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Amal Akour

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| **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®.
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| **Experience** |  | Assistant professor, The university of jordanJanuary 2013-RecentTeaching Assistant, Virginia commonwealth universityAugust 2011-December 2011Lecture: 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 jordanJuly 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.
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| **Organizational membership/committees** |  | JFDA, Amman, JordanMember of the Post marketing committee (February 2013-recent)American college of Clinical Pharmacy, Maryland, USAMember (August 2011-August 2012)American Society of Clinical Pharmacology and therapetuics, DC, USAMember (August 2009-December 2012)Jordan Pharmaceutical Association, Amman, JordanMember (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. |
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| **Oral presentations** |  | **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 Nephrotixicity (April 2010)
* The Effect of Contemporary Oral Contraceptive Pills on Carbohydrate Metabolism in Women with Metabolic Risk Anomalies: Review of literature. (Feb 2009)
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| **Poster presentations** |  | **Amercian 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). |
| **Publications** |  | **-Akour et al. Evidence That Megalin-Mediated Endocytosis is Involved in the Placental Transport of Aminoglycosides.** *Nature Publishing Group*. (2011): 89(1): S63-S64.**-Akour *et al. Receptor-Mediated Endocytosis across Human Placenta: Emphasis on Megalin. Molecular pharmaceutics. 2013, Apr 1;10(4):1269-78*** |
| **References** |  | Dr. Mary JAyne KinnedyAssociate ProfessorVCU, Richmond VADr. Phillip GerkAssociate ProfessorVCU, Richmond VA |