial issues in the University (23-24/11/2014)
- Organizing scientific conferences (16-17/11/2014)

- Credit hours system (9-10/11/2014)
- Research team management (2-3/11/2014)
- Introduction to ImageJ and Fiji (14th April 2014, University of Leicester UK)
- Writing macros in ImageJ (15th April 2014, University of Leicester UK)
- Strategic planning (11-13/7/2010)
- Lecturer preparation course (March 2006)
- Teaching for large and limited numbers (7-8/10/2005)
- Effective teaching skills (31/7/2005-5/8/2005)
- Effective communication skills (24-27/7/2005)
- Time management and workloads (10-13/7/2005)
- Approaches of scientific research (5-8/6/2005)
- Thinking skills (29/5/2005-1/6/2005)

Personal capabilities

- Enthusiastic, independent, self-motivated and hard working.
- Capable of time management, and working under pressure.
- Good experience in supervising undergraduate and postgraduate students.
- Cooperative and able to work in a multidisciplinary team.
- Creative and able to design new methods or modify existing protocols.
- Excellent communication skills.

Teaching and supervision experience

- Supervising a PhD student at Mansoura University (26/3/2015-till now)
- Participated in supervision of PhD students at the University of Leicester (March 2011-Sep 2014).
- Involved in teaching and demonstrating MSc students at the University of Leicester (Fluorescence Microscopy course, 2011-2012, 2012-2013).
- Involved in teaching undergraduate and postgraduate students at Mansoura University (2010-2011, Oct 2014-up till now).
- Supervised several MSc and BSc students at the University of Leicester during my PhD (2005-2010).
- Involved in demonstrating undergraduate students at Mansoura University (2000-2005) and at the University of Leicester (2007-2010).

Experienced scientific techniques

- Working with laboratory animals, coordination of animal breeding and genotyping of either WT or transgenic mice. I hold a valid personal license for scientific procedure on living animals, including surgical procedures (2006, Home Office, UK). I'm authorized to carry out surgeries on mice including uninephrectomy and unilateral ureteral obstruction.
- ELISA based quantification techniques and functional assays (I developed several new assays for the assessment of the complement functional activities).
- Molecular biology techniques:
 - Extraction and purification of DNA and RNA
 - Northern blotting
 - Southern blotting
 - Primer design
 - Probe design
 - Genotyping and breeding of gene-targeted mouse lines
 - PCR and real time PCR
 - qPCR array

- DNA mutagenesis
- cDNA library construction
- Protein electrophoresis and Western blot analysis
- Cloning and sub cloning of different DNA inserts into different vectors for preparation of constructs
- Mammalian tissue culture techniques
- Flow cytometry
- Protein expression and purification
- Cryostat sectioning
- Immunohistochemistry
- Immunocytochemistry
- *in situ* hybridization
- Confocal microscopy
- Fluorescence microscopy
- Polyclonal and monoclonal antibody production
- Working with radioactive compounds
- Experience in handling and cultivating bacterial pathogens following Health and Safety approved procedures
- Fermentative production of pharmaceuticals in fermenters

Scientific activities

➤ Conferences attended:

- 1st African Cancer Congress- 6th International Conference of Oncology Center Mansoura University- 3rd Annual Meeting of African Breast Cancer and Woman Health Foundation 5-7 May 2016, Fairmont hotel, Egypt (active participant as a chairperson).
- 1st PharmaSchool International conference of Pharmaceutical Sciences 15-16 Feb 2016 in Faculty of Pharmacy, Mansoura University, Mansoura, Egypt (Organizer and active participant).
- East Midlands Renal Research Showcase, 10th April 2013 at Loughborough University, UK.
- XXIV International Complement Workshop held at the *Minoa Palace Conference Center in Chania, Greece* from October 10th -15th, 2012.
 - Poster presentation: CD36 is not involved in alternative pathway-mediated complement-dependent cytotoxicity on proximal tubular epithelial
 - Oral presentation: Therapeutic application of recombinant properdin confers a significant degree of protection during *Neisseria meningitidis* infection.
- Kidney Research UK Fellows Day on 12th and 13th September 2011 Royal Society of Edinburgh, Edinburgh, UK.

- The second East Midlands Research Showcase on the 18th April 2012 at Burleigh Court, Loughborough. UK.
- 13th European Meeting on Complement in Human Disease. Leiden, The Netherlands. 21st-24th August 2011.
- 12th European Meeting on Complement in Human Disease. Thermal Hotel Visegrád, Hungary (Oral presentation: The lectin pathway of the complement system has a protective role in disseminated Candidiasis). Sep. 5th- 8th, 2009.
- XXII International Complement Workshop, Basel, Switzerland, 28th September - 2nd October 2008 (Poster presentation: The deficiency of the lectin pathway functional activity in MASP-2 deficient mice has no impact on the survival from *Pseudomonas aeruginosa* infections).

➤ Publications

- Hany Ibrahim Kenawy, Ismet Boral and Alan Bevington (2015). Complement-coagulation cross-talk: a potential mediator of the physiological activation of complement by low pH. *Front. Immunol.* doi: 10.3389/fimmu.2015.00215.
- Eduardo Sosoniuk, Gerardo Vallejos, Hany Kenawy, Christine Gaboriaud, Nicole Thielens, Teizo Fujita, Wilhelm Schwaeble, Arturo Ferreira, Carolina Valck (2014). Trypanosoma cruzi calreticulin inhibits the complement lectin pathway activation by direct interaction with L-Ficolin. *Molecular Immunology.* 60(1):80-85.
- Youssif M. Ali, Azam Hayat, Bayad Mawlood, Kashif S. Haleem, Saleh Alshamrani, Hany Kenawy, Viviana P. Ferreira, Gurpanna Saggi, Anna Buchberger, Peter J. Lachmann, Robert B. Sim, Dimitrios Goundis, Peter W. Andrew, Nicholas J. Lynch, Wilhelm J. Schwaeble (2014). Low dose application of recombinant properdin provides a substantial degree of protection in mouse models of Streptococcus pneumoniae and Neisseria meningitidis infection. *PNAS.* 111(14): 5301-6.
- Ali Y. M., Kenawy H. I., Muhammad A., Sim R. B., Andrew P. A., Schwaeble W. J. (2013). Human L-ficolin, a recognition molecule of the lectin activation pathway of complement, activates complement by binding to Pneumolysin, the major toxin of Streptococcus pneumonia. *PLOS ONE.* 8 (12):e82583.

- Bidula S, Kenawy H, Ali YM, Sexton D, Schwaeble WJ, Schelenz S. (2013). Role of ficolin-A and lectin complement pathway in the innate defense against pathogenic *Aspergillus* species. *Infect Immun.* 81(5):1730-40.
- Hassan R., Abol-Enein H., Elsayy E., El-Sokary M. M., Kenawy H. and Ezz El Arab W. (2013): BACTERIURIA AND ANTIBIOTICS RESISTANCE IN ILEAL NEOBLADDERS: PREVALENC AND CLINICAL SIGNIFICANCE. *N. Egypt. J. Microbiol.*36.
- Kenawy H. I., Ali Y. M., Rajakumar K., Lynch N. J., Kadioglu A., Stover C. M., Schwaeble W. J. (2012): Absence of the lectin activation pathway of complement does not increase susceptibility to *Pseudomonas aeruginosa* infections. *Immunobiology.* 217(2):272-80.
- Sequencing of porcine MASP-2 cDNA (Gene Bank database, accession number of FJ949566).
- El-Sokkary, M. A., Kheira, S. M. and Kenawy H. I., 2004. Studies on streptokinase obtained from clinical isolates of *Streptococcus pyogenes*. *Mansoura Journal of Pharmaceutical sciences*, 20(2), 20-35.

➤ **Membership in Scientific societies**

- A member of the International Complement Society.
- A member of the European Complement Society.

Personal statement and research interests:

During my PhD study in Prof. Wilhelm Schwaeble's laboratory and my Post Doc in Prof. Nigel Brunskill laboratory, I've developed excellent research skills and learned a brought variety of valuable and "cutting edge" techniques. I have earned myself the reputation of a hardworking, independent, competent, reliable, creative and most trust-worthy academic co-worker. I have shown the capabilities in addressing and resolving research associated challenges in the day-to-day running of a very research active laboratory. I have also supervised undergraduate and post-graduate students in the Department in parallel to my research projects.

I am highly interested to continue exploring the role of complement and complement-associated disorders in various models of human disease with the aim to explore new avenues for prophylactic and/or therapeutic applications to limit human morbidity and mortality.