

CURRICULUM VITAE

Name and Address

<i>Surname</i>	Awwad
<i>Name</i>	Oriana
<i>Date of Birth</i>	December 27 th , 1984
<i>Place of Birth</i>	Pisa (PI), Italy
<i>Nationality</i>	Jordanian
	Italian
<i>E-mail</i>	o.awwad@ju.edu.jo
<i>Tel.</i>	+962 796 71 72 80

Work Experience

2011 to present	University of Jordan, Jordan - Free lecturer
2013 to present	Member of the Bioequivalence (BE) committee - JFDA

Education

<i>University Degree</i>	<ul style="list-style-type: none">- B.Sc degree in Pharmacy, University of Jordan, Amman, Jordan (July, 2007)- Passed the University Qualification Exam
<i>Postgraduate education</i>	<ul style="list-style-type: none">- PhD in “Drug Science and Bioactive Substances”, University of Pisa, Pisa, Italy

(January, 2008 - March, 2011)

- *Thesis title:* Pharmacological modulation of the adenosine system as a novel strategy for the treatment of inflammatory bowel diseases.

Supervisors: Prof. Corrado Blandizzi; Prof. Federico Da Settimo

Study Grants

Fellowship for Gastrointestinal Pharmacology issued by the Interdepartmental Center for Research in Clinical Pharmacology and Experimental Therapeutics, University of Pisa, (April, 2010 – March, 2011); (April, 2011 – June, 2011)

Main Fields of Scientific Research and Clinical Training

- 1) Role of adenosine system in the pathophysiology of inflammatory bowel diseases
- 2) Involvement of adenosine receptors in neuromuscular gut dysfunctions associated with intestinal inflammation
- 3) Effects of proton pump inhibitors and non-steroidal anti-inflammatory drugs on gastric mucosa protection and ulcer healing
- 4) Internal Medicine Clinical Instructor (mainly Respiratory, Cardiology and Nephrology) at the University of Jordan Hospital (for PharmD students)
- 5)

Skills

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

- **Computer skills.** Extensive experiences in Word; Power Point; Excel; Graph Pad Prism; ChemDraw
- **Statistics with SPSS.**
- **Time management.** It is highly important to complete the many tasks required in my work and to meet the many deadlines of my presentations and supervisory duties. I have extensive experience of juggling different tasks and bringing these to a successful conclusion.
- Highly organized and methodical member of a productive team.
- Research experiences and technical skills in different laboratory tools as well as experimental animals
- Data and information collection
- Writing and presenting reports
- Full current clean driving license

Languages

- Arabic: fluent
- Italian: fluent
- English: almost fluent (Toefl certification)

Full Papers

1) Antonioli L, Fornai M, Colucci, R, Ghisu N, Tuccori M, Awwad O, Bin A, Zoppellaro C, Castagliuolo I, Gaion RM, Giron MC, Blandizzi C.

Control of enteric neuromuscular functions by A₃ purinergic receptors in the normal rat distal colon and experimental bowel inflammation. *Br J Pharmacol* 2010; 161:856-871

- 2)** Antonioli L, Fornai M, Colucci R, Awwad O, Ghisu N, Tuccori M, Da Settimo F, La Motta C, Natale G, Duranti E, Viridis A, Blandizzi C.

The blockade of adenosine deaminase ameliorates chronic experimental colitis through the recruitment of adenosine A_{2A} and A₃ receptors. *J Pharmacol Exp Ther* 2010; 335: 434-442

- 3)** Antonioli L, Fornai M, Colucci R, Awwad O, Ghisu N, Tuccori M, Del Tacca M, Blandizzi C.

Differential recruitment of high affinity A1 and A2A adenosine receptors in the control of colonic neuromuscular function in experimental colitis. *Eur J Pharmacol.* 2011; 650: 639-649

- 4)** Fornai M., Colucci R., Antonioli L., Awwad O., Ugolini C., Tuccori M., Fulceri F., Natale G., Basolo F., Blandizzi C.

Effects of esomeprazole on healing of nonsteroidal anti-inflammatory drug (NSAID)-induced gastric ulcers in the presence of a continued NSAID treatment: characterization of molecular mechanisms. *Pharmacol Res.* 2011, 63: 59-67

- 5)** Antonioli L, Colucci R, La Motta C, Tuccori M, Awwad O, Da Settimo F, Blandizzi C, Fornai M.

Adenosine deaminase in the modulation of immune system and its potential as a novel target for treatment of inflammatory disorders. *Curr Drug Targets.* 2012 Jun;13(6):842-62. Review.

- 6)** Colucci R, Antonioli L, Bernardini N, Ippolito C, Segnani C, Awwad O, Tuccori M, Blandizzi C, Scarpignato C, Fornai M.

NSAID Activated Gene (NAG-1) plays a role in the impairing effects of cyclooxygenase inhibitors on gastric ulcer healing. *J Pharmacol Exp Ther.* 2012 Jul;342(1):140-9.

7) Antonioli L, Fornai M, Awwad O, Giustarini G, Pellegrini C, Tuccori M, Caputi V, Qesari M, Castagliuolo I, Brun P, Giron MC, Scarpignato C, Blandizzi C, Colucci R.

Role of the A2B receptor-adenosine deaminase complex in colonic dysmotility associated with bowel inflammation in rat. *Br J Pharmacol*. 2014 Mar;171(5):1314-29.

8) Awwad O, Akour A, Al-Muhaissen S, Morisky D.

The influence of patients' knowledge on adherence to their chronic medications: a cross-sectional study in Jordan. *Int J Clin Pharm*. 2015 Feb 24. [Epub ahead of print]

Abstracts, Posters and Presentations

1) Awwad O., Taliani S., Simorini F., La Motta C., Salerno S., Marini A.M., Da Settimo Passetti F., Cosimelli B., Greco G., Novellino E., Da Pozzo E., Martini C. Substituted 2-Arylindolglyoxylamides as potent translocator protein (18 kDa) TSPO ligands: synthesis and biological evaluation. *Nuove prospettive in chimica farmaceutica*, Castelvechio Pascoli (LU), February, 12-14, 2009 – III Meeting-workshop, pp 166-166 (Poster)

2) Fornai M, Antonioli L, Colucci R, Ghisu N, Da Settimo F, La Motta C, Awwad O, Natale G, Duranti E, Del Tacca M, Blandizzi C. Mechanisms underlying the anti-inflammatory effects of adenosine deaminase inhibitors in experimental colitis XXXIV Congresso Nazionale della Società Italiana di Farmacologia, Rimini, 14-17 Ottobre 2009

3) Antonioli L, Fornai M, Colucci R, Ghisu N, Awwad O, Tuccori M, Natale G, Fulceri F, Rugani I, Duranti E, Viridis A, Del Tacca M, Blandizzi C. AMP-activated protein kinase as a novel target for the pharmacological treatment of inflammatory bowel diseases. *Digestive Disease Week 2010 – New Orleans (LA., U.S.A.) May, 1-5 Gastroenterology 138 Suppl 1#1077*

- 4) Fornai M, Colucci R, Antonioli L, Awwad O, Natale G, Ghisu N, Ugolini C, Tuccori M, Basolo F, Del Tacca M, Blandizzi C. Effects of proton pump inhibitors on healing of NSAID-induced gastric ulcerations in the presence of a continued NSAID treatment: characterization of molecular mechanisms. Digestive Disease Week 2010 – New Orleans (LA., U.S.A.) May, 1-5 Gastroenterology 138 Suppl 1 W1720
- 5) Awwad O. AMP-activated protein kinase as a novel target for the pharmacological treatment of inflammatory bowel diseases. European School of Medicinal Chemistry. Urbino, 4-9 July 2010. (Presentation)
- 6) Awwad O. Pharmacological modulation of AMP-activated protein kinase as a novel strategy for the treatment of inflammatory bowel diseases. XIV Seminario Nazionale per Dottorandi in Farmacologia e Scienze Affini. Siena, Certosa di Pontignano, 20-23 September 2010 (Presentation)
- 7) Antonioli L., Fornai M., Colucci R., Awwad O., Tuccori M., Maramai C., Natale G., Fulceri F., Rugani I., Duranti E., Viridis A., Blandizzi C. Pharmacological modulation of AMP-activated protein kinase as a novel target for the treatment of inflammatory bowel diseases. XXXV Congresso Nazionale della Società Italiana di Farmacologia, Bologna, 14-17 September 2011
- 8) Antonioli L., Fornai M., Colucci R., Awwad O., Tuccori M., Bin A., Gaion R.M., Castagliuolo I., Giron M.C., Blandizzi C. Control of enteric neuromuscular functions by adenosine receptors under normal conditions and in the presence of bowel inflammation. XXXV Congresso Nazionale della Società Italiana di Farmacologia, Bologna, 14-17 September 2011
- 9) L. Antonioli, M. Fornai, R. Colucci, O. Awwad, G. Giustarini, M. Tuccori, I. Castagliuolo, R.M. Gaion, M.C. Giron, C. Scarpignato, C. Blandizzi Altered adenosine signalling in the presence of bowel inflammation: role of A_{2B}

receptors in the control of colonic motility. *Digestive Disease Week 2012* – San Diego (CA., U.S.A.) May, 19-22 *Gastroenterology*, CONTROL ID: 1293314
Awwad O., Antonioli L., Fornai M., Colucci R., Blandizzi C. Pharmacological modulation of AMPK as a novel strategy for the treatment of inflammatory bowel diseases. The 15th scientific congress of the association of colleges in the arab world and the 3rd international conference of the faculty of pharmacy. Recent Trends and Advances in Pharmacy/the University of Jordan, Amman, October 9-11, 2012

- 10)** Awwad O. Adenosine Deaminase in the Modulation of Immune System and its Potential as a Novel Target for Treatment of Inflammatory Disorders. The 5th International Jordanian Congress of Allergy and Immunology, Amman - Jordan May 28-30, 2014

Dr. Oriana Awwad