

CURRICULUM VITAE

Full name: Yazun Bashir Jarrar

*Faculty of Pharmacy/Department of Pharmacy,
Al-Zaytoonah University of Jordan, Amman, Jordan*

Phone: +962 6 4291511 ext.: 273

Fax: +962 6 4291432

E-mail: yazun.jarrar@zuj.edu.jo



1. Personal Data

Date of Birth: 28th of May, 1985

Nationality: Jordanian

2. Education

- 1- Doctorate degree: 09/2010-02/2015
Pharmacology
Faculty of Medicine
Inje University, South Korea
Grade: 4.3 out of 4.5 (Excellent)
- 2- Master degree: 09/2007 - 07/2009
Pharmacology
Faculty of Medicine
University of Jordan, Jordan
Grade: 4 out of 4 (Excellent)
- 3- B.Sc. Degree: 09/2002 - 07/2007
Pharmacy
Faculty of Pharmacy
University of Jordan
3.5 out of 4 (very good)

3. Ph.D. Dissertation



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

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

4. Employment

Academic Positions

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
 University of Jordan
 Amman, Jordan
Duration: One semester (9/2016-1/2017)

2- **Lecturer in Pharmacology,**
 College of Pharmacy
 Al-Jouf University
 Skaka, Saudi Arabia
Duration: One year (2009 – 2010)

Administrative Positions

- Not Applicable

5. Research Interests

- Pharmacogenetics and genomics of drug metabolizing enzymes.

6. Membership in Scientific Societies and Associations

- Jordan Pharmacists Association



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

- European Society of Pharmacogenomics and Personalized Medicine.

7. Honors and 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.

8. Fellowships and Scholarships

- Post-doctoral fellowship, College of Medicine, Inje University, South Korea (2015).

9. Teaching Experience

- *Graduate Courses*

1. Advanced Pharmacology for Nurse Students

- *Undergraduate Courses*

1. Pharmacology 1
2. Pharmacology 2
3. Pharmacology 3
4. Pharmacology lab
5. Clinical Pharmacy lab, medical cases
6. Biotechnology

10. Supervision of Graduate Research

1. Ayat Balasmeh, Identification of Novel Genetic Variant on N-Acetyltransferase 2 Gene (NAT2) with In Silico Functionality among Jordanian Population, 2017. Main supervisor.
2. Abdul hasib Kilani, Alterations in the gene expression of drug and arachidonic acid-metabolizing Cyp450 in the livers of controlled and uncontrolled insulin-dependent diabetic mice, 2018. Main supervisor.
3. Maria ghishan, The Nudix Hydrolase 15 (NUDT15) Gene Variants among Jordanian Arab Population, 2018. Main supervisor.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

4. May AL-Majawleh, DNA Methylation Levels and the Effect on Gene Expression of Several Genes Involved in Breast Cancer Using PCR Array, 2016. Co-supervisor.

11. Grants

1. *DNA Methylation of Different Genes in Breast Cancer Cell Lines and the Effect on Gene Expression in Response to Several Chemotherapy Agents*, 2016, Al-Zaytoonah University of Jordan, 72,700 JD.
2. *Chronic Hypoxic MCF7 Breast Cancer Cell line: Tracking the Alterations on Cellular Metabolism Level*, Scientific Research Support/Ministry of High Education, 2017, 28,400 JD.
3. *Effects of Non-Steroidal Anti-Inflammatory Drugs on The Gene Expression of Arachidonic Acid Metabolizing Enzymes in Mice Hearts*, 2018, King Abdullah II Center for Investment and Development, 4,000 JD.

12. Patents

- Not Applicable

13. Membership of Committees

- **National and International:**
 - **Examination Committee of the following postgraduate students:**
 - 1) *Biological Evaluation of the antimicrobial and antihyperlipidemic activity of novel 3,5-disubstitutedamido - 1,2,4-thiadiazole and 2,5-disubstitutedamido -1,3,4-thiadiazole*, Luma Adel Abd Al-Samed, ALZaytoonah University of Jordan, 2017.
 - 2)
 - 3) *Design, Synthesis and In Vivo Biological Evaluation of Novel Benzimidazole-2-carboxamide Derivatives as Antihyperlipidemic Agents*, Hanin Mohammad K. Kalloush, Al-Zaytoonah University of Jordan, 2016.
 - 4) *Design, Synthesis, and Biological Evaluation of Benzoin Schiff's Bases as Antitumor Agents*, Fatima Mahmoud Al-Tarawneh, AlZaytoonah University of Jordan 2016.
- **University:**
 - *Safety and Community Service committee (chair).*
 - *Laboratory animal ethics committee (member).*
 - *The Committee for Curriculum and Educational Resources, a Faculty committee (member).*
 - *The Committee for Curricular Equivalence and Academic Advisement,*



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

and Training, and Alumni Follow-up, a Faculty committee (member).

14. Professional and Scientific Meetings

Scientific Meetings Organized

- *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2017), Amman, Jordan, 29th to 30th of November, 2017.*
- *Al-Zaytoonah University of Jordan & The University of Toledo International Pharmaceutical Conference (ZTIPC 2015), Amman, Jordan, 27th to 29th of October, 2015.*

15. Participation in or organization of curricular and/or extra-curricular activities

- Free medical service day, Islamic College, 27/4/2018.
- Career Day for 5th year students in March, 2018, in Al-Zaytoonah University of Jordan campus.

16. Publications

- Papers in refereed journals:

Jarrar YB, Ghishan. The Nudix Hydrolase 15 (NUDT15) Gene Variants among Jordanian Arab Population. **Asian Pacific Journal of Cancer Prevention**. In press 2018

Jarrar YB, Al-Essa L, Alkilani A, Hasan M, Al-Qerem W. Alterations in the gene expression of drug and arachidonic acid-metabolizing Cyp450 in the livers of controlled and uncontrolled insulin-dependent diabetic mice. **Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy**. In press 2018

MI Almansour, **YB Jarrar**, BM Jarrar. In vivo investigation on the chronic hepatotoxicity induced by sertraline. **Environmental Toxicology and Pharmacology** 2018; 61(7)107- 115.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

Hamadneh L, Al-Majawleh M, **Jarrar YB**, Shraim S, Hasan M, Abu-Irmaileh B. Culturing conditions highly affect DNA methylation and gene expression levels in MCF7 breast cancer cell line. **In Vitro Cell Dev Biol Anim.** 2018;54(5):331-334.

Jarrar YB, Balasmeh AA, Jarrar W. Sequence analysis of the N-acetyltransferase 2 gene (NAT2) among Jordanian volunteers. **Libyan J Med.** 2018 ;13(1):1408381.

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

RSA Mosleh, **YB Jarrar**, S Zyoud, DE Morisky. Factors Related to Diabetes Self-Care Management Behaviors Among Patients with Type II Diabetes in Palestine. **Journal of Applied Pharmaceutical Science** 2017; 7 (12), 102-10

RS Mosleh, NA Aziz, SM Ali, MM Manan, S ZYUOD, IM Shah, **YB Jarrar**.(2017). Predictors of good glycemic 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-Hydroxyeicosatetraenoic 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,



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

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*)



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

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

- Books and Book Chapters:
 - Not Applicable
- Conference Presentations:

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



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

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.



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion

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.*

- Reports
 - Not Applicable



QF11/0110 - 3.0E

Curriculum Vitae Form - Procedures of Faculty Transfer and Promotion