

MOHAMMAD I SALEH

OBJECTIVE

A position that allows me to use my skills in the fields of pharmacokinetics and pharmacodynamics modeling and simulation

WORK EXPERIENCE

Feb, 2012-Now The University of Jordan Amman, Jordan
Assistant professor in the department of Biopharmaceutics and Clinical Pharmacy at the college of Pharmacy

Dec, 2006-Jan, 2012 The University of Iowa Iowa, IA
Team member in Dr Veng-Pedersen lab/ College of Pharmacy

- Development of population PD model for erythropoietin in both preterm human infants and lambs using Monolix
- Study of Mechanisms governing erythropoiesis. Focused on erythropoietin receptor mRNA and erythropoietin clearance changes under stress conditions.
- Developing fortran code for estimating red blood cells size changes under anemic conditions by modeling flowcytometry output using mixture distribution
- Developing fortran code for optimizing SYSMEX-XT flowcytometer setting to analyze sheep reticulocyte counts

Oct, 2005- Oct, 2006 The University of Jordan Amman, Jordan
Teaching assistant

Jul, 2004-Aug, 2005 DAD® pharmaceutical company Amman, Jordan
Team member in research and development department

- Developing generic pharmaceutical products

EDUCATION

2007-2012 University of Iowa Iowa city, IA
PhD in Pharmacy

- Cumulative GPA of 4.0

1999-2004 University of Jordan Amman, Jordan
Bsc in Pharmacy

- Cumulative GPA of 3.92 with honor degree (rank = 1st)

RELEVANT GRADUATE COURSES TAKEN

- Pharmacokinetics and pharmacodynamics
- Advanced Pharmacokinetics and pharmacodynamics
- Clinical Pharmacokinetics
- Applied generalized regression
- Bayesian statistics
- Computer intensive statistics
- Introduction to programming languages using C++
- Mathematical statistics (1+2)
- Biostatistics
- Numerical calculations

PROGRAMMING SKILLS

- Monolix
- NONMEM
- R/S-plus
- FORTRAN
- MATLAB
- SAS
- WINBUGS

PUBLICATIONS

Mohammad Saleh, John Widness, and Peter Veng-Pedersen. **Pharmacodynamic analysis of stress erythropoiesis: change in erythropoietin receptor pool size following double phlebotomies in sheep.** Biopharm Drug Dispos, 2011.

Andrew Osei-Bimpong, Mohammad Saleh, Martha Sola-Visner, John Widness, and Peter Veng-Pedersen. **Correction for Effect of Cold Storage on Immature Platelet Fraction.** J Clin Lab Anal. Nov 2010;24(6):431-433

Demet Nalbant, Mohammad Saleh, Frederic Goldman, John Widness, and Peter Veng-Pedersen. **Evidence of receptor-mediated elimination of erythropoietin by analysis of Epo receptor mRNA expression in bone marrow and erythropoietin clearance during anemia.** J Pharmacol Exp Ther. May 2010;333(2):528-532.

REFERENCES

- Peter Veng-Pedersen, PH.D., Professor

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- Nidal Al-Huniti, PH.D.

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- Baiteng Zhao, PH.D.

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