

# Yazan Alrashdan

**Nationality:** Jordanian/Australian

**Work address:** University of Jordan, School of Pharmacy, Department of Biopharmaceutics & Clinical Pharmacy, Amman, Jordan

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## Tertiary Education

1995 — 2000

University of Jordan, Faculty of Pharmacy

Amman, Jordan

**BSc. in Pharmacy**

2003 — 2004

University of New South Wales, School

of Biotechnology and Biomolecular Sciences, Sydney, Australia

**MSc. in Biopharmaceutics**

- Research project title: Bisintercalating DNA threading agents: The intercalation of biphenyl-linked-9-aminoacredine-4-carboxiamide dimers with covalently closed circular DNA.

Supervisor: Dr. Laurence Wakelin

2005 — 2009  
Australia

University of Sydney, Faculty of Pharmacy, Sydney,

**PhD in Pharmacy (Clinical Pharmacology)**

- Research title: Airway Smooth Muscle Derived Chemokines in asthma.

Supervisors: Dr. Margaret Hughes & Prof. Carol Armour

## Awards/Scholarships

2006, Aug — 2007, Feb

**Faculty of Pharmacy PhD Scholarship (FPPS)**

2007, Jan — 2009, Jan

**CRC for Asthma and Airways Scholarship**

2007, Feb — 2008, Apr

**Asthma foundation Biomedical and Medical Postgraduate Research Scholarship**

2008, May — 2008, Dec

**Faculty of Pharmacy PhD Scholarship (FPPS)**

## Appointments

2009 — 2013      Assistance Professor      University of Jordan, Faculty of Pharmacy,  
Department of Biopharmaceutics and Clinical Pharmacy, Amman, Jordan

- Pharmacology
- Pharmacotherapy
- Pathophysiology
- Over the Counter (OTC)
- Clinical Year Clerkship

2011 — 2012      Assistant dean for training affairs

2013 — 2016      Assistant Professor      Batterjee Medical College, School of  
Pharmacy, Department of Clinical Pharmacy, Jeddah, Saudi Arabia

- Pharmacology
- Pharmacotherapy
- Pathophysiology
- Clinical Year Clerkship

2016 — 2024      Assistant Professor      Amman Arab University, Faculty of Pharmacy,  
Department of Pharmaceutical Sciences, Amman, Jordan

- Pharmacology
- Pharmacotherapy
- Pathophysiology
- Physiology
- OTC

2024 — current      Assistance Professor      University of Jordan, School of  
Pharmacy, Department of Biopharmaceutics and Clinical Pharmacy, Amman, Jordan

- Pharmacotherapy
- Pathophysiology
- Clinical Year Clerkship

Dec, 2017 — Aug, 2018      Head of the Department of Pharmacy      Amman Arab  
University, Faculty of Pharmacy, Amman, Jordan

Sep, 2018 — Sep, 2020      Dean, Faculty of Pharmacy      Amman Arab University,  
Amman, Jordan

Sep, 2020 — 2024      Head of the Department of Pharmacy      Amman Arab  
University, Faculty of Pharmacy, Amman, Jordan

## **Publications**

**See attached document**

## **Relevant Research Expertise**

- Human lung collection, airway dissection and smooth muscle isolation and culture.
- Isolating airway epithelium and fibroblasts.
- Cytokine ELISA assays, transfection (siRNA) assays, Real Time RT-PCR assays and Western blotting.
- Data collection and statistical analysis.
- Literature data base searching.
- Laboratory management.

## **Languages**

- English - Fluent
- Arabic - Fluent

## **Computer Applications**

- Microsoft Word.
- Microsoft Excel.
- Microsoft PowerPoint.
- Agar diffusion assay statistical software.
- Statview®.
- Photoshop elements.
- Image J. for Western blotting analysis.

## **Skills & Interests**

- Excellent communications skills, both written and verbal.
- Able to take responsibilities and work competently under pressure.
- Self motivated and results oriented yet avidly keen to learn more.
- Great leadership skills and a team player.
- Enjoy playing basketball, swimming, gymnastics and reading.

## **References**

Available upon request.

## CONFERENCE ABSTRACTS & MANUSCRIPTS:

1. **Alrashdan Y**, Ammit AJ, Hennes S, Alkhouri H, Ge Q, Armour CL and Hughes JM. CXCR3 ligand mRNA stability in airway smooth muscle from asthmatics. American Journal of Respiratory and Critical Care Medicine, Volume 175, Abstracts Issue, April 2007; pA240.  
Journal impact factor: 9.091
2. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL, Hughes JM: Ca<sup>2+</sup> and airway smooth muscle CXCR3 ligand production in asthma (oral presentation). Proceedings of the 6<sup>th</sup> International Young Investigators' Symposium on Smooth Muscle (6-9 Nov, 2007), Sydney, Australia.
3. Hughes JM, Alkhouri H, Chen E, **Alrashdan Y**, Ge Q, Armour CL, Hennes S, Ammit AJ: Asthmatic and non-asthmatic airway smooth muscle production of the mast cell chemotaxin CXCL10 involves MAPK. European Respiratory Journal, 2006; 28: Suppl. 50, 4925  
Journal impact factor: 5.349
4. Alkhouri H, Hollins F, Moir LM, **Alrashdan Y**, Armour CL, Brightling CE, Hughes JM: Proliferation in airway smooth muscle from asthmatics is inhibited by mast cells. American Journal of Respiratory and Critical Care Medicine, Volume 175, Abstracts Issue, April 2007; pA267  
Journal impact factor: 9.091
5. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL, Hughes JM: Ca<sup>2+</sup> and CXCR3 ligand production by asthmatic airway smooth muscle (oral presentation). Asian Pacific Society of Respiratory (30 Nov-4 Dec, 2007), Gold Coast, Australia. Respiratory, Volume 12, Supplement 4, November 2007; pA121 (O-5-10).  
Journal impact factor: 1.518
6. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL, Hughes JM: Ca<sup>2+</sup> involvement in CXCL10 and CXCL11 production by asthmatic airway smooth muscle. American Journal of Respiratory and Critical Care Medicine, Volume 177, Abstracts Issue, April 2008; pA929.  
Journal impact factor: 9.091
7. Alkhouri H, Hollins F, Moir LM, **Alrashdan Y**, Armour CL, Brightling CE, Hughes JM: Proliferation in airway smooth muscle from asthmatics is inhibited by mast cells. American Journal of Respiratory and Critical Care Medicine, Volume 177, Abstracts Issue, April 2008; pA30.  
Journal impact factor: 9.091

8. Jose F. Perez-Zoghbi\*, Charlotta Karner\*, Satoru Ito\*, Malcolm Shepherd\*, **Yazan Alrashdan\*** and Michael J. Sanderson. Ion channel regulation of intracellular calcium and smooth muscle function (\*Authors contributed equally to this review). *Pulmonary Pharmacology and Therapeutics*. 2009 October; 22(5): 388-397.  
Journal impact factor: 2.119
9. **Alrashdan Y.**, Ammit AJ., Henness S., Alkhouri H., Ge Q., Armour CL., Hughes JM. Airway smooth muscle IP-10 (CXCL10) mRNA stability in asthma. Proceedings of the Australian Health and Medical Research Congress 2006, Melbourne, VIC; ISSN 1447-6010 p350. ABS #1063.
10. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL and Hughes JM: Signalling in airway smooth muscle CXCL10 production in asthma. Proceedings of the ASMR medical research week. NSW branch conference, Sydney, June 2008
11. Alkhouri H, Moir LM, **Alrashdan Y**, Armour CL, Hughes JM. Mast cell mediators alter airway smooth muscle cell chemokine and matrix production in asthma. Proceedings of the ASMR medical research week. NSW branch conference, Sydney, June 2008
12. Alkhouri H, Hollins F, Moir LM, **Alrashdan Y**, Armour CL, Brightling CE, Hughes JM: Mast cell products attenuate proliferation of airway smooth muscle cells from asthmatic subjects. *Respirology*, 2007; 12:A33.  
Journal impact factor: 1.518
13. Hughes JM, Alkhouri H, Chen E, **Alrashdan Y**, Ge Q, Armour CL, Henness S, Ammit AJ: MAPK involvement in CXCL10 production by asthmatic and non-asthmatic airway smooth muscle. *Respirology*, 2006; 11:A24.  
Journal impact factor: 1.518
14. Alkhouri H, Hollins F, Moir LM, **Alrashdan Y**, Armour CL, Brightling CE, Hughes JM: Human lung mast cell modulate chemokine production by airway smooth muscle cells of donors with asthma. (Nov, 2007). Proceedings of the Australian Society for Medical Research, 46<sup>th</sup> National Scientific Conference. ISSN 00672130.
15. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL and Hughes JM: Ca<sup>2+</sup> and airway smooth muscle IP10 and ITAC production in asthma. Australian Asthma Conference (20-21 Oct, 2008), Sydney.
16. **Alrashdan Y**, Ammit AJ, Henness S, Ge Q, Armour CL, Hughes JM: mRNA stability: Is it the key factor leading to high IP-10 production by asthmatic airway smooth muscle cells? Proceedings of the Health Faculties of the University of Sydney Fifth Research Conference 2006, 'From Cell to Society 5'. Leura, NSW.

17. **Alrashdan Y**, Alkhouri H, Ge Q, Armour CL, Hughes JM: Transcriptional factor involvement in airway smooth muscle IP-10 production in asthma. Proceeding of the Health Faculties of the University of Sydney Sixth Research Conference 2008, 'From Cell to Society 6'. Leura, NSW.
  
18. Tan X., **Alrashdan Y.**, Alkhouri H., Yaputra V., Armour C.L., Oliver B.G., Hughes J.M. Th1-cytokine induced STAT1 and JNK phosphorylation is altered in airway smooth muscle cells from people with asthma. American Journal of Respiratory and Critical Care Medicine, Volume 183, Abstracts Issue, May 2011; A3609.  
Journal impact factor: 9.091
  
19. **Alrashdan Y**, Alkhouri H, Chen E, Lalor JD, Poniris M, Henness S, Brightling CE, Burgess JK, Ammit AJ, Armour CL, Hughes JM. Asthmatic airway smooth muscle CXCL10 production: mitogen-activated protein kinase JNK involvement. American Journal of Physiology-Lung Cellular and Molecular Physiology. May 15, 2012, Volume 302:(10) L1118-L1127.  
Journal impact factor: 3.66
  
20. Tan X.\*, **Alrashdan Y.\***, Alkhouri H., Oliver B.G., Armour C.L., Hughes J.M. Airway smooth muscle CXCR3 ligand production: regulation by JAK-STAT1 and intracellular calcium. American Journal of Physiology-Lung Cellular and Molecular Physiology. June 1, 2013, Volume 304:(11) L790-L802. (\* These authors contributed equally to the current work).  
Journal impact factor: 3.66
  
21. Salah M AbuRuz; **Yazan Alrashdan**; Deema Jaber; Anan Jarab; Izzat A Alawwa. Evaluation of the impact of pharmaceutical care service on hospitalized patients with chronic kidney disease in Jordan. International Journal of Clinical Pharmacy. July 25, 2013; Volume 35(5): 780-789.  
Journal impact factor: 1.265
  
22. Mohammad B. Metwally, DimaF. Khater, Eyad S. M. Abu-Nameh, **Yazan AlRashdan**, Ali M. Qaisi and Maher Salim. Simultaneous Determination of Indapamide, Amlodipine Besylate and Perindopril Arginine Combined in Tablet Dosage Form Using High Performance Liquid Chromatography. Jordan Journal of Pharmaceutical Science. Jordan Journal of Pharmaceutical Sciences. May 17, 2020; Volume 13(4): 425-434.  
Journal Impact Factor: 0.593
  
23. Ala' Y. Sirhan, **Yazan AlRashdan**, Ahmad Mostafa, Ahmad Talhouni, Yousef Al-Ebini. Optimization and validation of an HPLC-UV method for the determination of Vardenafil, Sildenafil, and Tadalafil in honey-mixed herbal sachets using a design of experiment. Jordan Journal of Pharmaceutical Sciences. 2023, Volume 16(1), pp. 148-162.

24. Ala' Y. Sirhan, **Yazan AlRashdan**, Manal Najdawi, Loay Hassouneh, Ahmad Talhouni, Amjad Abuirmeileh, Qais Jarrar, Rami Ayoub, Lukman Abdulra'uf. Quantification of Ochratoxin A in 90 spice and herb samples using the ELISA method. Journal of Medicine and Life. December 2023. Volume 16(9), pp. 1393-1399.
25. **AlRashdan, Y.**, Al-Jaff, K., Najdawi, M., Sirhan, A. Occult hepatitis B in blood donation centers. Journal of Medicine and Life. April 2023. Volume 16(4), pp. 571-578.
26. Ahmed Maslat, Nadia Al-Atoom, Manal Al-Najdawi, Loay Khaled Hassouneh, Ahmed Mashaal, **Yazan Alrashdan**, Naser Hamad Al-Rawashdeh, Mohammed Elhamrawy. Drug Misuse and Self-Medication among Pharmacy Students in Jordan. Polski Merkuriusz Lekarski. 2023. Volume 51(5), pp. 464-474.
27. Ala' Sirhan, **Yazan AlRashdan**, Yousef Al-Ebini, Loay Hassouneh, Tamara Ghrear, Lukman Bola Abdulra'uf. Comparative Analysis of Histamine in Fresh and Processed Fish Sold in Jordanian Market. Jordan Journal of Pharmaceutical Sciences. January 2024. Volume 17(1), pp. 123-130.
28. **AlRashdan, Y.**, Sirhan, A., Khlaifat, D., Al-Jaff, K. clinical significance of serum IL-15 and IL-17 in relation to Rheumatoid Arthritis' severity and activity. International Immunopharmacology Journal [Accepted; October, 2024].
29. Ala' Sirhan, **Yazan AlRashdan**, Yousef Al-Ebini, Ahmad Talhouni, Zead Abudayeh, Ahmad Mostafa, Rawan Fataftah. Development of a HPLC-UV method for four PDE5 inhibitors determination in honey-mixed herbal sachet. European Journal of Pharmaceutical Sciences [Accepted; October, 2024].
30. Nik Danial Asyraf Nik Mustaffa, Chai Min Hian, **Yazan Al-Rashdan**, Khalid Mahmood Al-Jaff, Noor Syaheera Ibrahim. Molecular detection of *corynebacterium pseudotuberculosis* in small ruminants with clinical caseous lymphadenitis in unisza pasir akar farm. Malaysian Journal of Applied Sciences. [Submitted August, 2024].
31. Nik Danial Asyraf Nik Mustaffa, Chai Min Hian, **Yazan Al-Rashdan**, Khalid Mahmood Al-Jaff, Noor Syaheera Ibrahim. Comprehensive Review on Prevalence of Caseous Lymphadenitis (CLA) in Dairy Goats. [Submitted August, 2024].
32. Samaa Abdullah, **Yazan AlRashdan**. Dissolution and lung cancer cells sensitivity of Crosslinked Furan-Based Polymethyl Methacrylate enhancement using Carrageenan Kappa coating. [Submitted October, 2024].