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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®. |
| **Experience** |  | Assistant professor, The university of jordan January 2013-Recent 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. |
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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) |
| **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 Kinnedy Associate Professor  VCU, Richmond VA Dr. Phillip Gerk Associate Professor  VCU, Richmond VA |