

Curriculum Vitae



Name: Yazun B. Jarrar
Nationality: Jordanian
Date of birth: 28/5/1985
Specialization Fields: Molecular pharmacology

Academic Record

1- Doctorate degree: 09/2010-02/2015

Pharmacology
Faculty of Medicine
Inje University, South Korea
Grade: 4.3 out of 4.5 (Excellent)

Thesis Title:

"Genetic Polymorphisms of Cytochrome P450s and UDP-Glucuronosyltransferases Involved in Arahidonic acid Metabolism"

2- Master degree: 09/2007 - 07/2009

Pharmacology
Faculty of Medicine
University of Jordan, Jordan
Grade: 4 out of 4 (Excellent)

Thesis Title:

"N- acetyltransferase 2 (NAT2) Genotypes Frequency Among Unrelated Jordanian Volunteers"

3- B.Sc. Degree: 09/2002 - 07/2007

Pharmacy
Faculty of Pharmacy
University of Jordan
3.5 out of 4 (very good)

Employment Record

Current position

Assistant professor in Pharmacology,
Faculty of Pharmacy
Al-Zaytoonah University
Amman, Jordan
Started : 1/09/2015

Previous Positions Held

- 1- **Lecturer in Pharmacology,**
College of Pharmacy
Al-Jouf University
Skaka, Saudi Arabia
- Duration:** One year (2009 – 2010)
- 2- **Pharmacist (Part time job)**
Al-Sunono Pharmacy
Amman, Jordan
- Duration:** Two years (2007 – 2009)

Awards

-13/03/2015: **Best Abstract of the GOLDEN HELIX SYMPOSIA: NEXT-GENERATION PHARMACOGENOMICS.** Malay University, Malaysia.
The abstract title is: Genetic influences of UDP-Glucuronosyltransferase genes on 20-HETE glucuronidation in human liver microsome.

-15/12/2011: **First prize** of superior oral presentation in the **ninth Annual Inje English Paper and Poster Contest.** Inje University, South Korea.

Publications

N Hakooz, **YB Jarrar**, M Zihlif, A Imraish, S Hamed, T Arafat. Effects of the genetic variants of organic cation transporters 1 and 3 on the pharmacokinetics of metformin in Jordanians. **Drug Metabolism and Personalized Therapy.** 32 (3), 157-162

RS Mosleh, NA Aziz, SM Ali, MM Manan, S ZYUOD, IM Shah, **YB Jarrar**.(2017). Predictors of good glyceimic control among type II diabetes patients in Palestine. **Asian Journal of Pharmaceutical and Clinical Research**. 10 (9), 341-34

Y Jarrar.(2017) The Effect of Cigarette Smoking on the Production of 20-Hydroxyecosatetraenoic Acid in Human Platelet. **International Journal of Research in Ayurveda and Pharmacy** 8 (2), 66-69

YB Jarrar, L Hamadneh, W Naser.(2017) The Frequency Of Vitamin K Epoxide Reductase Complex-1639g> A Genetic Variant Among Healthy Unrelated Jordanian Volunteers. **Pharmacologyonline** 13(1), 106-112

MI Almansour, **YB Jarrar**, KA Aloyaidy, BM Jarrar. (2017) Ameliorative Effect of Propolis Against Hepatorenal Alterations Induced by Methotrexate: Morphohistopathological Study. **International Journal of Morphology** 35 (2), 756-764

Jarrar YB, Hamadneh L, Zihlif M (2017). The Cytochrome 4F2 rs2108622 Genetic Variant among Unrelated Arab Jordanian Volunteers. **Jordan Medical Journal**. 51 (2), 69-76

Jarrar YB, Kherfan F, Obaid A, Hamadneh L, Al-Bawab AQ (2016). The Frequency of UGT2B7*2 (802C>T) Allele among Healthy Unrelated Jordanian Volunteers. **J Drug Metab Toxicol** 2016, 7: 218

Almansour M, **Jarrar YB**, Jarrar BM, (2016). Propolis protective Role Against Morphological, Hormonal Biochemic.l and Histological Alterations Induced by Sildenafil Overdoses. **Int. J. Morphol.** 34(2):533-540,

Cho SA, Rohn-Glowacki KJ, **Jarrar YB**, Yi M, Kim WY, Shin JG, Lee SJ. (2015). Analysis of genetic polymorphism and biochemical characterization of a functionally decreased variant in prostacyclin synthase gene (CYP8A1) in humans. **Arch Biochem Biophys**. 569C:10-18. (*Impact factor:3.05*)

Jarrar YB, Cha EY, Seo KA, Ghim JL, Kim DH, Kim HJ, Lee SJ, Shin JG. (2014). Determination of major UDP-glucuronosyltransferase enzymes and their genotypes responsible for 20-HETE glucuronidation.. **J Lipid Res**; 55(11):2334-42. (*Impact factor:4.3*)

Jarrar YB, Lee SJ. (2014). Molecular functionality of CYP2C9 polymorphisms and their influence on drug therapy. **Drug Metabol Drug Interact.**;29(4):211-20.

Jarrar YB, Cho SA, Oh KS, Kim DH, Shin JG, Lee SJ. (2013). Identification of cytochrome P450s involved in the metabolism of arachidonic acid in human platelets. **Prostaglandins Leukot Essent Fatty Acids**; 89(4):227-34. (*Impact factor:2.7*)

Jarrar YB, Shin JG, Lee SJ. (2013). Expression of arachidonic acid-metabolizing cytochrome P450s in human megakaryocytic Dami cells. In **Vitro Cell Dev Biol Anim** ;49(7):492-500. (*Impact factor:1.3*)

Irshaid YM, Abujbara MA, Ajlouni KM, El-Khateeb M, **Jarrar YB**. (2013). N-acetyltransferase-2 genotypes among Jordanian patients with diabetes mellitus. **Int J Clin Pharmacol Ther**;51(7):593-9. (*Impact factor:1.13*)

Lee SJ, Kim WY, **Jarrar YB**, Kim YW, Lee SS, Shin JG. (2013). Single nucleotide polymorphisms in SULT1A1 and SULT1A2 in a Korean population. **Drug Metab Pharmacokinet**;28(4):372-7. (*Impact factor:2.01*)

Lee SJ, Kwon JA, Cho SA, **Jarrar YB**, Shin JG. (2012). Effects of testosterone and 17 β -oestradiol on expression of the G protein-coupled receptor P2Y12 in megakaryocytic DAMI cells. **Platelets**; 23(8):579-85. (*Impact factor:2.63*)

Jarrar, B.M, M.M. Alenezi, A. Al-Hiri, **Jarrar Y. B**. (2012). Hepatic and Renal Histological Alterations Induced by Topical Hydroquinone Administration. **Am j pharmacol and toxicol**; 7(1):19-26. (*Impact factor:0.44*)

Jarrar YB. (2011). Problem-Based Clinical Cases Increase the Level of Pharmacology Education for Physiotherapy Students, **Am Med J**; 2(1):29-31.

Jarrar YB. (2011). Pharmaceutical practice and selling of drugs during Ramadan . **Libyan J. Med.**; 6:5775. (*Impact factor:1.33*)

Jarrar YB, Ismail S, Irshaid Y.(2010). N-acetyltransferase 2 genotype among unrelated Jordanian volunteers. **Int J Clin Pharmacol Ther**; 48(10):688-94. (*Impact factor:1.13*)

Jarrar YB .(2010). No Association Between NAT2 Genotype and Gender Among Caucasians. **pharmacologyonline**. 2(1): 1072-1078. (*Impact factor:0.16*)

Conferences

Title: European Association of Pharmacogenomics and Personalized Medicine (ESPT17):
Pharmacogenomics and Personalized Medicine

Date: 4th - 7th October

Place: Landmark Hotel, Catania, Italy

Mode of Participation: Poster

Identification of Novel Genetic Variant on N-acetyltransferase 2 (*NAT2*) Gene with In Silico Functionality among Jordanian Population

Title: 1st International Conference of Al Bashir Hospital

Date: 31ST March- 2ND April

Place: Landmark Hotel, Amman, Jordan

Mode of Participation: Speaker

The Potential Interaction between Non-Steroidal Anti-Inflammatory Drugs and 20-Hydroxyeicosatetraenoic Acid in Human Liver Microsomes

Title: 2015 American Society of Clinical Pharmacology and Therapeutics Annual Meeting

Date: 2015-03-03 to 2015-03-07.

Place: Hyatt Regency, New Orleans, LA.

Mode of participation: Poster.

Yazun Jarrar, Cho SN, Park JS, Yi MJ, Kim WY, Lee SJ, Shin JG: Identification and Functional Studies of CYP4V2 Variants Among Korean Population.

Title: 2014 Korean Clinical Pharmacology and Therapeutics

Date: 2014-11-17 to 2014-11-18.

Place: Haeundae Paik Hospital, Busan, South Korea.

Mode of participation: Poster.

Yazun Jarrar, Cho SN, Park JS, Yi MJ, Kim WY, Lee SJ, Shin JG: Genetic finding and functional study of Cytochrome 4V2 (CYP4V2) gene in Korean population.

Title: 19th North American ISSX Meeting / 29th JSSX Meeting.

Date: 2014-10-19 to 2014-10-23.

Place: Hilton San Francisco| San Francisco, California, USA.

Mode of participation: Poster.

Yazun Jarrar, Cha EY, Seo KA, Ghim JL, Kim DH, Kim HJ, Lee SJ, Shin JG:
Determination of major UDP-glucuronosyltransferase enzymes and their genotypes responsible for 20-HETE glucuronidation..

Title: 2014 International Conference on Pharmacogenomics.

Date: 2014-02-20 to 2014-02-20.

Place: Yonsei University| Seoul, South Korea.

Mode of participation: Attendance.

Title: 2013 Joint Meeting of Coronary Revascularization (JCR).

Date: 2013-12-13 to 2013-12-14.

Place: Haeundae, Novotel| Busan, South Korea.

Mode of participation: Attendance.

Title: The XIII International Congress of Toxicology (ICT2013).

Date: 2013-06-30 to 2013-07-04.

Place: COEX Hotel | Seoul, South Korea.

Mode of participation: Attendance.

Title: American Society for Clinical Pharmacology and Therapeutics 2013 Annual Meeting.

Date: 2013-03-05 to 2013-03-09.

Place: JW Marriott Hotel, Indianapolis, USA.

Mode of participation: Poster.

*Yazun Jarrar, Oh KS, Cha EY, Kim YR, Kim YW, Kim DH, Kim HJ, Lee SJ, Shin JG.
Effect of UDP-glucuronosyltransferase 1A3, 1A9 and 2B7 genetic polymorphisms on
20-HETE glucuronidation in human liver tissues.*

Title: The 21st Korea-Japan Joint Seminar in Pharmacology

Date: 2012-10-31 to 2012-11-02

Place: ShineVille Luxury Resort, Jeju, South Korea.

Mode of participation: Poster.

*Su-Jun Lee, Yazun Jarrar and Jae-Gook Shin: Discovery of cytochrome P450s in
human platelets and their potential roles in cardiovascular complications.*

Title: 19th MDO and 12th European Regional International Society for the Study of Xenobiotics Meeting.

Date: June 17–21, 2012.

Place: Grand Hotel Huis ter Duin | Noordwijk aan Zee, the Netherlands.

Mode of participation: Two posters.

- Yazun B. Jarrar, Sun-Ah Cho, Dhananjay Shinde, Dong-Hyun Kim, Jae-Gook Shin, Su-Jun Lee: *Identification and functional studies of cytochrome P450s in human platelets.*

- Su-Jun Lee, Jeong-Ah Kwon, Sun-Ah Cho, Yazun B Jarrar, Woo-Young Kim, Jae-Gook Shin: *Regulation of P2Y12 expression by testosterone in magakaryotic Dami cells.*

Workshops

1-Title: R Statistical Software Training

Date: 2014-12-20 to 2014-12-20.

Place: Department of Pharmacology, College of Medicine, Inje University.

2-Title: SAS Statistical Software Training

Date: 2014-09-04 to 2014-10-06.

Place: Department of Pharmacology, College of Medicine, Inje University.

3- Title: Laboratory Safety

Date: 2012-10-16 to 2012-10-16.

Place: Inje University.

4- Title: Winnolin Pharmacokinetics Analysis

Date: 2011-10-05 to 2011-10-06.

Place: Department of Pharmacology, College of Medicine, Inje University.

5- Title: Genotyping Techniques

Date: 2010-11-15 to 2010-11-17.

Place: Pharmacogenomic Research Center, College of Medicine, Inje University.

Special Skills

I have been involved in training in the following skills:

1- High Pressure Liquid Performance Chromatography (HPLC)

2- Spectrophotometry

- 3- Fluorometry
- 4- Platelet isolation
- 5- Enzyme Kinetic assays
- 6- DNA and RNA extraction
- 7- Polymerase Chain Reaction (PCR)
- 8- Agarose and polyacrylamide gel electrophoresis
- 9 - Real time and snapshot PCR
- 10 - Haplotype analysis
- 11 - DNA sequencing
- 12 - Pyrosequencing
- 13 - Cell line culture
- 14 - Gene cloning in eukaryotic and prokaryotic expression systems
- 15 - Mutagenesis
- 16 - Western blot
- 17 - Dealing with animal laboratory (Mice, rats and rabbits)

Contacts

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References

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Inje University College of Medicine, Inje University,

Busan, Korea,

E-mail: 2sujun@inje.ac.kr;

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