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Shady Naguib Allam; Ph.D.,
Associate Professor of Pharmacology and Toxicology



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Education:

Ph.D. (Dr. rer. nat): Pharmacology, Institute for Human biology, Technische Universität München (TUM), Munich, Germany (2014).

Master: Pharmaceutical science, Pharmacology, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt. (2009).

Bachelor: Pharmacy and Pharmaceutical science, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt.

Thesis:

PhD dissertation: Actions of the phytopharmakon Iberogast[®] in different regions of the gut

Master dissertation: Molecular and cellular effects of some Retinoids on Etoposide-induced mutagenicity in cultured human lymphocytes

Career:

06/2021 – till date: Associate Professor of Pharmacology and toxicology, Menoufia University, Menoufia, Egypt

02/2016 – 06/2021: Lecturer of Pharmacology and toxicology, Kafrelsheikh University (KSU), Kafrelsheikh, Egypt

08/2018 – 11/2018: Post-doctoral fellowship at Physiology department, Faculty of Veterinary medicine, Hannover, Germany

01/2015 - 02/2016: Lecturer of Pharmacology and toxicology, Egyptian Russian University (ERU), Cairo, Egypt

10/2010 - 12/2014: PhD Student, Institute for Human biology, Technische Universität München (TUM), Munich, Germany

10/2009 - 09/2010: Assistant lecturer of Pharmacology and toxicology, Egyptian Russian University, Cairo, Egypt

09/2004 - 09/2009: Master student, Faculty of Pharmacy, Al-Azhar University, Cairo, Egypt.

12/2003 - 08/2004: Product specialist, Atos Pharma, Cairo, Egypt

06/2002 - 11/2003: Medical affairs administration, Menoufia, Egypt

06/2001 - 05/2002: Pharmacist at Allam Pharmacy, Menoufia, Egypt

Skills:

General skills in research project management and data analysis. Specific expertise and interested in:

Research Interests:

- Evaluation of new drug targets to treat functional gut diseases
- Regulation of mucosal functions in the gut (Ussing chamber technique)
- Regulation of muscle functions in the gut (Isometric tension transducer technique)
- Tissue culture techniques
- Evaluation of clastogenicity and mutagenicity (Cytogenetics: Karyotyping and sister chromatid exchange)
- Evaluation of Chemotherapeutic agents
- Assessments of drug toxicities

Teaching skills:

- Maintained teaching loads of undergraduate courses, ERU and KFS, Egypt
- Regularly supervise and teach practical sessions for Master students, TUM, Germany
Supervised Bachelor theses of two final year students, TUM, Germany
- Have lead several seminars for undergraduates and postgraduate students

Teaching experience:

Maintained teaching loads of undergraduate courses at the Department of Pharmacology and Toxicology, Faculty of Pharmacy, Kafrelsheikh University, Egypt:

I. Undergraduates courses

- Biostatistics (for 1st year, B.Sc. of pharmaceutical science)
- Biophysics (1st level clinical pharmacy program)
- Medical terminology (2nd level clinical pharmacy program)
- Pharmacology I (3rd level clinical pharmacy program)
- Pharmacology II (3rd level clinical pharmacy program)
- Pharmacology I (3rd year, B.sc. of pharmaceutical science program, 2012 bylaw)
- Pharmacology II (3rd year, B.sc. of pharmaceutical science program, 2012 bylaw)
- Pharmacology I (3rd year, B.sc. of pharmaceutical science program, 2016 bylaw)
- Pharmacology II (3rd year, B.sc. of pharmaceutical science program, 2016 bylaw)
- Toxicology (3rd year, B.sc. of pharmaceutical science program, 2012 bylaw)
- Screening and biological standardization (4th year, B.sc. of pharmaceutical science program, 2012 bylaw)
- Therapeutics (5th level clinical pharmacy program)
- Basic pharmacology (2nd year Pharm D program)
- Clinical pharmacology (5th level clinical pharmacy program)

II. Postgraduate courses

- Biostatistics
- Advanced Pharmacology
- Advanced applied and environmental toxicology
- Seminars
- Molecular pharmacology
- Teratogenic agents and Teratogenicity

Academic experience

- Vice-director of Quality Assurance Unit, faculty of pharmacy, Kafrelsheikh University (2018-2019)
- Responsible for quality management file
- Participant in preparing programs and courses specifications for undergraduate programs
- Participant in preparing programs and courses specifications for postgraduate programs
- Participant in preparing the self-study for faculty of pharmacy - Kafrelsheikh University
- Acting as internal reviewer for undergraduates programs
- Participant in clearing committee at faculty of pharmacy - Kafrelsheikh University
Preparing the accreditation files of faculty of pharmacy - Kafrelsheikh University submitted for NAQAA January 2018
- Preparing the accreditation files of faculty of pharmacy - Kafrelsheikh University submitted for NAQAA September 2020

Time management:

- It was planned to complete my PhD within 3 years and this I did successfully
- Met without fail, the many deadlines in my teaching and supervisory duties
- Have an extensive experience of juggling different tasks and bringing these to a successful conclusion

Computing Skills:

Applications: Microsoft Office Suite, statistical package, Internet Explorer

Other skills:

- Knowledge of research methodologies
- Statistical software: experience with Sigma plot and Igor
- Data and information collection
- Excellent oral and written communication skills
- Full current clean driving licenses (Egyptian and German)
- Reasonable understanding of written German

Publications/Conferences publications:

Original manuscript:

1. Krueger D, Michel K, **Allam S**, Weiser T, Demir IE, Ceyhan GO, Zeller F, Schemann M. **Effects of hyoscine butylbromide (Buscopan®) on cholinergic pathways in the human intestine.** Neurogastroenterol Motil 2013, 25 (8), 530-9
2. **Allam S**, Krueger D, Kelber O, Demir IE, Ceyhan GO, Zeller F, Schemann M. **Extracts from peppermint, lemon balm and in particular angelica mimic the pro-secretory action of Iberogast® (STW 5) in the human intestine.** Phytomedicine 2014
3. Nady ME, Mansour AM, Hafez EE, Omran G, Hamed GM, Harraz SE, **Allam S** and Ahmed AA. **Chicory abrogates oxidative stress, inflammation and caspase-dependent apoptosis in acute hepatic injury model induced by acetaminophen in rats.** International journal of phytomedicine 2016, 8:13-21
4. Abdel-Hamid NM, Abdullah AH, zakaria S, **Allam S**. **Underlying biochemical explanation for ibuprofen-induced alopecia through study on zinc and iron kinesis in treated rats.** SYLWAN., 2018 (162) 11
5. Mahmoud MA Elsayed, Mahmoud E Mostafa, Eman Alaaeldin, Hatem AA Sarhan, Montaser ShA Shaykoon, **Shady Allam**, Ahmed RH Ahmed, Bakheet EM Elsadek. **Design And Characterisation Of Novel Sorafenib-Loaded Carbon Nanotubes With Distinct Tumour-Suppressive Activity In Hepatocellular Carcinoma.** International Journal of Nanomedicine 2019:14 8445–8467
6. Mahmoud Mohamed Mokhtar, Emad Gamil Khidr, Hesham Mohamed Shaban, **Shady Allam**, Bakheet E. M. Elsadek, Salama Abdou Salama, Shawkey Saddik Ali. **The effect of aryl hydrocarbon receptor ligands on gentamicin-induced nephrotoxicity in rats.** Environ Sci Pollut Res (2020) 27:16189–16202
7. Elsayed G.E. Elsakka, Ahmad Mohamed Elsis, Osama Abd Al-Motal Mansour, Bakheet E.M. Elsadek, Adel I. Abd Elaziz, Salama Abdou Salama, **Shady Allam**. **Androgen/androgen receptor affects gentamicin-induced nephrotoxicity through regulation of megalin expression.** Life Sci. 251 (2020) 117628
8. Mohamed Abdel-Mohsen Elzayat, Asmaa M. A. Bayoumi, Mohamed Sadek Abdel-Bakky, Ahmed M. Mansour, Marwa Kamel, Ali Abo-Saif, **Shady Allam**, Abeer Salama, Salama A. Salama. **Ameliorative effect of 2-methoxyestradiol on radiation-induced lung injury.** Life Sci. 2020 May 1:117743.

9. M. S. Abdel-Bakky, G. K. Helal, E. M. El-Sayed, A. H. Alhowail, A. M. Mansour, K. S. Alharbi, Elham Amin, **S. Allam**, S. A. Salama, A. S. Saad. **Silencing of tissue factor by antisense deoxyoligonucleotide mitigates thioacetamide-induced liver injury.** Naunyn-Schmiedeberg's Archives of Pharmacology (2020) 393:1887–1898.
10. Hassan Afify, Amira M. Abo-Youssef, Hanaa M. Abdel-Rahmana, **Shady Allam**, Amany A. Azouz. **The modulatory effects of Cinnamaldehyde on uric acid level and IL-6/JAK1/STAT3 signaling as a promising therapeutic strategy against benign prostatic hyperplasia.** Toxicology and Applied Pharmacology (2020) 402:115122.
11. Amira M. Abo-Youssef, Hassan Afify, Amany A. Azouz, Hanaa M. Abdel-Rahman, Ashraf B. Abdel-Naimd, **Shady Allam**. **Febuxostat attenuates testosterone-induced benign prostatic hyperplasia in rats via inhibiting JAK/STAT axis.** Life Sci. 260 (2020) 118414.
12. Noha M. Saeed, Ahmed M. Mansour, **Shady Allam**. **Lycopene induces insulin signaling and alleviates fibrosis in experimental model of non-alcoholic fatty liver disease in rats.** PharmaNutrition 14 (2020) 100225.
13. Nageh A. EL-Mahdy, **Shady Allam**, Sara F. El Sayaad. **Inflammatory mediator modulation by Short- and Long-Acting β 2 Agonists in Induced Bronchial Asthma in Rats.** IJCBR Article 4, Volume 5, Issue 2, (2021) Page 39-48.

Published abstracts:

- **Allam S**, Krueger D, Kelber O, Demir IE, Ceyhan GO, Zeller F, Schemann M. Identification of pro-secretory components in STW 5, a fixed herbal combination medicine to treat functional gut disorders. Gastroenterology 2012, 142(5), Supplement 1, 821
- **Allam S**, Krueger D, Kelber O, Demir IE, Ceyhan GO, Zeller F, Schemann M. Effects of the herbal drug STW 5 and its individual components on human intestinal motility Gastroenterology 2014, 146(5), Supplement 1, S-82
- **Allam S**, Krueger D, Kelber O, Demir IE, Ceyhan GO, Zeller F, Schemann M. Region-specific effects of the herbal medicine STW 5 (Iberogast®) and its individual extracts on human intestinal motility United European Gastroenterol J 2014

Conferences, Presentations and Courses Attended:

Oral presentations:

- Identification of pro-secretory components in STW 5, a fixed herbal combination medicine to treat functional gut disorders. German Society for Neurogastroenterology and motility (DGNM), Freising, Germany. (February, 2012)
- Effects of the herbal drug STW 5 and its individual components on human intestinal motility. Digestive Diseases Week (DDW2014), Chicago, USA. (May, 2012)
- Mechanism of STW 5-induced relaxation in Guinea pig proximal stomach. German Society for Neurogastroenterology and motility (DGNM), Freising, Germany. (March, 2013)

Poster presentations:

- Pro-secretory action of individual extracts of STW 5 in human intestine. Austrian and German pharmaceutical society ÖPhG-DPhG joint meeting, Innsbruck, Austria. (September, 2011)
- Identification of pro-secretory components in STW 5, a fixed herbal combination medicine to treat functional gut disorders, Digestive Diseases Week (DDW2012), San Diego, CA, USA. (May, 2012)
- Secretory action of individual extracts of the herbal medicine STW 5 in human intestine. Joint International Neurogastroenterology and Motility meeting (NGM2012), Bologna, Italy. (September, 2012)
- Mechanism of prosecretory action of individual extracts of the herbal medicine STW 5 in human intestine. Phytokongress2013, Leipzig, Germany. (March, 2013)
- Region-specific effects of the herbal medicine STW 5 (Iberogast®) and its individual extracts on human intestinal motility. UEGW2014, Vienna, Austria, (October, 2014)
- Mode of action of the herbal medicine STW 5 to evoke gastric relaxation. Digestive Diseases Week (DDW2015), Washington DC, USA. (May, 2015).

Attended conferences:

- First Egyptian Science Week, Faculty of Pharmacy, Kafrelsheikh University, Egypt, 2016, invited speaker
- Second Egyptian Science Week, Faculty of Pharmacy, Kafrelsheikh University, Egypt, 2017, invited speaker

Attended training courses/Workshops:

- Sales and marketing certificate (SMC), American University in Cairo, Egypt (1999 - 2001)
- Glaxo Smith Kline (GSK), Q.C. Department, Summer, 2001
- Workshop entiteled "Integrative Organ System Pharmacology (IOSP)" by Prof.Dr. David Bylund, Nebraska University, held in faculty of medicine, Cairo University, (2008)
- Presenting papers and posters at conferences, Graduate school, TUM, Germany (April, 2012)
- Scientific paper writing, Graduate school, TUM, Germany (July, 2012)
Job application course, Graduate school, TUM, Germany (December, 2013)
- Weekly held scientific seminars, Graduate school, TUM, Germany (2010 – 2014)
- Real time PCR, Kafrelsheikh University (2016)
- Course and program description course (5-6/03/2016)
- Technology Innovation Commercialization Office (TICO), Kafrelsheikh University (2018)
- Electronic exams, Kafrelsheikh University (2017)
- Academic standards, Kafrelsheikh University (2017)
- Specifications of the exam paper, Kafrelsheikh University (2018)
- Personal evaluation, Kafrelsheikh University (2018)
- Teaching and learning strategies, Kafrelsheikh University (2019)
- Self-study preparation, Kafrelsheikh University (2019)
- Programs and course specifications, Kafrelsheikh University (2019)
- Targeted educational outcomes, Kafrelsheikh University (2019)
- Scientific research ethics, Kafrelsheikh University (2020)

FLDC courses:

- International Scientific Publishing Course, HRM international center, Kafrelsheikh University (7/2018)
- Preparing Competitive Research Projects Course, HRM international center, Kafrelsheikh University (11/2019)
- Thinking Skills Course, FLDC, Menoufia University (5/2020)
- Electronic Examinations, FLDC, Menoufia University (5/2020)

- Research group management, HRM international center, Kafrelsheikh University (5/2020)
- Career ethics, HRM international center, Kafrelsheikh University (6/2020)
- Qualifications for Dean's position (8/2021)

Selected memberships:

- Member of European Society of Neurogastroenterology and Motility (ESNM)
- Member of German Society of Neurogastroenterology and Motility (DGNM)
- Member of American Gastroenterological Association (AGA)

Additional personal information:

Date of Birth: 22nd April, 1977

Place of Birth: Menoufia, Egypt

Nationality: Egyptian

Marital status: Married (three daughters)