



Noor Barak Abdulmajeed Almandil

BSc Pharm, MSc, PhD

Associate Professor

Clinical Pharmacy Research Department

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Personal Data

Nationality | Saudi

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Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Specialty	Address
October 2013	PhD	Pharmacy Practice	University College London/UCL School of Pharmacy, UK
October 2008	MSc	Clinical Pharmacy	University of Strathclyde, UK
2004	BScPharm	Pharmaceutical Sciences	King Saud University

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Factors Influencing Weight Gain in Young People Treated with Antipsychotics
Master	Evaluation of Teachers' Perceptions of Patient Centred Teaching and the Development of Teaching and Learning Guidelines



Additional Certificate Courses Completed:

Degree	Year	Institute	Remark
PHRP Online Training, NIH web based training course "Protecting Human Research Participants"	April 2019	National Institute of Health, USA	Certificate No: 2823890
NCBE (National Committee for BioEthics) Web-based training course	July 2015	KACST, Saudi Arabia	Certificate No: 100382

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Associate Professor	Department of Clinical Pharmacy Research, Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University	June 2019
Assistant Professor	Department of Clinical Pharmacy Research, Institute for Research and Medical Consultations, Imam Abdulrahman Bin Faisal University	February 2014
In-patient pharmacist	King Fahd Hospital of the University	2005-2007
Pharmacist	Collage of Dentistry, King Faisal University	2004-2005

Scientific Achievements

Ranked among the top 2% of the world most cited scientists by Stanford University in 2021. Published: 10 Oct 2022

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

Name of Investigator(s)	Research Title	Publisher and Date of Publication
Borgio, J. Francis, Reem AlJindan, Lujeeen H. Alghourab, Rahaf Alquwaie, Razan Aldahhan, Norah F. Alhur, Doaa M. AlEraky, Nehal Mahmoud, Noor B. Almandil , and Sayed AbdulAzeez.	Genome mining for variations of multi-drug resistant genes and virulence factors in Enterococcus faecalis IRMC827A from a long-term patient.	Biology 2023;12(10):1296 https://doi.org/10.3390/biology12101296



<p>J. Francis Borgio, Rahaf Alhujaily, Rahaf Alquwaie, Maryam Jawad Alabdullah, Eman AlHasani, Wojod Alothman, Rawan Khalid Alaqeel, Aqeelah Salman Alfaraj, Ayidah Kaabi, Norah F. Alhur, Sultan Akhtar, Reem AlJindan, Sarah Almofty, Noor B. Almandil, Sayed AbdulAzeez</p>	<p>Mining the nanotube-forming Bacillus amyloliquefaciens MR14M3 genome for determining anti-Candida auris and anti-Candida albicans potential by pathogenicity and comparative genomics analysis</p>	<p>Computational and Structural Biotechnology, 2023. https://doi.org/10.1016/j.csbj.2023.08.031.</p>
<p>AlJindan, R.; AlEraky, D.M.; Farhat, M.; Almandil, N.B.; AbdulAzeez, S.; Borgio, J.F.</p>	<p>Genomic Insights into Virulence Factors and Multi-Drug Resistance in Clostridium perfringens IRMC2505A</p>	<p>Toxins 2023, 15, 359. https://doi.org/10.3390/toxins15060359</p>
<p>Noor B. Almandil, Maram Adnan Alismail, Hind Saleh Alsuwat, Abdulla AlSulaiman, Sayed AbdulAzeez, and J. Francis Borgio</p>	<p>Exome-wide analysis identify multiple variations in olfactory receptor genes (OR12D2 and OR5V1) associated with autism spectrum disorder in Saudi females</p>	<p>Frontiers in Medicine, 2023,10. https://www.frontiersin.org/articles/10.3389/fmed.2023.1051039/full https://doi.org/10.3389/fmed.2023.1051039</p>
<p>Noor B. Almandil, Abdulla AlSulaiman , Sumayh A. Aldakeel, Deem N. Alkuroud, Halah Egal Aljofi , Safah Alzahrani , Aishah Almana , Asma A. Alfuraih , Majed Alabdali Fahd A. Alkhamis , Sayed AbdulAzeez and J. Francis Borgio</p>	<p>Integration of Transcriptome and Exome Genotyping Identifies Significant Variants with Autism Spectrum Disorder</p>	<p>Pharmaceuticals 2022, 15, 158. https://www.mdpi.com/1424-8247/15/2/158</p>
<p>Borgio JF, Alsuwat HS, Alamoudi W, Hegazi FM, Al Otaibi WM, M Ibrahim A, Almandil NB, Al-Amodi AM, Alyousef YM,</p>	<p>Exome array identifies functional exonic biomarkers for pediatric dental caries.</p>	<p>Comput Biol Med. 2022 Feb;141:105019. https://pubmed.ncbi.nlm.nih.gov/34749984/</p>



AlShwaimi E, Almasoud N, Kamaraj B, Sayed A		
Antonino Giambona, Margherita Vinciguerra, Filippo Leto, Filippo Cassarà, Viviana Tartaglia, Valentina Cigna, Emanuela Orlandi, Francesco Picciotto, Nourah H Al Qahtani, Eman S Alsulmi, Noor B Almandil , Sayed AbdulAzeez, J Francis Borgio, Aurelio Maggio	Celomic Fluid: Laboratory Workflow for Prenatal Diagnosis of Monogenic Diseases	Mol Diagn Ther 2022; 26, 239–252 https://doi.org/10.1007/s40291-022-00577-3
Taha M, Ismail S, Imran S, Almandil NB, Alomari M, Rahim F, Uddin N, Hayat S, Zaman K, Ibrahim M, Alghanem B, Islam I, Farooq RK, Boudjelal M, Khan KM.	Synthesis of new urease enzyme inhibitors as antiulcer drug and computational study	J Biomol Struct Dyn. 2022 Nov;40(18):8232-8247. doi:10.1080/07391102.2021.1910072
Muhammad Taha, Nizam Uddin, Syed Muhammad Saad, Naveed Iqbal, Ghulam Fareed, El Hassane Anouar, Maya Haj Hassan, Noor Barak Almandil, Mohammed Salahuddin, Khalid Mohammed Khan, Abdul Wadood & Ashfaq Ur Rahman	An effort to find new α -amylase inhibitors as potent antidiabetics compounds based on indole-based-thiadiazole analogs	Journal of Biomolecular Structure and Dynamics, 40:23, 13103-13114, DOI:10.1080/07391102.2021.1982774
Alsaleh FM, Alsaeed S, Alsairafi ZK, Almandil NB , Naser AY and Bayoud T	Medication Errors in Secondary Care Hospitals in Kuwait the Perspectives of Healthcare Professionals	Front. Med. 2021; 8:784315. https://doi.org/10.3389/fmed.2021.784315
Norah F Alhur, Nourah H Al Qahtani, Entissar S AlSuhaibani, Eman Alsulmi, Noor B Almandil , Sayed	Fetal Nucleated Red Blood Cells Preferable Than Cell-Free Fetal DNA for Early Determination of Gender Among Invasive and Non-Invasive Source Using Novel Four Genes	International Journal of General Medicine 2021:14 9697–9705 https://www.dovepress.co



AbdulAzeez, J Francis Borgio	Multiplex PCR	m/fetal-nucleated-red-blood-cells-preferable-than-cell-free-fetal-dna-fo-peer-reviewed-fulltext-article-IJGM
J. Francis Borgio, Alia Saeed Rasdan , Bayan Sonbol , Galyah Alhamid , Noor B. Almandil , Sayed AbdulAzeez	Emerging Status of Multidrug-Resistant Bacteria and Fungi in the Arabian Peninsula	Biology 2021, 10, 1144. https://doi.org/10.3390/biology10111144
Muhammad Taha, Nizam Uddin, Syed Muhammad Saad, Naveed Iqbal, Ghulam Fareed, El Hassane Anouar, Maya Haj Hassan, Noor Barak Almandil , Mohammed Salahuddin, Khalid Mohammed Khan, Abdul Wadood, and Ashfaq Ur Rahman	An effort to find new α -amylase inhibitors as potent antidiabetic compounds based on indole-based-thiadiazole analogs	J Biomol Struct Dyn 2021 Sep 27;1-12. https://pubmed.ncbi.nlm.nih.gov/34569449/
MuhammadTaha,Ahlam Sayer Alrashedy, Noor Barak Almandil , Naveed Iqbal, El Hassane Anouar, Muhammad Nawaz, Nizam Uddin, Sridevi Chigurupati, Abdul Wadood, Fazal Rahim, Suprava Das, Vijayan Venugopal, Faisal Nawaz, Khalid Mohammed Khan	Synthesis of indole derivatives as diabetics II inhibitors and enzymatic kinetics study of α -glucosidase and α -amylase along with their in-silico study	International Journal of Biological Macromolecules 2021; 190: Pages 301-318 https://doi.org/10.1016/j.ijbiomac.2021.08.207
Nourah H. Al Qahtani, Sayed AbdulAzeez, Noor B. Almandil , Norah Fahad Alhur, Hind Saleh Alsuwat, Hatoon Ahmed Al Taifi, Ahlam A. Al-Ghamdi ¹ , B. Rabindran Jermy, Mohamed Abouelhoda, Shazia	Whole genome sequencing reveals exonic variation of ASIC5 gene results recurrent pregnancy loss	Front. Med., 30 July 2021 https://doi.org/10.3389/fmed.2021.699672



Subhani, Lubna Al Asoom and J. Francis Borgio		
Johra Khan, Lubn aIbrahim Al Asoom, Ahmad Al Sunni, Nazish Rafique, Rabia Latif, Seham Al Saif, Noor B. Almandil , Dana Almohazey, Sayed AbdulAzeez, J. Francis Borgio.	Genetics, Pathophysiology, Diagnosis, Treatment, Management, and Prevention of Migraine	Biomedicine & Pharmacotherapy 2021; 139: 111557 https://www.sciencedirect.com/science/article/pii/S0753332221003425
MuhammadTaha, Foziah J.Alshamrani, Fazal Rahim, El Hassane Anouar, Sridevi Chigurupati, Noor Barak Almandil , RaiKhalid Farooqui et al	Synthesis, Characterization, Biological evaluation, and Kinetic study of indole base sulfonamide derivatives as Acetylcholinesterase inhibitors in search of potent anti- Alzheimer agent	Journal of King Saud University - Science Available online 10 March 2021, 101401 https://www.sciencedirect.com/science/article/pii/S1018364721000628#!
Hussein Sabit a, Huseyin Tombuloglu a, Suriya Rehman b, Noor B. Almandil, etal.	Gut microbiota metabolites in autistic children: An epigenetic perspective	Heliyon 7 (2021) e06105 https://www.sciencedirect.com/science/article/pii/S2405844021002103
MuntherAlomari, MuhammadTaha FazalRahim,Manikandan Selvaraj,NaveedIqbal,Sri deviChigurupati ShafqatHussain, Noor B Almandil MuhammadNawaz, Rai Khalid Farooqui, Khalid Mohammed Khan.	Synthesis of indole-based-thiadiazole derivatives as a potent inhibitor of α - glucosidase enzyme along with in silico study	Bioorganic Chemistry Available online 8 January 2021, 104638 https://www.sciencedirect.com/science/article/pii/S0045206821000146
Laila M. Alsubaie, Hind Saleh Alsuwat, Noor B Almandil , Abdulla AlSulaiman, Sayed AbdulAzeez& J. Francis Borgio	Risk Y-haplotypes and pathogenic variants of Arab-ancestry boys with autism by an exome-wide association study	Molecular Biology Reports 2020; 47, 7623– 7632 https://doi.org/10.1007/s11033-020-05832-6
Mohamed Ibrahim,	A Novel Platform Based on Au-	Electroanalysis 2020, 32,



<p>Hossieny Ibrahim, Noor B. Almandil, Marwa A. Sayed, Abdel- Nasser Kawde, and Yaqeen Aldaquadouq</p>	<p>CeO₂@MWCNT Functionalized Glassy Carbon Microspheres for Voltammetric Sensing of Valrubicin as Bladder Anticancer Drug and its Interaction with DNA</p>	<p>1– 11 https://onlinelibrary.wiley.com/doi/10.1002/elan.202060125</p>
<p>Sumayh A. Aldakeel, Neda Z. Ghanem, Amani Al-Amodi, Noor Barak Almandil, Mohammed Shakil Akhtar, Sayed AbdulAzeez, J. Francis Borgio</p>	<p>Identification of seven novel variants in the β-globin gene in transfusion- dependent and normal patients</p>	<p>Archives of Medical Science, 2020; 16 (2): 453–459 https://doi.org/10.5114/aoms.2019.84825</p>
<p>Mohamed Ibrahim, Muhammed Taha, Noor B. Almandil, Abdel-Nasser Kawde, Muhammad Nawaz</p>	<p>Synthesis, characterization and electrochemical properties of some biologically important indole-based-sulfonamide derivatives</p>	<p>BMC Chemistry (2020) 14:38 https://bmcchem.biomedcentral.com/articles/10.1186/s13065-020-00691-5</p>
<p>Sayed AbdulAzeez, Noor B. Almandil, Zaki A. Naserullah, Sana Al-Jarrash, Ahmed M. Al-Suliman, Huda I. ElFakharay, J. Francis Borgio</p>	<p>Co-inheritance of alpha globin gene deletion lowering serum iron level in female beta thalassemia patients</p>	<p>Molecular Biology Reports,2020;47: 603–606 https://doi.org/10.1007/s11033-019-05168-w</p>
<p>Mohamed Ibrahim, Hossieny Ibrahim, Noor B. Almandil, Marwa A. Sayed, Abdel-Nasser Kawde</p>	<p>A new hybrid nanocomposite electrode based on Au/CeO₂- decorated functionalized glassy carbon microspheres for the voltammetric sensing of quercetin and its interaction with DNA</p>	<p>Analytical Methods (2020) ;12: 2846-2857 https://pubs.rsc.org/en/content/articlelanding/2020/ay/d0ay00507j#!divAbstract</p>
<p>J. Francis Borgio, Hind Saleh Alsuwat, Waad Mohammed Al Otaibi, Abdallah M. Ibrahim, Noor B Almandil, et al</p>	<p>State-of-the-art tools unveil potent drug targets amongst clinically approved drugs to inhibit helicase in SARS-CoV-2.</p>	<p>Archives of Medical Science (2020); 16 (3): 508–518 https://www.termedia.pl/State-of-the-art-tools-unveil-potent-drug-</p>



		targets-amongst-clinically-approved-drugs-to-inhibit-helicase-in-SARS-CoV-2,19,40407,0,1.html
Sayed Abdul Azeez, Zahra Ghalib Alhashim , Waad Mohammed Al Otaibi , Hind Saleh Alsuwat , Abdallah M. Ibrahim, Noor B. Almandil , J. Francis Borgio	State-of-the-art tools identify druggable protein ligand of SARS-CoV-2.	Archives of Medical Science (2020); 16 (3): 497–507 https://www.termedia.pl/S-tate-of-the-art-tools-to-identify-druggable-protein-ligand-of-SARS-CoV-2,19,40234,0,1.html
Abdel-Nasser Kawde MuhammadTaha Raneem SaudAlansari, Noor B Almandil , et al.	Exploring efficacy of indole-based dual inhibitors for α -glucosidase and α -amylase enzymes: In silico, biochemical and kinetic studies	International Journal of Biological Macromolecules (2020) 154: 217-232 https://www.sciencedirect.com/science/article/pii/S0141813020315828
Taha M, Mosaddik A, Rahim F, Ali S, Ibrahim M, Noor Barak Almandil .	Synthesis, antiglycation and Antioxidant potentials of Benzimidazole Derivatives.	Journal of King Saud University Science, (2020);32 (1):191-194 https://doi.org/10.1016/j.jksus.2018.04.003
Sayed AbdulAzeez, Nourah H. Al Qahtani, Noor B. Almandil , Amani M. Al-Amodi, Sumayh Aldakeel, Neda Ghanem, Deem N. Alkuroud, J. F rancis Borgio	Genetic disorder prenatal diagnosis and pregnancy termination practices among high consanguinity population, Saudi Arabia	Scientific Reports (2019) 9:17248 https://doi.org/10.1038/s41598-019-53655-8
Noor B. Almandil , Mohamed Ibrahim, Hossieny Ibrahim, Abdel-Nasser Kawde,	A hybrid nanocomposite of CeO ₂ –ZnO–chitosan as an enhanced sensing platform for highly sensitive	RSC Adv., 2019, 9, 15986 https://pubs.rsc.org/en/content/articlelanding/2019/ra



Ibrahim Shehatta and Sultan Akhtar	voltammetric determination of paracetamol and its degradation product p-aminophenol	/c9ra01587f#!divAbstract
Noor Barak Almandil Muhammad Taha , Rai Khalid Farooq , Amani Alhibshi , Mohamed Ibrahim , El Hassane Anouar, et al	Synthesis of Thymidine Phosphorylase Inhibitor Based on Quinoxaline Derivatives and Their Molecular Docking Study	Molecules 2019: 24(6), 1002 https://www.mdpi.com/1420-3049/24/6/1002/htm
El Hassane Anouar , Moustapha Eid Moustapha, Muhammad Taha , Mohammed Geesi, Zeinab R. Farag, Fazal Rahim, Noor Barak Almandil, et al	Synthesis, molecular docking and β -glucuronidase inhibitory potential of indole base oxadiazole derivatives	Molecules 2019, 24(5), 963 https://doi.org/10.3390/molecules24050963
Noor Barak Almandil, Deem N Alkuroud, AbdulAzeez, S ,J. Francis Borgio, , et al.	Environmental and Genetic Factors in Autism Spectrum Disorders: Special Emphasis on Data from Arabian Studies	International Journal of Environmental Research and Public Health 2019, 16, 658 https://www.mdpi.com/1660-4601/16/4/658
AbdulAzeez, S., Sultana S, Noor Barak Almandil, Borgio, J.F.	The rs61742690 (S783N) single nucleotide polymorphism is a suitable target for disrupting BCL11A-mediated foetal-to-adult globin switching	PLoS ONE 2019; 14(2): e0212492. https://doi.org/10.1371/journal.pone.0212492
Arshia, Farida Begum, Noor Barak Almandil, Muhammad Arif Lodhi, Khalid Khan, et al	Synthesis and urease inhibitory potential of benzophenone sulfonamide hybrid <i>in vitro</i> and <i>in silico</i>	Bioorganic & Medicinal Chemistry, 2019; 27: 1009–1022 https://doi.org/10.1016/j.b



		mc.2019.01.043
<u>Noor Barak Almandil</u> Muhammad Taha1 , Mohammed Gollapalli, et al	Indole bearing thiadiazole analogs: synthesis, β -glucuronidase inhibition and molecular docking study	BMC Chemistry, 2019;13:14 https://doi.org/10.1186/s13065-019-0522-x
Muhammad Taha, Maryam Irshad, Syahrul Imran, <u>Noor Barak Almandil, et al.</u>	Thiazole Based Carbohydrazide Derivatives as α -Amylase Inhibitor and their molecular docking study	Heteroatom chemistry Volume 2019, Article ID 7502347, 8 pages https://doi.org/10.1155/2019/7502347
<u>Noor Barak Almandil,</u> Mohammed Gollapalli, Muhammad Taha et al	Synthesis of novel quinoline-based thiadiazole, evaluation of their antileishmanial potential and molecular docking studies	Bioorganic Chemistry, 2019; 85:109-116 https://doi.org/10.1016/j.bioorg.2018.12.025
Mohammed Gollapalli, Muhammad Taha, Muhammad Tariq Javid, <u>Noor Barak Almandil,</u> et al.	Synthesis of Benzothiazole Derivatives as a potent α -Glucosidase Inhibitor	Bioorganic Chemistry 2019;85: 33-48 https://doi.org/10.1016/j.bioorg.2018.12.021
Fatemah Mohammad Alsaleh, Eman Ali Abahussain, Hamed Hamdi Altabaa, Mohammed Faisal Al- Bazzaz, <u>Noor Barak Almandil</u>	Assessment of patient safety culture: a nationwide survey of community pharmacists in Kuwait	BMC Health Services Research, 2018;18:884 https://doi.org/10.1186/s12913-018-3662-0



Mohamed Ibrahim, Hossieny Ibrahim, Noor Barak Almandil , Abdel-Nasser Kawde.	A novel nanocomposite based on gold nanoparticles loaded on acetylene black for electrochemical sensing of the anticancer drug toptotecan in the presence of high concentration of uric acid.	Journal of Electroanalytical Chemistry 2018, 824 : 22–31 https://doi.org/10.1016/j.jelechem.2018.07.031
Mohamed Ibrahim, Hossieny Ibrahim, Noor Barak Almandil , Abdel-Nasser Kawde.	Gold nanoparticles/f-MWCNT nanocomposites modified glassy carbon paste electrode as a novel voltammetric sensor for the determination of cyproterone acetate in pharmaceutical and human body fluids	Sensors & Actuators: B. Chemical 2018, 274: 123–132 https://doi.org/10.1016/j.snb.2018.07.105
Al-Amodi, AM., Ghanem, NZ., Aldakeel, SA., Al Asoom, LA., Ahmed, NZ., Noor Barak Almandil , Naserullah Z.A., Al-Jarrash, S., Akhtar, MS., AbdulAzeez, S., Al-Ali, A.K., Borgio, J.F.	Hemoglobin A ₂ (HbA ₂) has a measure of unreliability in diagnosing β -thalassemia trait (β -TT)	Current Medical Research & Opinion 2018;34 (5) :15:1-7 https://doi.org/10.1080/03007995.2018.1435520
Al-Shuhaib, MBS., Albakri, AH., Alwan, SH., Noor Barak Almandil , AbdulAzeez, S., Al-Ali, A.K., Borgio, J.F	Optimal pcr primers for rapid and accurate detection of Aspergillus flavus isolates	Microbial pathogenesis. 2018 116: 351-355 https://doi.org/10.1016/j.micpath.2018.01.049
J. Francis Borgio, Sayed Abdulazez, Noor Barak Almandil, et al.	The - α 3.7 deletion in α -globin genes increases the concentration of fetal hemoglobin and hemoglobin A2 in a Saudi Arabian population	Molecular Medicine Reports. 2018;17: 1879-1884 https://doi.org/10.3892/mmr.2017.8033
Noor Barak Almandil , Lodhi R, Ren H, Besag FMC, Rossolatos D, Ohlsen R, Slomp C, Lapetina DL, Plazzotta G, Murray ML, ,	Associations between the <i>LEP</i> -2548G/A Promoter and Baseline Weight and between <i>LEPR</i> Gln223Arg and Lys656Asn Variants and Change in BMI z Scores in Arab Children and Adolescents Treated	Mol Neuropsychiatry. 2018 Oct;4(2):111-117 https://www.karger.com/Article/Abstract/490463



Gringras P, Wong ICK, Aitchison KJ	with Risperidone	
<u>Noor Barak Almandil.</u>	Healthcare professionals' awareness and knowledge of adverse drug reactions and pharmacovigilance	Saudi Med J 2016; Vol. 37 (12) https://dx.doi.org/10.15537%2Fsmj.2016.12.17059
Star K, Iessa N, <u>Noor Barak Almandil</u> Wilton L, Curran S, Edwards R, Wong ICK	Rhabdomyolysis Reported for Children and Adolescents Treated with Antipsychotic Medicines: A Case Series Analysis	J Child Adolesc Psychopharmacol 2012; 22(6):440-451 https://doi.org/10.1089/cap.2011.0134
<u>Noor Barak Almandil.</u> Liu Y, Murray ML, Besag FMC, Aitchison KJ, Wong ICK.	Weight gain and other metabolic adverse effects associated with atypical antipsychotic treatment of children and adolescents: A systematic review and meta-analysis	Paediatr Drugs 2013; 15:139-150 https://doi.org/10.1007/s40272-013-0016-6
<u>Noor Barak Almandil.</u> Wong IC.	Review on the current use of antipsychotic drugs in children and adolescents	Archives of Disease in Childhood - Education and Practice 2011; 96:192-196. http://dx.doi.org/10.1136/archdischild-2011-300054

Human Gene Sequences Submitted to GenBank:

GEO: Gene Expression Omnibus: 73 samples

<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE221098>

GSE221098: GSM6845201 - GSM6845273 Genetic Association study of Autism in Saudi Females using SNP array.

<https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSM6845201>



Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

Rahaf Alhujaily, Ayedah Kaabi, Aqeelah Salman Alfaraj, Norah F Alhur, Sultan Akhtar, Sarah A Almofty, Noor B Almandil, Sayed AbdulAzeez, J. Francis Borgio . Biosynthetic gene clusters identification through genome mining of Bacillus halotolerans for anti-Candida auris potential. At “17th Annual Conference for the Saudi Society of Medical Microbiology and Infectious Diseases” at Shangri La Hotel - Jeddah, Saudi Arabia. On 28 Feb - 02 Mar, 2023.

Rawan Khalid Alaqeel, Aqeelah Salman Alfaraj, Maryam Jawad Alabdullah, Hind S Alsuwat, Dr Sarah Almofty, Dr Sultan Akhtar, Dr Reem AlJindan, Dr Noor B Almandil, Dr Sayed AbdulAzeez, Dr J. Francis Borgio. Unearthing novel bacteria with anti-Candida activity against multidrug-resistant Candida auris through molecular genetics and cytotoxicity analysis. At The Annual Conference of SPS entitled (SIPHA: Saudi International Pharmaceutical Sciences Meeting& Workshops), Dhahran Expo-Dammam. held on 3 to 5 January 2023.

Ghadah AlQarni, Manar Abufour, Shahad AlAli, Norah F Alhur, Noor B Almandil, Dana Almohazey, Sultan Akhtar, Nourah H Al Qahtani, Fahd M AlShehri, Sayed AbdulAzeez, J. Francis Borgio. “Molecular and Microscopic Methodologies to Distinguish Fetal Nucleated Red Blood Cells and RBCs in Early Pregnancy”. At “KAIMRC-ER 10th Research day at KSAU-HS Convention Center, King Saud Bin Abdulaziz University for Health Sciences – Al AHSA”. On 22 December 2022.

Ahmed A Al yateem, Bader S Alsoo, Norah Fahad Alhur, Sarah Ameen Almofty, Noor B Almandil, Nourah H Al Qahtani, Fahd M. AlShehri, J Francis Borgio, Sayed AbdulAzeez . Direct Cell Multiplex PCR for Detecting Gender and Gene Variation in Early Pregnancy. At "college of medicine research and innovation day, at Imam Abdulrahman Bin Faisal University, college of medicine - Eastern Province, Saudi Arabia. On 16th of November 2022.

Maraam M. Al Qout, Sadeem S. Alrubaian, Norah F. Alhur, Noor B. Almandil, Abdulla AlSulaiman, Sayed AbdulAzeez, J. Francis Borgio. OR12D2 Gene Variations in Children with Autism Lower the Risk of Developing Attention Deficit Hyperactivity Disorder. “7th Health Professions Conference at King Saud Bin Abdulaziz University for Health Sciences – Riyadh, Saudi Arabia. On 25 to 27 December 2022.

Maraam M. Al Qout, Sadeem S. Alrubaian, Norah F. Alhur, Noor B. Almandil, Abdulla AlSulaiman, Sayed AbdulAzeez, J. Francis Borgio. Variants in Olfactory Receptor Family 12 Subfamily D Member 2 Gene Lower the Susceptibility to ADHD among Children with Autism. “2nd Pediatric Research Day Conference at King Saud University – Riyadh, Saudi Arabia. On 7th Feb 2023

Received 1st Place during the Poster Presentation. Presented by Students Remah Alzayyat, Sarah Althuwaiqeb, Sukaina Aldamen, Batoul Alqahtani, Norah F Alhur, Under the Mentorship of Dr Nourah H Al Qahtani, Dr. Noor Almandil, Dr Sayed AbdulAzeez, Dr J. Francis Borgio. Novel Multiplex PCR for Non-Invasive Early Fetal Gender Determination. At “6th HEALTH PROFESSIONS CONFERENCE 2022, at King Saud Bin Abdulaziz University for Health Sciences – Al Ahsa, Saudi Arabia. On 25 to 27 Jan 2022

Received 1st Place and Cash Award of 6000 SAR for the E-Poster “Characterization of Fetal Nucleated Red Blood Cells in Early Pregnancy Using Microscopic and Molecular Techniques” At “IAU-College of Medicine Research & Innovation day” held at the College of Medicine at Imam Abdulrahman Bin Faisal University, on 16 Nov 2022. Presented by Ms Ghadah AlQarni, Ms Shahad AlAli, Ms. Manar Abufour, Under the Mentorship of Dr J. Francis Borgio and Dr



Noor B Almandil with the support from Dr Norah F Alhur, Dr. Dana Almohazey, Dr. Nourah H Al Qahtani, Dr. Fahd M AlShehri, and Dr Sayed AbdulAzeez.

Amjad Alalyani , Meznah Alhuwais, Sarah Rebhan , Dhafer Alshayban , Almandil NB. Healthcare Providers Knowledge, Awareness and Perception toward the Implementation of Pharmacogenomics Testing in Clinical Practice in Eastern Province — A survey. Dubai International Pharmaceutical & Technology Conference & Exhibition (DUPHAT), Dubai, UAE. 27th February to 1st March 2018

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Almandil NB, Rossolatos D, Slomp CJ, Ohlsen RI, Murray ML, Al-Sulaiman AA, Gringras P, Besag FMC, Aitchison KJ, Wong, ICK. Accepted for oral presentation to Canadian College of Neuropsychopharmacology 37th Annual Meeting, Banff, Canada, June 18-21, 2014. <https://ccnp.ca/>

Almandil NB, Ruth Ohlsen, Macey L Murray, Frank MC Besag, Katherine J Aitchison, Ian CK Wong. Factors Influencing Weight Gain in Young People Treated with Antipsychotics. Oral presentation at the 8th Asian Conference on pharmacoepidemiology (ACPE), Hong Kong SAR, China – 26-27 October 2013.

Star K, Almandil NB, Wong ICK, Strandell J, Edwards R. Individual case safety and useful clinical information. Poster presentation at the International Society of Pharmacovigilance (ISOP), Istanbul, Turkey - 26th 28th October 2011.

Completed Research Projects



#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Dr. Noor Almandil (PI), DSR 128,515 SR	Healthcare Professionals Awareness and Knowledge of Adverse Drug Reactions and Pharmacovigilance.	2015
2	Dr. Noor Almandil (PI), Dr. J. Francis Borgio Dr. Abdullah Al-Suleiman and Dr. S. AbdulAzeez, DSR, 16,400 SR	Changes in the molecular pathways and genetic makeup in Saudis with Autism spectrum disorder.	2016
3	Dr. Noor Almandil (PI), Dr. J. Francis Borgio, Dr. Abdullah Alsuliman and Dr. S. AbdulAzeez Fund: DSR 79,000 SR	Identification of RNA Markers for Early Diagnosis of Saudi Autistic Children	2017
4	Dr. Noor Almandil (PI), Dr. J. Francis Borgio, Dr. Abdullah Alsuliman and Dr. S. AbdulAzeez Fund: DSR 200,000 SR	Sorting Proteomic Salivary Biomarkers in Saudis with Autism Spectrum Disorder	2018
5	Dr. Mohamed Ibrahim, Dr. Mosaddik, Ashik, Dr.Noor Almandil, , Dr. Muhammad Taha Fund: DSR 199,800 SR	Development of Novel Electrochemical Sensors for Anticancer Drugs Trace Determination and their Interactions with DNA Reveals the Future of Cancer Diagnostics	2020

Current Researches

#	Research Title	Name of Investigator(s)
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	External // Project Number: k1600 Title: In silico screening, molecular docking and dynamic simulations drugs to inhibit mutated PCSK9 for treating atherosclerotic cardiovascular disease. Agency: King Abdullah University of Science and Technology KAUST, Saudi Arabia.	Dr S.AbdulAzeez (PI); Dr. Noor AlMandil (Co-I); Dr J Francis Borgio (Co-I)
1	Isolation of fetal cells from coelomatic fluid for early prenatal diagnosis of genetic diseases	Dr. J. Francis Borgio Dr. Noor Almandil , Dr. Jermy Rabindran, Dr. Nourah Alqahtani and Dr. S. AbdulAzeez Fund: DSR 845,500 SR
2	In silico screening of drug structural analogs of the natural compounds with improved binding to leptin, fat mass and obesity associated protein	Dr. J. Francis Borgio Dr. Noor Almandil , Dr. Jermy Rabindran, Dr. Dr. S. AbdulAzeez Fund: DSR 52,600 SR

Contribution to Scientific Conferences and Symposia

Conference Title	Place and Date of the Conference	Extent of Contribution
Core competencies course	IAU 18-21 September 2022	attendant
1ST Meeting Of The Saudi Society For Oncology Research (SSOR 2022)	Sheraton Dammam & Convention centre-September 2022	attendant
Preventing faculty burnout: recover the joy of teaching	IAU-September 2022	attendant
Enhancing Learning through the use of Technology	IAU-September 2022	attendant
Using Action Research in Teaching and Assessment	IAU-September 2022	attendant
Facilitating Metacognitive Strategies in the Classroom	IAU-August 2022	attendant
الهندسة الاجتماعية	IAU-August 2022	attendant
نظام الجرائم الإلكترونية السعودي	IAU-August 2022	attendant
القيادة الاستراتيجية	IAU / مركز القيادة	attendant
ورشة عمل مبادرة خدمة تصنيف منتج مبتكر للمخترعين	Zoom lecture by Ministry of Education 2020	attendant



هندسة الذاكرة	IAU-November 24 th -25 th 2019	attendant
Boosting Innovation and Entrepreneurship in University Education	IAU-November 13 th -14 th 2019	attendant
Animal Care and Use in Scientific Research	IAU- March 21 st 2019	attendant
Implementing Project Based Learning in Higher Education	IAU- November 14 th -15 th 2018	attendant
Accountability in higher education	Academic Leadership Development –Ministry of Education Holiday Inn-Khobar October 14 th 2018	attendant
Developing a Plan for Academic Program Assessment	IAU-September 20 th 2018	attendant
Author Workshop in Scholarly Publishing / IAU & Elsevier Strategic Partnership	IAU-December 20 th 2017	attendant
The Scientific and High Performance Computing workshop	IAU-December 10 th 2017	attendant
Mentoring Training	IAU-November 1 st -2 nd 2017	attendant
Research publishing strategies" & Bibliometric Indicators and Research evaluation workshop	IAU-October 11 th 2017	attendant
Control of Biohazards Course- Richard W Gilpin, Baltimore/Maryland	IAU-March 19 th -22 nd 2017	attendant
Health Innovations Leadership Summit	IAU-March 13,2017	attendant
Genetics and Diseases	King Abdulaziz City for Science and Technology -KACST-November 24,2016	attendant
Incites: performance evaluation: Reports generation. University of Dammam/Thomson Reuters.	IAU-May 5, 2016.	attendant
Research Methodology. University of Dammam/Thomson Reuters.	IAU-October 12th, 2016.	attendant
How to prepare for a conference. University of Dammam/Thomson Reuters.	IAU-October 5th, 2016.	attendant
Women Leadership in Higher	Academic Leadership	attendant



Education	Development –Ministry of Education- Crown Plaza Hotel- 9 th October,2016	
Questioning Strategies and Leading Discussions in the Classroom	IAU-April 26,2016	attendant
Developing Core Competencies in Teaching and Learning in Higher Education	March 30 - April 4, 2016 from 8:00 am – 3:00 pm	attendant
Situation Analysis and Orientation	University of Dammam, 25-May 2015	attendant
Communication Skills for Lecturers and University Teachers	University of Dammam, May 2015	attendant
On the Pathway for Quality Assured Research Workshop	University of Dammam, January 2015	attendant
Teaching for Creativity and Innovation Workshop	University of Dammam, 17 th -20 th November 2014	attendant
Hot topics in molecular research	University of Dammam, 26 th October 2014	attendant
The Training Course for Members of Local Committees of Research Ethics	University of Dammam, 10 th April 2014	attendant
Research Methodology and Research Integrity	University of Dammam, 2014	attendant
New Therapies in Sickle Cell Anemia	King Fahd Hospital of the University, University of Dammam, 24-2-2014	attendant
Improving children's health: the power of routine data	University College London, London, UK, 2013	attendant
Workshop series on Fundamentals of Teaching in Higher Education for teaching assistants: 5 day course.	University College London, 2012	attendant
Introduction to Molecular Methods in Functional Genomics at the SGDP Summer School workshop	The Institute of Psychiatry, King's College London, July 2010	attendant
Introduction to Research Methods and Statistics : 5 day course	Institute of Child Health, University College London, 2009	attendant

Membership of Scientific and Professional Societies and Organizations

- American College of Clinical Pharmacy.



- Saudi Society for Oncology Research (DAEM): (M22-0078)

Contribution to Scientific Journals as a Reviewer or as a Member in the Editorial Board

	Type of Contribution	Journal	Institution	Country	From	To
1	Associate Editor	Saudi Pharmaceutical Journal	King Saud University	Saudi Arabia	December 2021	Till date
2	Editorial board	EC Psychology and Psychiatry	E-Cronicon	UK	September 2017	2020

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Pharmacogenomics	CLPH 514	Course Co-ordinator Lectures given to 4 th year Pharmacy students (54 male/female students). College of Pharmacy, Imam Abdulrahman Bin Faisal University

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Pharmacogenomics (CLPH 514)

This course is designed to introduce students to the role of genetics in drug responses and applications to pharmacy practice. The course covers the genetic basis of human genetics and genetic variability in drug response that can contribute to drug efficacy and toxicity, adverse drug reactions and drug-drug interactions. Also included are genomic variations among human beings, web resources for bioinformatics, applications of genomics in human health and complex diseases, pharmacogenomics of drug metabolizing enzymes, pharmacogenomics of drug transporting proteins and drug receptors, pharmacogenetics of drug metabolism and its clinical applications, pharmacogenomics of drug interactions and their adverse effects, cancer pharmacogenomics and pharmacogenomics in drug discovery and development.



Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Research Methods & Scientific Writing	MSNE-891 MSBE-891	MSc Biotechnology & Nanotechnology Lectures given (both tracks). Institute for Research and Medical Consultations (IRMC). Imam Abdulrahman Bin Faisal University
2	Research Thesis	MSBE-894	Institute for Research and Medical Consultations (IRMC). Imam Abdulrahman Bin Faisal University

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	The aim of this unit is to provide learners with the skills needed to conduct research of sufficient quality and rigor that enables it to be useful for decision making at postgraduate level. It concentrates on the acquisition of key skills, such as writing and presentation, and on research methodologies, bibliographic compilation, quantitative and qualitative analysis. The objectives of the units are to support learners with an introduction to research methodology and independent research skills, key empirical and analytical skills that will facilitate disciplinary and interdisciplinary research. This unit will also help learners in improving their academic writing skills, the ability to give and receive constructive feedback and to act constructively upon it. This unit provides learners with comprehensive knowledge and understanding of methodological issues in research. To understand the type of research such as lab-based, survey research, clinical research, and scientific writing, and be able to know how to write their required proposals, thesis and manuscript.
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Course Coordination

#	Course Title and Code	Undergrad.	Postgrad.	From	To
	Pharmacogenomics (CLPH 514)	√		2019	2020



Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Saudi Aramco-Research Science Initiative (SARSI) Projects, As Coordinator Centre of Excellence of Education- Saudi Aramco	30	June 7 th 2015	July 9 th 2015
2	Training/ Volunteering program for clinical pharmacy students	17 (up to date)	June 4 th 2017	Till Date
3	Supervising clinical pharmacy students undergraduate graduation project	4	September 2017	Till Date
4	IRMC-Summer Research Programs	12	July 18 th 2022	September 1 st 2022

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	MSc	Efficacy and safety of tocilizumab in COVID-19 patients: A retrospective observational study	IRMC (Internal Examiner)	2021
2	MSc	Identifying Pathogenic Variations on Early Pregnancy Stage Using Invasive and Non-Invasive Prenatal Samples	IRMC (Examiner)	2022

On-going Research Supervision



#	Degree Type	Title	Institution	Date
1	MSc	Exploring the secondary metabolites of <i>Bacillus amyloliquefaciens</i> against multidrug-resistant <i>Candida auris</i> through genome mining and optimising the production process	IRMC (Co-Supervisor)	TBA
2	MSc	Developing new drug against multidrug resistant <i>Candida auris</i> by Genome mining from marine bacteria	IRMC (Main Supervisor)	Completed November, 2023

Administrative Responsibilities, Committee and Community Service

Administrative Responsibilities

#	From	To	Position	Organization
1	January 2018	Till Date	Lab Coordinator for the Clinical Pharmacy Research Department	IRMC-Imam Abdulrahman Bin Faisal University

Committee Membership

#	From	To	Position	Organization
	31 st December 2023	Till Date	Deputy head safety and occupational health policy and procedures	IRMC
	7 th , December 2023	Till Date	Head of committee IRMC Laboratory Assessment Task Force	IRMC
	February 2020	Till Date	Member Technical Committee for Research and Development at the University	Imam Abdulrahman Bin Faisal University
	November 2019	2021	Head of Public Relations Committee	IRMC-Imam Abdulrahman Bin Faisal University
	20 th May 2018	2019	TOT Program	Deanship of Academic Development- Imam Abdulrahman Bin Faisal



				University
	May 2015	2016	Member of the Accreditation and Rehabilitation of the University Laboratories as a National Reference	Imam Abdulrahman Bin Faisal University

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Community Service

#	From	To	Type of Volunteer	Organization
	5 th July 2023	17 th August 2023	Co-mentor in the IRMC	Summer Research Program-2023
	15 th May 2023	24 th May 2023	Member of the Admission Interview Panel	IRMC Summer Research Program-2023
	10 th July 2023	10 th July 2023	Invited guest speaker	IRMC Summer Program
	1 st August 2022	1 st August 2022	Invited guest speaker	IRMC Summer Program
	August 2022	2022	Member of the Admission Interview Panel	IRMC Summer Program
	2022	2022	Invited guest speaker	MSc Research seminar
	28 th January 2020	12 th April 2020	Faculty Mentorship Certification Program (FMCP)-Mentor	Deanship of Academic Development- Imam Abdulrahman Bin Faisal University
	14 th February 2018	14 th May 2018	Faculty Mentorship Certification Program (FMCP)-Mentor	Deanship of Academic Development- Imam Abdulrahman Bin Faisal University
	4 th January 2018	4 th January 2018	Participated at Psoriasis Awareness Day	Dammam Central Hospital-Ministry of Health



Web links IDs:

<http://orcid.org/0000-0002-7049-3563>

<https://www.scopus.com/authid/detail.uri?authorId=43061058200>

<http://www.researcherid.com/rid/A-3533-2015>

<https://scholar.google.com/citations?user=Aftvv54AAAAJ&hl=en>

<https://sciprofiles.com/profile/820989>

Last Update

11/01/2024
