

# Dr. Faiza Abdu

## Personal Information

<b>Nationality</b>	Saudi
<b>Address</b>	P.O.Box 42699 Jeddah 21551
<b>Status</b>	Married
<b>Languages</b>	Arabic – English
<b>E-mail</b>	<a href="mailto:faiza.b.abdu@gmail.com">faiza.b.abdu@gmail.com</a> or <a href="mailto:fabdu@kau.edu.sa">fabdu@kau.edu.sa</a>
<b>Website</b>	<a href="http://www.kau.edu.sa/fabdu">www.kau.edu.sa/fabdu</a> .
<b>Phone</b>	+966 2 6952000 Ext. 52007
<b>Fax</b>	+966 2 6400000 Ext. 53367
<b>Cellular</b>	+966 555550468

## Education

- Department of Biomedical science, **University of Sheffield**, UK and Glaxowellcome Institute of Applied Pharmacology, **University of Cambridge**, UK (PhD).
- Department of Biology, **King Abdulaziz University**, Jeddah, Saudi Arabia (MSc).
- Department of Biology, **King Abdulaziz University**, Jeddah, Saudi Arabia (BSc).

## Professional Experience

- **Vice Dean of Faculty of Sciences, April, 2012- now.**
- **In charge of General Vice supervisor of the Educational Graduate Programs, March, 2012.**
- **Vice Dean of Graduate Studies, 2009-2012.**
- **Assistant Professor, Dept. of Bioscience, King Abdulaziz University, Jeddah.**
- **Associate Professor, Dept. of Bioscience, King Abdulaziz University, Jeddah.**
- **Collaborative professor, Dept. of Nursing and Sociology, Dar Alhekma College.**
- **Lecturer, Dept. of Bioscience, King Abdulaziz University, Jeddah.**
- **Teaching assistant, Dept. of Bioscience, King Abdulaziz University, Jeddah.**

## Research Profile

My experimental approach is **neurophysiology** which provides direct information in the neural basis of autonomic mechanism controlling brain and gastrointestinal motility.

## **Professional Activities**

- Collaborative professor, Dept. of Nursing and Sociology, for 1 year in Dar Alhekma College.
- Supervisor of Neuroscience unit in King Fahad medical research center (KFMRC).
- MSc and Ph.D degree supervision.
- Member of Deanship of Scientific Research Council.
- Examiner for some of the master thesis's in King Saud University.
- Member of Admission and Registration committee.
- Member of the Board of Graduate's Deanship.
- Member of Scholarship and training Committee.
- Member of the graduate programs development Committee.
- Member of the Executive graduate programs admission and registration Committee.
- Member of Academic production Committee.
- Member of the Consultation Committee.
- Member of the group work rehabilitation of the Graduate Deanship to achieve ISO quality management system requirements.
- The Chairperson of the Consultation Committee of postgraduate students.

- Member of the admission procedures manual Production Committee.
- Member of Recruiting Lecturer Committee in the Biology Department.
- Chairperson of the fourth project team in the sixth program of King Abdulaziz University Strategic Plan II (upgrading the postgraduates research studies).
- Member of the Executive Committee of the Student Activities.
- Member of the Deans Advisory Committee.
- Member of the Students Disciplinary Committee.
- Member of the admission and registration Permanent Committee.
- Member of the Rehabilitative Year Executive Committee.
- Member of the Preparatory Year Executive Committee.
- Member of the Female students' campus Advisory Committee.
- Member of the Computer Skills Unit Supervisory Committee.
- Rapporteur of the first session in the twenty-seventh meeting of the Saudi Society for Life Science (Science Biochemistry & Pharmaceutical Sciences, Jazan University, 2012).

## **Professional Membership**

### ***International***

- American Society of Neurogastroenterology and Motility, **2006- 2013.**
- European Society of Neurogastroenterology and Motility, **200٦-20١٣.**
- Asian Neurogastroenterology and Motility Association, **2009-2010.**
- British Society of Physiology, **2001-2009.**

### ***Territorial***

- Member of the Board of Directors of Saudi Microscopes Society, **2011-2013.**
- Saudi Biological Society, **2003-2013.**
- Scientific Signs of Qur'an & Sunnah, **2008-2013.**
- The Arab Biologists Society, **2008-2009.**
- The Egyptian German Society of Zoology, **2008-2009.**
- Member of the Board of Directors of Saudi Biotechnology Society, **2008-2009.**

## **Research Achievements**

### *Awards'*

#### *Prize awarded for best abstract*

Characterization of somatostatin receptor mediated inhibition of small intestinal peristalsis in the rat and mouse (2003). *Saudi Biological Society*.

### *Sponsored scientific research*

1. Impact of Inflammation on Peristaltic Activity.
2. Effect of Food Poisoning by Aflatoxin B1 on Intestinal Motility. Therapeutic Developments using Different Synthetic Ligands.
3. Effect of Cholic Acid on Colonic Motility in Mice (Physiological studies).
4. Effect of Cholic Acid on Colonic Motility in Mice (Histological studies).

## Scientific Presentations

### *International*

- FIRST International Brain Research Organization Conference, **Al-ain, UAE, 2011.**
- The delegation of the higher education Minister, "educational and scientific cooperation agreement between the two countries", **Argentina, 2010.**
- The seventh Conference of higher education, **Cuba, 2010.**
- International Conference on Innovation in Biotechnology, **Cairo, Egypt, 2010.**
- NGM (Neurogastroenterology and Motility) Meeting, **Boston, USA, 2010.**
- Digestive disease week, **San diego, USA, 2008.**
- The 21st International Symposium on Neurogastroenterology and Motility, **Jeju Island, Korea, 2007.**
- 14th Arab Biologists International Conference of the United Arab Biologists Society, **Suez Canal University, Egypt, 2007.**
- American Gastroenterological Association, **Los Angels, USA, 2006.**
- American Gastroenterological Association, **Chicago, USA, 2005.**
- American Gastroenterological Association, **Atlanta Georgia, USA, 2001.**
- American Gastroenterological Association, **San Diego USA, 2000.**
- Poster's innovation, **Leeds, UK, 2000.**
- Research Competition, **Sheffield, UK, 1999.**
- International Falk Symposium on Gastrointestinal, **Tübingen, Germany, 2000.**

## *National*

- Fifth Scientific Meeting of Science Collage, **King Abdulaziz University, Jeddah, KSA, 2008.**
- Conference for students in higher education, **Mecca, KSA, 2013.**
- Fourth Conference for students in higher education, **AlKhubar, KSA, 2012.**
- International Exhibition and Conference on Higher Education, **Riyadh, KSA, 2011.**
- Second conference of planning and developing the education and scientific research in Arab countries, **King Fahad University, Dahrhan, KSA, 2008.**
- Nanotechnology Conference, **Jeddah, KSA, 2008.**
- Third Scientific Meeting of Girls Collage, **Jeddah, KSA, 2008.**
- Special Education Meeting, **Jeddah, KSA, 2007.**
- An Introduction to the Center of Excellence in Genomic Medicine Research (CEGMR), **King Abdulaziz University, Jeddah, KSA, 2007.**
- Special needs, **King Abdulaziz University, Jeddah, KSA, 2007.**
- The International Saudi Symposium of Pediatric Hematology / Oncology, **King Abdulaziz University, Jeddah, KSA, 2005.**
- Scientific research meeting in King Abdulaziz City for Science and Technology, **Riyadh, KSA, 2004.**
- The Second Saudi Science Conference, **Jeddah, KSA, 2003.**
- Biological Society Meeting, **Qaseem, KSA, 2003.**
- Fist International Tourism Meeting, the Hilton Hotel, **Jeddah, KSA, 2003.**

## Courses and Work Shop

### *International*

- Creative thinking, problem solving and decision making class, **Pittsburgh, USA, 2009.**
- Teaching Communication skills, **Virginia Tech, USA, 2005.**
- Methods of teaching English as a foreign language, **Virginia Tech, USA, 2005.**
- Animals (Scientific Procedures) Act, 19<sup>^</sup>6 Universities Training Group, **Sheffield, UK, 2000.**
- Presentation Skills, **Sheffield, UK, 2000.**
- Computer Science Applications, **Sheffield, UK, 1998.**

### *National*

- Effective motivational leadership, **Jeddah, KSA, 2013.**
- Effective strategic leadership, **Jeddah, KSA, 2013.**
- Effective personal leadership, **Jeddah, KSA, 2013.**
- Effective personal productivity, **Jeddah, KSA, 2013.**
- The third Workshop in Strategic Planning Implementation, King Abdul Aziz University, **Jeddah, KSA, 2011.**
- Regulatory and administrative structure of the female section branches, **Park Hyatt, Jeddah, KSA, 2011.**
- Organizer of (Scientific Authoring in cooperation) workshop with KACST, Springer and Edanz Editing, **Jeddah, KSA, 2011.**
- Academic leadership workshop for women in higher education, **Jeddah, KSA, 2010.**

- "General diploma experience in education at King Abdul Aziz University with the United Nations in the field of academic Accreditation" workshop, **Jeddah, KSA, 2010.**
- Excellence in graduate studies (problems and solutions) work shop, King Saud University, **Riyadh, KSA, 2010.**
- Application, monitoring, evaluation and updating workshop of the strategic plan of the deanship graduate studies, **Jeddah, KSA, 2009.**
- Fifth academic production meeting, King Abdulaziz University, **Jeddah, KSA, 2009.**
- Strategic planning for scientific research, **Jeddah, KSA, 2009.**
- The Academic Creative thinking, King Abdul Aziz University, **Jeddah, KSA, 2009.**
- Improving your skills in debate, King Abdulaziz University, **Jeddah, KSA, 2009.**
- Personal excellence in communication, **Jeddah, KSA, 2008.**
- Biotechnology (planning and strategy), Taiba University, **Madina , KSA, 2008.**
- Research management in the modern university, King Fahd University, **Dahran, KSA, 2008.**
- Nanotechnology towards future horizon, King Abdulaziz University, **Jeddah, KSA, 2008.**
- Center of Excellence for Environmental Workshop, King Abdulaziz University, **Jeddah, KSA, 2008.**
- Communication skills Work shop, King Abdulaziz University, **Jeddah, KSA, 2008.**
- Program management manual and the training of trainers, King Abdulaziz University, **Jeddah, KSA, 2007.**
- Communication skills between faculties, King Abdulaziz University, **Jeddah, KSA, 2007.**

- When you are not lecturing: using activities in the classroom, King Abdulaziz University, **Jeddah, KSA, 2006.**
- Learning to lead, King Abdulaziz University, **Jeddah, KSA, 2006.**
- The reality of graduate studies and scholar ships in Saudi Universities and Colleges, Marriot hotel, **Jeddah, KSA, 2006.**
- Dialogue with others, King Abdulaziz University, **Jeddah, KSA, 2006.**
- How to create a lecture on the Internet, King Abdulaziz University, **Jeddah, KSA, 2006.**
- How to plan and design your course, King Abdulaziz University, **Jeddah, KSA, 2006.**
- Workshop How to Write Research Grant Proposal, King Faisal Specialist Hospital & Research Centre, **Jeddah, KSA, 2005.**
- Thinking map, King Abdulaziz University, **Jeddah, KSA, 2004.**
- Methods of tests evaluation, King Abdulaziz University, **Jeddah, KSA, 2004.**
- Electronic information resources, **Jeddah, KSA, 2003.**
- The development of effective learning and quality education, King Abdulaziz University, **Jeddah, KSA, 1995.**
- Learning skills, King Abdulaziz University, **Jeddah, KSA, 1994.**
- Effective interaction in the classroom, King Abdulaziz University, **Jeddah, KSA, 1993.**

## **Social Activities**

1. Member of Center of Excellence in Environmental Studies (my environment is my responsibility).
2. Member of International association of new Muslim.
3. Professional trainer in King Abdul Aziz National Communication Center.

4. Chair person of career services committee, King Abdul Aziz University.

## **Publications**

- 1) Faiza Abdu, Gareth A. Hicks, Jeremy P. Allen and David Grundy  
Characterization of *Somatostatin* Receptor Mediated Inhibition of Small Intestinal Peristalsis in the Rat and Mouse (2000). *Gastroenterology*, Vol. 134(4), pp. A-544 (Abstract).
  
- 2) Faiza Abdu, Gareth A. Hicks and David Grundy  
Multiple Mechanisms Contribute to the Inhibitory Action of *Somatostatin* on Intestinal Peristalsis in the Mouse (2001). *Gastroenterology*, Vol. 120(5), pp. A180 (Abstract).
  
- 3) Faiza Abdu, Gareth A. Hicks, Grant Hennig, Jeremy P. Allen and David Grundy  
*Somatostatin sst<sub>2</sub>* Receptors Inhibit Peristalsis in the Rat and Mouse Jejunum (2002). *American Journal of Physiology - Gastrointestinal and Liver Physiology*, Vol. 282, pp. G624-G633.
  
- 4) Faiza Abdu  
Characterization of *Somatostatin* Receptor Mediated Inhibition of Small Intestinal Peristalsis in the Rat and Mouse (2003). *Saudi Biological Society*, (Abstract).
  
- 5) Faiza Abdu and David Grundy  
Impact of Inflammation on Peristaltic Activity (2005). *Gastroenterology*, Vol. 128, pp. 76 (Abstract).
  
- 6) Faiza Abdu, Osama Tayeb and David Grundy

Temporal and Regional Differences in the Gastrointestinal Motor Response to Infection with *Schistosoma Mansoni* (2006). *Gastroenterology*, Vol. 130, pp. 381(Abstract).

7) Faiza Abdu

Effect of Chronic Inflammation on Intestinal Peristalsis (2006). *Journal of Egyptian German Society of Zoology*.

8) Faiza Abdu

Effect of Intestinal *Schistosomiasis* on Motor Function in the Mouse Jejunum and Colon (2007). *Journal of Union of Arab Biologists*, Vol. 27A, pp. 245-264.

9) Faiza Abdu, Osama Abu-Zinadah, Osama Tayeb and David Grundy

Effects of Somatostatin and Prostanoids (PGE<sub>2</sub>) on Jejunal Contractile Activity in *Schistosomiasis* Infected Mice (2007). *Neurogastroenterology and Motility*, page 150 (Abstract).

10) Faiza Abdu and Asma Al-Muhammadi

Prostaglandin E Receptor EP2 subtype Contributes to Dysmotility in *Schistosoma mansoni* Infected Mice (2007). *The Egyptian Society of Toxicology Journal*, Vol. 36, pp. 89-100.

11) Faiza Abdu

Anti-inflammatory Effects of Somatostatin, *Ferula narthex* and *Cymbopogon schoenanthus* Extracts on Intestinal Peristaltic Reflex in *Schistosomiasis* Infected Mouse (2007). *Egyptian Journal of Zoology*, Vol. 48, pp. 387-401.

12) Faiza Abdu

Neuronal Activation and Plasticity in *Schistosoma Mansoni* Infected Mice (2012). *Saudi Journal of Biological Sciences*, Vol. 19, pp. 495-501.

**13)** Faiza Abdu and Abeer Alahmari

Anti-Inflammatory Effect of Melittin on Mice Jejunum (2013). *Global Advanced Research Journal of Environmental Science and Toxicology*, Vol. 2(3), pp. 68-76.

**14)** Faiza Abdu, Tarek Rahmy, Abeer Alahmari and Osama Abu-Zinadah

Physiological and Histological studies on the Effect of Melittin on Mice Jejunum (2013). *Biosciences Biotechnology Research Asia*, Vol. 10(1), pp. 111-118.

**15)** Faiza Abdu, Osama Abu-Zinadah, Tarek Rahmy and Mohamed Alaa Omran

Subacute Treatment with Aflatoxin B1 Induces Motility, Histological and Ultrastructure Alterations of Mice Colon (2013). *Egyptian Journal of Natural Toxins*, Vol. 10 (1, 2), pp. 1-32.

**16)** Tarek Rahmy, Abeer Alahmari, Faiza Abdu and Osama Abu-Zinadah

Protective Effect of Melittin against Gastric Inflammation in Mice (2013). *Life Science Journal*, Vol. 10(2), pp. 1369- 1384.

**17)** Faiza Abdu, Asma Almuhammadi, Jehan Alamri, Mohamed Alaa Omran and Mohammed Hassan Badawoud

Effect of Cholic Acid on Colonic Motility in Mice (2013). *African Journal of Pharmacy and Pharmacology*, Vol. 7(26), pp. 1825-1833.

**18)** Faiza Abdu

Effect of *Moringa Oleifera* Extract on Nicotine Induced Neurotoxicity in Female Rat and their Embryos (2013). *Global Veterinaria*, Vol. 11(2), pp.131-138.

- 19) Faiza Abdu and Asma Almuhammadi  
Inhibitory Effect of Sildenafil (Viagra®) on Duodenal Motor Activity in Mice (2013).  
*Life Science Journal*, Vol. 10(3), pp. 1428-1435.
- 20) Wagdy K. B. Khalil and Faiza Abdu  
Effects of *Salvia Officinalis* Extract and its Nano-Encapsulated Form on Methylmercury Induced Neurotoxic-Stress in Male Rats (2013). *World Applied Science Journal*, Vol. 24(7), pp. 826-837.
- 21) Osama A.H Abu Zinadah, Wagdy K. B. Khalil, Hassan M. El Ashmaoui, Faiza Abdu and Mohamed E. Abou Alsoud  
Evaluation of the Anti-Genotoxicity and Growth Performance Impacts of Green Algae on *Mugil cephalus* (2013). *Life Science Journal*, Vol. 10(3), pp. 1543-1554.
- 22) Faiza Abdu  
Impact of *Physalis Angulata* on Methotrexate-Induced Neurotoxicity (2013). *Biosciences Biotechnology Research Asia*, Vol. 10(2), pp. 613-620.
- 23) Wagdy K. B. Khalil and Faiza Abdu  
Protective Effect of Melatonin against Zonisamide-Induced Reproductive Disorders in Male Rats (2013). *Archives of Medical Science*, pp. 1-10.
- 24) Osama Abu-Zinadah, Tarek Rahmy, Abeer Alahmari and Faiza Abdu  
Effect of Melittin on Mice Stomach (2014). *Saudi Journal of Biological Sciences*, Vol. 21(1), pp. 99-108.
- 25) Tarek Rahmy, Faiza Abdu, Osama Abu-Zinadah and Abeer Alahmari  
Effect of Melittin in Treatment of Jejunum Inflammation (Submitted 2013). *Research Journal of Environmental Toxicology*.

## **Referees**

- **Professor Abdullah Yousif Obaid**

Dean of Faculty of Science

Department of Chemistry, Faculty of Sciences

King Abdulaziz University, Jeddah, KSA

Phone: +966 2 695 2000 Ext. 52031

Email: [aobaid@kau.edu.sa](mailto:aobaid@kau.edu.sa)

- **Dr. Hana Abdullah Al- Nuaim**

Dean of Women's Campuses

King Abdulaziz University, Jeddah, KSA

Phone: +966 2 6952057

Email: [dean-womensection@kau.edu.sa](mailto:dean-womensection@kau.edu.sa)

- **Professor Osama A. Abu-Zinadah**

Chairperson of Biology Department

Department of Biological Sciences, Faculty of Sciences

King Abdulaziz University, Jeddah, KSA

Phone: +966 2 695 2000 Ext. 52290

Email: [oaboznada@kau.edu.sa](mailto:oaboznada@kau.edu.sa)