

AMAL AKOUR

EDUCATION

Virginia Commonwealth University (August 2008-
December 2012)
Richmond, VA

PhD in Pharmacotherapy

Pharmacotherapy and Outcomes Science. PhD
Program In Clinical therapeutics. Focus: Transport of
drugs across placenta, specifically Aminoglycosides
transport.

The University of Jordan,(September 2002- May
2007)

B.A. Pharmacy

LABORATORY SKILLS AND SKILLS

Virginia Commonwealth University (August 2009-
October 2012)
Richmond, VA

Graduate student

- Adept in western blotting and Immuno-
fluorescence techniques.
- Adept in Trizol® RNA isolation from tissues
and cell lines and quantitative polymerase
chain reactions (qPCR).
- Adept in performing uptake studies in cell
lines and the subsequent analysis via
radiolabeled substrates.
- Good experience in collecting human
placental samples from pregnant subjects.
- Moderate experience in analyzing data in
Prism®, JMP® 8.0.2 and JMP® 9.0.2 and
Scientist®.

EXPERIENCE

ASSISTANT PROFESSOR, THE UNIVERSITY OF JORDAN

January 2013-Recent

-Teaching pharmacotherapy and over-the counter
medications for senior pharmacy and Pharm.D.

Students.

-Supervising Oncology Clerkship for Pharm.D.

Students

TEACHING ASSISTANT, VIRGINIA COMMONWEALTH UNIVERSITY

August 2011-December 2011

Lecture: Allergic drug reactions: “emphasis on antibiotics”

Teaching P3 students concepts in allergic drug reactions as opposed to adverse drug reactions

TEACHING ASSISTANT, THE UNIVERSITY OF JORDAN

July 2008-July 2009

- Handled pharmacology and therapeutics lab sections, explained related theory, composed and administered exams and graded all students’ work.
- Handled workshops in pharmacokinetics, explained related theory, composed and administered exams and graded all students’ work.

ORGANIZATIONAL MEMBERSHIP/COMMITTEES

JFDA, AMMAN, JORDAN

Member of the Post marketing committee (February 2013-recent)

AMERICAN COLLEGE OF CLINICAL PHARMACY, MARYLAND, USA

Member (August 2011-August 2012)

AMERICAN SOCIETY OF CLINICAL PHARMACOLOGY AND THERAPETUICS, DC, USA

Member (August 2009-December 2012)

JORDAN PHARMACEUTICAL ASSOCIATION, AMMAN, JORDAN

Member (2007-recent)

AWARDS AND HONORS

-Virginia Commonwealth University, Richmond, VA (August 2012):

Dr. Yanchich’s Award for distinction in research and scholarship

-Virginia Commonwealth University, Richmond, VA (August 2011):

Certificate in “Preparation of Future Faculty” awarded after completing a 4-session workshop and an internship of teaching for P3 students in the same University.

-Faculty of Pharmacy, University of Jordan, Amman, Jordan (2008-

2012):

Full scholarship that includes living expense and tuition to pursue PhD in the US.

-Jordanian National Ranking, Jordan (2007):

Ranked second in the Pharmacy Qualification Exam amongst all Jordanian pharmacy students who graduated in June 2007.

-University of Jordan, Amman, Jordan (2002-2007):

Full Bachelor Degree Scholarship.

ORAL PRESENTATIONS

- Patient Counseling on Complimentary Weight Loss Products (September 2014)-**Jordanian Women health forum at Jordan Pharmacist Association-Amman-Jordan**
- The Transfer of Aminoglycosides via Human Placenta (April 2014)-**The 15th Jordanian Pharmacy Convention-Amman-Jordan**
- Allergic Drug Reactions :Update on Antibiotic-Mediated Allergy (May 2014)-**The 5th international conference of allergy and immunology-Amman-Jordan**

Virginia Commonwealth University, Richmond, VA:

- Assessment of Megalin Expression in Human Placental Models (Feb 2012).
- The Role of Megalin in the Transplacental Transport of Aminoglycosides (April 2011)
- Intrapartum Aminoglycosides and Neonatal Nephrotoxicity (April 2010)
- The Effect of Contemporary Oral Contraceptive Pills on Carbohydrate Metabolism in Women with Metabolic Risk Anomalies: Review of literature. (Feb 2009)

POSTER PRESENTATIONS

American Society of Clinical Pharmacology and Therapeutics (ASCPT) Meeting, Dallas, Texas (March 2011):

Evidence that megalin-mediated endocytosis is involved in the placental uptake of Aminoglycosides.

Virginia Commonwealth University, Richmond, VA (April 2010):

Research and Career Day: Transplacental Transport of Aminoglycosides Across human trophoblasts.

Virginia Commonwealth University, Richmond, Virginia (November 2011):

Graduate Research Symposium: Characterization of Megalin Expression in Human Term and Preterm Placenta.

Virginia Commonwealth University, Richmond, VA Public Health Research Forum (August 2009):

The Effect of Moderate Physical Activity on the Prevalence of Self-reported Depression (BRFSS dataset).

COURSES

**Over-the-counter Medications
Spring-Summer 2014**

**Seminar in Biopharmaceutics and Clinical Pharmacy
Summer-Fall 2013**

**Pharmacotherapy (II)
Spring 2014**

Research project in and Clinical Pharmacy

**Pharmacotherapy (I) Fall
2013**

**Pharmacology (1) Fall
2013**

**Oncology clerkship Spring
and Fall 2013**

PUBLICATIONS

-Elayeh E, Akour A, Bashiti E, Yousef A, Hamli M. Osteoporosis amongst Jordanian patients: Effect of pharmacist-directed brochure education on people knowledge. Tropical Journal of Pharmaceutical Sciences. 2014; 13(12):2101-2108.

-Akour A, Gerck PM and Kennedy MJ. Megalin expression in human term and preterm placental villous tissues: Effect of gestational age and sample processing and storage time. Journal of Pharmacological and Toxicological Methods. 2014. [Epub ahead of print].

-Akour A, Kennedy MJ, Gerk PM. Receptor-Mediated Endocytosis across Human Placenta: Emphasis on Megalin. *Molecular pharmaceutics*. 2013; 1; 10(4):1269-78

-Akour A, Kennedy MJ, Gerk PM, Lansberg A. Evidence That Megalin-Mediated Endocytosis is Involved in the Placental Transport of Aminoglycosides. *Nature Publishing Group*. 2011; 89(1): S63-S64.

-Awwad O, Akour A and Al-Muhaisen S. The Influence of Patients' Knowledge on Adherence to their Chronic Medications: A Cross-sectional Study in Jordan. *International Journal of Clinical Pharmacy*. [Accepted December 2014].

-Akour A, Gerk PM and Kennedy MJ, "The Role of Megalin in Aminoglycoside Transport Across the Human Placenta. *American Association of Pharmaceutical Sciences Journal*. [Accepted December 2014].

- Bardaweel S., *Akour A.* and Kilani M. Current knowledge, attitude, and patterns of oral contraceptives utilization among women in Jordan. [Submitted to BMC February 2014].

FUNDED RESEARCH

Scientific Research Support Fund-Amman-Jordan (June 2014): The Effect of Vitamin D₃ on Urinary Markers of Diabetic Nephropathy (as PI)

Deanship of Academic research @UJ, (July 2013): the Effect of Vitamin D₃ on Urinary Markers of Diabetic Nephropathy (as PI)

Deanship of Academic research @UJ, July 2013: Patients' Knowledge and Adherence to Medications of Chronic Diseases in Jordanians (as Co-PI)

OTHER ACTIVITIES

-Attending a workshop for staff development at UJ (August 2013)

-Attending a workshop about the use of oral contraceptives in Jordanian Community-organized by JPA (April 2013)

-Attending a workshop about grading system at UJ (Jan 2013)

-Workshop in principles of SPSS®

-Miscellaneous student activities

- Formal visits to other Cooperating Universities

REFERENCES

PROFESSOR NAILYA BULATOVA

Professor

The University of Jordan, Amman, Jordan

DR. MARY JAYNE KENNEDY

Associate Professor

Virginia Commonwealth University, Richmond, VA

DR. PHILLIP GERK

Associate Professor

Virginia Commonwealth University, Richmond, VA