

CURRICULUM VITA

RABAA M. ALROUSAN, Ph.D,R.Ph.

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QUALIFICATIONS PROFILE

EDUCATION AND TRAINING: Graduated from College of Pharmacy on top of my class. Awarded a US scholarship to pursue graduate education. Completed MS in Molecular Physiology and Biophysics and PhD in Biomedical Sciences (concentration in clinical pharmacology) with **perfect GPA**, received the Best Academic Performance Award. Completed the National Association of Boards of Pharmacy licensure requirements, licensed as a registered pharmacist (RPh) with Illinois and West Virginia Boards of Pharmacy. Achieved the APhA Medication Therapy Management Certificate and the APhA Pharmacy-Based Immunization Delivery Certificate. Achieved the University of Toronto OSCEology certificate. Expected to achieve the ASHP Board Certification in Pharmacotherapy July, 2019.

TEACHING: Several years of teaching in professional Medical/Pharmacy schools in USA including 9 years of teaching experience in Physiology, Pathophysiology, Pharmacology, and Integrated Pharmacotherapy courses at top US institutions. Experienced in learning strategies for modern pedagogy including student-centered active learning, self-regulated learning, team-based and problem-based learning. Received Teacher of the Year Award and multiple Teaching Team of the Year Awards.

RESEARCH: Several years of experience in designing, performing, and supervising research projects in a competitive and challenging environment. Experience in training students in *in vitro* and *in vivo* research. Published original research in high impact scientific journals. Grant/Journal reviewer for several national and international societies.

SERVICE: Experience in Medical/Pharmacy curriculum, ACPE accreditation process, OSCE, students advising, mentoring curricular/co-curricular activities, serving in university/college standing and ad hoc committees.

EDUCATION

Pharm.D.: (Exp. Summer 2020)

University of Colorado Skaggs School of Pharmacy, Denver, CO

Ph.D.: December, 2009

Marshall University School of Medicine, Huntington, WV
Biomedical Sciences (Clinical Pharmacology)

M.S.: May 2007

University of Iowa College of Medicine, Iowa city, IA

Molecular Physiology and Biophysics

B.S Pharmacy: January 2004

Jordan University of Science & Technology, Irbid, Jordan

PHARMACY LICENTURE AND CERTIFICATION

Pharmacist (Active), Illinois State # 051.293231

Pharmacist (Active), West Virginia State # RP0008009

WORK EXPERIENCE

University of Texas at Tyler, Tyler, TX

Associate Professor
Fisch College of Pharmacy

Dec 2017-Sep 2018

Texas A&M Health Science Center, Kingsville, TX

Assistant Professor
Rangel College of Pharmacy, Department of Pharmaceutical Sciences

Oct 2013 – Nov 2017

University of Charleston, Charleston, WV

Assistant Professor
Department of Pharmaceutical & Administrative Sciences

Jan 2010 - Sep 2013

Marshall University, Huntington, WV

Graduate Teaching & Research Assistant
School of Medicine

Aug 2007 - Jan 2010

University of Iowa, Iowa City, IA

Research Assistant
College of Medicine, Department of Physiology & Biophysics

Aug 2004 - May 2007

TEACHING EXPERIENCE

Marshall University

Human Physiology: 4 credits (Role: Instructor)

University of Charleston

Human Physiology: 3 credits (Role: Course coordinator &Instructor)

Pharmacology I: 4 credits (Role: Course coordinator &Instructor)

Pharmacology II: 4 credits (Role: Course coordinator &Instructor)

Pathophysiology: 4 credits (Role: Course coordinator &Instructor)

Professional Awareness and Preparation Seminar: 1 credits (Role: Instructor)

Journal Club: 1 credit (Role: Instructor)

Pharmacology for Physician Assistant (PA) students: 3 credits (Role: Instructor)

Texas A&M University

Human Physiology: 4 credits (Role: Course coordinator &Instructor)

Principles of drug action I: 3credits (Role: Course coordinator and instructor)

Integrated pharmacotherapy IV (IPT IV): Neurology and Pain Management: 3credits (Role: Instructor)

Integrated pharmacotherapy V (IPT V): Psychiatry and addiction 3 credits (Role: Instructor)

Integrated pharmacotherapy VII (IPT VII): Infectious diseases: 5 credits (Role: Instructor)

IV admixture and sterile products laboratory: 2 credits (Role: Instructor)

Independent study: 2 credit (Role: Instructor)

University of Texas at Tyler

Integrated Pharmacotherapy III: 4 credit (Role: Instructor)

Integrated Laboratory III: 2 credit (Role: Instructor)

Integrated Pharmacotherapy IV: 4 credit (Role: Instructor)

Integrated Laboratory IV: 2 credit (Role: Course coordinator and Instructor)

AWARDS

Best Academic Performance Award, Marshall University, Huntington, WV, 2008.

CDDC Symposium Poster Award, Marshall University, Huntington, WV, 2008.

STAR Symposium Poster Award, Charleston, WV, 2009.

Biomedical Sciences Graduate Student Travel Award, Marshall University, Huntington, WV, 2009.

Teacher of the Year Award, University of Charleston School of pharmacy, Charleston, WV, 2012.

Teaching Team of the Year Award, Texas A&M University College of Pharmacy, Kingsville, TX, 2014.

Teaching Team of the Year Award, Texas A&M University College of Pharmacy, Kingsville, TX, 2015.

Teaching Team of the Year Award, Texas A&M University College of Pharmacy, Kingsville, TX, 2016.

HONORS

Foreign Pharmacy Graduate Exam (FPGE) and Pharmacy Curriculum Outcome Assessment (PCOA) writer, National Association of Boards of Pharmacy Headquarters, Chicago, IL, Oct., 2013.

Invited speaker, 2nd International Conference and Exhibition on Pharmacovigilance & Clinical Trials during November 18-19, 2013 at San Antonio, TX, Nov. 2013.

Invited speaker, Health Science Center Research Colloquium, Texas A&M University, Irma Lerma Rangel, College of Pharmacy, College Station, TX, June. 2-3, 2016.

Invited speaker, Knowledge Skills Training Assessment Research (KSTAR) program, Texas A&M Health Science Center, Bryan, TX, July, 2014.

RESEARCH FUNDS

2010 -2013: University of Charleston Faculty Development Fund (Role, Co-I).
Efficacy of deferasirox in preventing iron overload complications.

2013 -2016: Texas A&M Health Sciences Center Faculty Development Fund (Role, Co-I).
Design and synthesis of flavin analogs as novel potent antitumor agents.

PUBLICATIONS

Journal Publications

Malki WH, Gouda AM, Ali HEA, **Al-Rousan R**, and others. Structural-based design, synthesis, and antitumor activity of novel alloxazine analogues with potential selective kinase inhibition. *Eur J Med Chem.* 2018;152: 31-52

Alkhateeb FM, Alameddine S, Attarabeen OF, Latif DA, Osolin S. Khanfar NM, **Al- Rousan RM**. Pharmacy Students' Use of Social Media Sites and Perception toward Facebook Use. *Archives of Pharmacy Practice.* 2015; 6(4).

Hamouda A, **Al-Rousan RM**, Alkhateeb FM. Pharmacy Education in the Palestinian Territories. *American Journal of Pharmacy education (AJPE).* 2015, 79(1): Article 2.

Al-Rousan RM, Alkhateeb FM, Veronin M, Latif DA, Dodd M. Availability, Uniqueness and Perceived Value of Bachelor of Science in Pharmaceutical Sciences (BSPS) Programs in the United States. *Pharmacy.* 2014; 2(1):1-16.

Al-Rousan RM, Manzoor K, Paturi S, Arvapalli RK, Laurino JP, Dornon L, Ernest M. Walker EM, Blough ER. Long term efficacy of deferasirox in preventing cardiovascular complications in the iron overloaded gerbil. *Journal of Cardiovascular Pharmacology and Therapeutics*, 2012; 17(1):117-25.

Wang Y, Wu M, **Al-Rousan RM**, Liu H, Fannin J, Paturi S, Arvapalli RK, Katta A, Kakarla SK, Rice KM, Triest WE, Blough ER. Iron-induced cardiac damage: role of apoptosis and deferasirox intervention. *Journal of Pharmacology and Experimental Therapeutics.* 2011; 336(1):56-63.

Al-Rousan RM, Rice KM, Katta A, Laurino J, Walker EM, Wu M, Triest WE, and Blough ER. Deferasirox Protects Against Iron-Induced Hepatic Injury In Mongolian Gerbil. *Translational Research*, 2011;157(6):368-77.

Alkhateeb FM, Clauson KA, Latif DA, **Al-Rousan RM**. The Foreign Pharmacy Graduate Equivalency Examination (FPGEE): Global Education Implications. *American Journal of Pharmaceutical Education* 2010; 74(5).

Al-Rousan RM, Satyanarayana P, Laurino JP, Kakarla SK, Gutta AK, Walker EM, Blough ER. Deferasirox Removes Cardiac Iron and Attenuates Oxidative Stress in the Iron- Overloaded Gerbil. *American Journal of Hematology* 2009; 84(9):565-70.

Alkhateeb FM, Unni E, Latif DA, Shawaqfeh MS, **Al-Rousan RM**. Physicians Attitudes towards

Collaborative Agreement with Pharmacists and their Expectations of Pharmacists Responsibilities in West Virginia. *JAPhA*. 2009; 49(6):48-51.

Peer- Reviewed Proceedings/Presentations

Elwaie T, **Al-Rousan RM**, Samaha D, Abd Elmageed Z, Ali H. Kinase-targeted cancer therapy: design, synthesis, and biological screening of ABL and EGFR/HER2 inhibitors. Podium presentation in 45th Annual MALTO Medicinal Chemistry-Pharmacognosy Meeting-in-Miniature. Texas A&M Irma Lerma Rangel College of Pharmacy College Station, Texas, May 23-25, 2018

Standard B, **Al-Rousan RM**, Samaha D, Abdalla A, Abd Elmageed Z, Ali H Structural-Based Design, Synthesis, SAR, and Biological Studies of Novel Alloxazine Analogues as Potent and Selective Antitumor Agents. Symposia on Cancer Research 2017 Cancer Metabolism, The University of Texas MD Anderson Cancer Center, Houston, Texas, October 5-6, 2017.

Standard B, **Al-Rousan RM**, Doaa Samaha, Ashraf N. Abdalla, Zakaria Y. Abd Elmageed, Hamed I. Ali*. Lead Optimization, Synthesis, In Silico, SAR, and Biological Studies of Novel Alloxazine Analogues as Potent and Selective Antitumor Agents. 43rd Annual MALTO Conference for the Medicinal Chemistry, University of Louisiana at Monroe, May 21-23, 2017.

Al-Rousan RM, Gouda AM, Abd Elmageed Z, Abdalla, Ali H. Design, Synthesis, In Silico Study, and Biological Screening of Flavin Analogues as Novel Selective and Potent Antitumor Agents. Research Colloquium, Texas A&M University, Health Science Center, Irma Lerma Rangel, College of Pharmacy, Jun. 2-3, 2016.

Ali J, Bedewy W, Malky M, **Al-Rousan RM**, Ali H. Design, Synthesis, In Silico Study, and Biological Screening of Flavin Analogues as Novel Selective and Potent Antitumor Agents. 43rd Annual MALTO Conference for the Medicinal Chemistry, in Houston University, May 23-24, 2016

Alkhateeb FM, Asiri Y, **Al-Rousan RM**, Latif DA. International pharmacy accreditation / certification programs: value and benefits for pharmacy education in the Gulf Cooperation Countries (GCC). 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences 2015, Düsseldorf, Germany, September 29-October 3, 2015.

Alkhateeb FM, Alameddine S, **Al-Rousan RM**. Assessment of pharmacists' attitude, behaviors, and preferences related to continuing pharmacy education. American Association of Colleges of Pharmacy (AACP) Annual Meeting, National Harbor, Maryland, July 11-15, 2015.

Hamouda AK, **Al-Rousan RM**, Alkhateeb FM. Challenges and Successes of twenty years of Pharmacy Education in the Palestinian Territories. AACP Annual Meeting, Grapevine, TX, July 26-30, 2014.

Al-Rousan RM, Alkhateeb FM, Latif DA, Kaushal G. Evaluating the Need for Graduates with a Bachelor of Science Degree in Pharmaceutical Sciences. American Pharmacists Association (APhA) Annual Meeting & Exposition. March 1-4, 2013, Los Angeles, CA

Al-Rousan RM, Euler ML. Evaluation of student performance at didactic courses at a school of pharmacy. American Association of Colleges of Pharmacy (AACCP) annual meeting, July 14-18, 2012, Kissimmee, FL.

Al-Rousan RM, Manzoor K, Paturi S, Arvapalli R, Laurino Jp, Dornon L, Ernest M. Walker EM, Blough ER. Long term efficacy of deferasirox in preventing cardiovascular complications in the iron overloaded gerbil. American Pharmacists Association (APhA) Annual Meeting & Exposition, March 25-28, 2011, Seattle, WA.

Al-Rousan RM. Deferasirox and iron removal in the iron overloaded gerbil. Beirut Arab University International Pharmacy Conference. May 6-8, 2010, Beirut, Lebanon.

Al-Rousan RM, Katta A, Paturi S, Kidd B, Manzoor K, Walker EM, and Blough ER. Chronic Deferasirox Administration Decreases Hepatic Oxidative Stress and Apoptosis in the Iron Overloaded Gerbil. American Society of Hematology (ASH) Annual Meeting & Exposition, New Orleans, LA, December 5-8, 2009.

Alkhateeb FM, Latif DA, **Al-Rousan RM**. The Foreign Pharmacy Graduate Equivalency Examination (FPGEE): Global Educational Implications. American Association of Colleges of Pharmacy (AACCP) Annual Meeting, Boston, MA, July 19-23, 2009.

Al-Rousan RM, Walker EM, Laurino JP, Paturi S, and Blough ER. Deferasirox and Iron Removal in the Iron Overloaded Gerbil. Clinical Science Trumpet, Tampa, FL, May 13-16, 2009.

Alkhateeb FM, Unni E, Latif DA, Shawaqfeh MS, **Al-Rousan RM**. Physicians Attitudes towards Collaborative Agreement with Pharmacists and their Expectations of Pharmacists Responsibilities in West Virginia. American Pharmacists Association (APhA) Annual Meeting & Exposition. San Antonio, Texas, April 3-6, 2009.

Al-Rousan RM, Satyanarayana P, Laurino JP, Gutta AK, Arvapalli RK, Kakarla SK, Devashish H. Desai, Walker EM, Blough ER. Deferasirox attenuates iron-induced oxidative stress and prevents cardiotoxicity in the iron-overloaded gerbil. The 2008 ACCP Annual Meeting. Louisville, KY, October 19–22, 2008.

Arvapalli RK, **Al-Rousan RM**, Laurino JP, Kakarla SK, Katta A, Paturi S, Gutta AK, Dornon L, Rice KM, Walker EM, and Blough ER. Deferasirox attenuates age-associated increases in cardiac and hepatic iron accumulation and improves blood glucose regulation. The 2008 ACCP Annual Meeting. Louisville, KY, October 19–22, 2008.

ACCREDITATION APPOINTMENTS

Accreditation Council for Pharmacy Education (ACPE) /International Services Program ISP consultant.

LEADERSHIP EXPERIENCE

Chair, Graduate advisory committee for Biomedical Sciences students. Marshall University, Huntington, WV, 2009.

Chair, Academic affairs committee. University of Charleston School of pharmacy, Charleston, WV, 2011-2012.

Chair, e-portfolio Ad hoc committee. University of Charleston School of pharmacy, Charleston, WV, 2012-2013.

Class Advisor for Class of 2016. University of Charleston School of pharmacy, Charleston, WV, 2013.

Chair, Strategic plan -education subcommittee. Texas A&M Health Science Center, Kingsville, TX, 2013-2014.

Faculty Advisor, Rho Chi international society for pharmaceutical sciences. Texas A&M Health Science Center, Kingsville, TX, 2016.

Faculty Advisor, Phi Lambda Chi National Fraternity. Texas A&M Health Science Center, Kingsville, TX, 2017.

Chair, Objective Structured Clinical Exam committee. University of Texas at Tyler Fisch College of Pharmacy (2017-2018).

PROFESSIONAL AFFILIATIONS

Member: American Society of Health Systems Pharmacists

Member: American College of Clinical Pharmacy

Member: American Association of Colleges of Pharmacy

Member: Cell Differentiation and Development Center, Marshall University

Member: American Association for the Advancement of Science

COMMITTEE INVOLVEMENT

University of Charleston

Member, Academic affairs committee (2010/2011)

Member, Student interview committee (2010-2013)

Member, Faculty affairs committee(2012/2014)

Member, Student Affairs Committee (2012-2014)

Member, Quality Assurance, Accreditation & Assessment committee (2011-2014)

Member, University Assessment Committee (2011-2013)

Member, Pharmacy Practice Faculty Search Committee (2012/2013)

Texas A&M University

Member, Credentialing Committee (2013-2014)

Member, Pharmaceutical Science Faculty Search Committee (2016)

Member, Strategic plan development committee (2013-2015)

Member, Student interview committee (2013-2017)

Member, Student affairs committee (2013-2017)

Member, OSCE committee (2016-2017)

Member, Admissions committee (2016-2017)

Member, Experiential education committee (2016-2017)

University of Texas at Tyler

Member, Strategic planning committee (2017-2018)

Member, Student interview committee (2017-2018)

Member, Pharmacy Curriculum Outcome Assessment (PCOA) committee (2017- 2018)

PROFESSIONAL INVOLVEMENT & SERVICE

Faculty Advisor, Professional Year 1, 2, 3 and 4 Students. University of Charleston School of pharmacy, Charleston, WV, 2010-2012.

Preceptor, Annual Kanawha City Health Fair. Charleston, WV, Oct. 2013.

Member, the Rangel College of Pharmacy Self-Study Retreat, Cesar Kleberg Wildlife Center, Kingsville, TX, Feb., 2014.

Member, the Rangel College of Pharmacy Self-Study Retreat, Cesar Kleberg Wildlife Center, Kingsville, TX, April, 2015.

Grader, Tele-Rx Exam. Texas A&M Health Science Center, Kingsville, TX, March, 2016.

Grader, Objective Structured Clinical Exam. Texas A&M Health Science Center, Kingsville, TX, March, 2017.

Organizing committee member for Disaster Day. Texas A&M Health Science Center, Bryan/College Station, TX, March, 2017.

Faculty Delegate, American Association of Colleges of Pharmacy (AACP), Texas A&M Rangel School of Pharmacy, 2017.

Grader, Objective Structured Clinical Exam. University of Texas at Tyler, Tyler, TX, March, 2018.

TRAINING AND CERTIFICATION WORKSHOPS

NABP Item Writing workshop for the Foreign Pharmacy Graduate Equivalency Examination (FPGEE) & Pharmacy Curriculum Outcomes Assessment (PCOA), NABP Headquarters, Chicago, IL, Oct., 2013.

Motivational interviewing workshop. University of Charleston School of pharmacy, Charleston, WV, March, 2012.

The Family Educational Rights and Privacy Act (FERPA) security training. Online Course. Oct., 2013.

Objective Structured Clinical Examination (OSCE) Certificate, Texas A&M Health Science Center, Rangel College of pharmacy, Kingsville, TX, Nov. 2013.

NIH Grant Writing Workshop: Write Winning Grant Proposals, Texas A&M Health Science Center, Rangel College of pharmacy, Kingsville, TX, Jan., 2014.

Active Learning Using Lecture Tools Workshop: Finding the Pedagogical Prescription to Increase Student Engagement. Texas A&M Health Science Center, Rangel College of pharmacy, Kingsville, TX, Feb., 2014.

Objective Structured Clinical Examination (OSCEology) Certificate, Leslie Dan Faculty of Pharmacy, University of Toronto, Toronto, Canada, June 2014.

Faculty Technology Forum, Faculty Experience of Administering ExamSoft. Texas A&M Health Science Center, Rangel College of Pharmacy, Kingsville, TX, June, 2014.

Faculty Development Workshop, Engaging Students in a Videoconference Environment. Texas A&M Health Science Center, Rangel College of Pharmacy, Kingsville, TX, July, 2014.

Faculty Development Workshop, Writing Meaningful Learning Objectives. The Teaching Learning Resource Center. Texas A&M Health Science Center, Kingsville, TX, July, 2014.

Flipped Teaching and Self –Regulated Learning Faculty development workshop. Texas A&M Health Science Center, Irma Lerma Rangel College of Pharmacy. Sep., 2015.

ACPE’s International Services Program (ISP) Consultant Orientation Training Workshop, Oct. 12, 2015.

Superior Multiple Choice Exam Item Construction and Analysis; TAMU Center for Teaching Excellence. . Texas A&M University, Kingsville, TX. April, 2016.

Student Learning – Let’s have a discussion. Dr. J. Doug Bricker. Texas A&M University, Kingsville, TX. May, 2016.

Boost Your Career to a National Level with Social Media; Dr. Nicki Hilliard. Texas A&M University, Kingsville, TX. June, 2016.

Faculty Forum: ExamSoft Best practices; Tagging ExamSoft questions; PCOA Blueprint and Collapsed Bloom’s Taxonomy. Texas A&M Health Science Center, Kingsville, TX, Oct, 2016.

Measuring Student Learning Outcomes with ExamSoft Categories workshop. Texas A&M Health Science Center, Kingsville, TX, Nov., 2016.

APhA Medication Therapy Management (MTM) Certificate. American Pharmacists Association Certification Program. Texas A&M University, Kingsville, TX. Jan 20, 2017.

APhA Pharmacy-Based Immunization Delivery Certificate. University of Houston, Houston, TX. Jan., 2017.

American Heart Association Basic Life Support training. University of Houston, Houston, TX. Jan., 2017.

Drug Information Databases Workshop. Answering Clinical Questions in Real Time: Quickly find answers to clinical questions using clinical point of care resources. University of

Colorado Health Sciences Center. Feb, 2017.

Occupational Safety and Health Administration (OSHA) Bloodborne Pathogens training and certification. Online course. March, 2017.

Health Insurance Portability and Accountability Act (HIPAA) privacy and security training. Online course. March, 2017.

Cultural Competency for the Health Professional. Online course. April, 2017

Turning technologies workshop: Create engaging experiences, enhance learning and provide real-time analytics. University of Texas at Tyler, Tyler, TX, Jan., 2018.

Interdisciplinary research interactive workshop: Options for Implementing Interdisciplinary Research Actions Relative to UT Tyler Strategic Plan. UT Tyler Senate meeting. University of Texas at Tyler, Tyler, TX, Feb., 2018.

Active learning, Assessment and the Flipped Classroom: Evidence Based Best Practices Workshop. University of Texas at Tyler, Tyler, TX, April, 2018.

Pharmacy and Therapeutics (P&T) Committee and the formulary system. University of Colorado Anschutz Medical Campus. July, 2018.

Evidence-Based Medicine and Literature Evaluation training course. University of Colorado Anschutz Medical Campus. July, 2018.

SMART Pharmacy Certificate. Hamad Medical Corporation, Doha, Qatar. Oct., 2018.

CRITICAL SCIENTIFIC REVIEW

Editor/Editorial board

Member, Editorial Advisory Board for Journal of Pharmacology, Pharmaceutics, and Pharmacovigilance.

Member, Editorial Advisory Board for Journal of Pharmaceutical and Quality Assurance.

Member, Editorial Advisory Board for Journal of Pharmacology, Drug Development, and Therapeutics.

Posters Judge

Seventh Annual Introductory Pharmacy Practice Experience health fair and poster competition, Texas A&M Health Science Center, Rangel College of pharmacy, Kingsville, TX, Nov., 2013.

2016 Texas A&M Health Science Center Research Colloquium, Texas A&M University. Bryan/College Station, June, 2016.

Student Society of Health-System Pharmacists (SSHP) poster competition Texas A&M Health Science Center, Kingsville, TX, 2017.

National Community Pharmacists Association (NCPA) patient counseling competition Texas A&M Health Science Center, Kingsville, TX, 2017.

Grad School 180 Annual Research Competition, University of Texas at Tyler, Tyler, TX, April, 2018.

TECHNICAL PROFICIENCY

Microsoft Office Suite | Educational Platforms (Blackboard Learn, Examsoft, Turning Technologies..etc), SigmaPlot, EndNote, and SigmaStat Data Analysis and Statistical Software.

OTHERS

American Citizenship