Dr Neda Mustafa Bogari
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Personal Details	Date of Birth: 27/3/75 Nationality: Saudi
2018 April	**Associate Professor of Genetics**, Department of Medical Genetics, Umm AlQura University, Makkah, Saudi Arabia
2011-2018	**Academic coordinator-** Department of Medical Genetics, Umm AlQura University, Makkah, Saudi Arabia
2012 –2014	**Vice-Dean of Institute of Consulting Research** and studies for scientific chairs, Umm AlQura University, Makkah, Saudi Arabia
2009-2018	**Assistant Professor of Genetics**, Department of Medical Genetics, Umm AlQura University, Makkah, Saudi Arabia

Education

April 2002- January 2008	**PhD Human Genetics,** University of Southampton**,** Subject: Cardiovascular Genetics**,** Project: A study of the relationship between ABCA1 genes polymorphisms, plasma lipid levels and risk of atherosclerosis
September- December 2007 Training (First Semester MSc Forensic Genetics)	**DNA Profiling and population Genetics and Current Issues in Genomic Research / Forensic Genetics,** Faculty of applied sciences, University of the west of England, Bristol.
1994-2001	**Bachelor in Medical Sciences**, College of Medicine, Umm AL-Qura University, Makkah, Saudi Arabia.

Publications

2020	**The co-existence of ADHD with autism in Saudi children: An analysis using next-generation DNA sequencing**. **Neda M. Bogari**, Faisal A. Al-Allaf, Ashwag Aljohani, Mohiuddin M. Taher, Nermeen A. Qutub, Suhair H. Alhelfawi, Amal Alobaidi, Derar M. Alqudah, Hussain Banni, Ghida Dairi and Amr A. Amin **Received:** 15 Jun 2020; **Accepted:** 17 Nov 2020. Frontiers in Genetics- Neurogenomics
2020	**GFRvIII expression and isocitrate dehydrogenase mutations in patients with glioma.** Mohiuddin M. Taher Ghida Dairi Ejaz Muhammad Butt Khalid Al-Quthami Hisham Al-Khalidi Raid A. Jastania Tahani H. Nageeti Neda M. Bogari Mohammad Athar Faisal A. Al-Allaf Kristoffer Valerie, ONCOLOGY LETTERS 20: 384, 2020, Received April 4, 2020; Accepted October 2, 2020
2020	**Correlation between rs320 variant in the lipoprotein lipase gene and presence of coronary artery disease and stroke among the Saudi population. Neda M. Bogari**, Ashwag Aljohani, Anas Dannoun, Osama Elkhateeb, Masimo Porqueddu, Amr A. Amin, Dema N. Bogari, Mohiuddin M. Taher, Faruk Buba, Reem M. Allam, Mustafa N. Bogari, and Francesco Alamanni. Saudi J Biol Sci. 2020 Aug; 27(8): 2018–2024
2020	**Molecular Dynamics Simulation Reveals Exposed Residues in the Ligand-Binding Domain of the Low-Density Lipoprotein Receptor that Interacts with Vesicular Stomatitis Virus-G Envelope.** Al-Allaf FA, Abduljaleel Z, Taher MM, Abdellatif AAH, Athar M, **Bogari NM**, Al-Ahdal MN, Al-Mohanna F, Al-Hassnan ZN, Alzabeedi KHY, Banssir TM, Bouazzaoui A. Viruses. 2019 Nov 15;11(11).
2020	**Genetic construction between polycystic ovarian syndrome and type 2 diabetes.** **Bogari NM.**Saudi J Biol Sci. 2020 Oct;27(10):2539-2543. doi: 10.1016/j.sjbs.2020.05.004. Epub 2020 May 8.
2020	**Association between HindIII (rs320) variant in the lipoprotein lipase gene and the presence of coronary artery disease and stroke among the Saudi population. Neda Bogari**, Ashwag Aljohani, Anas Dannoun, Osama Elkhateeb, Masimo Porqueddud, Amr A. Amin, Dema N. Bogari, Mohiuddin M.Taherai, Faruk Bubaj, Reem M. Allamk, Mustafa N. Bogari, Francesco Alamanni. Saudi Journal of Biological Sciences. 2020 Aug;27(8):2018-2024. doi: 10.1016/j.sjbs.2020.06.029. Epub 2020 Jun 24.PMID: 32714026
2020	**Whole exome sequencing detects novel variants in Saudi children diagnosed with eczema.** **Bogari NM**, Amin AA, Rayes HH, Abdelmotelb A, Al-Allaf FA, Dannoun A, Al-Amodi HS, Sedayo AA, Almalk H, Moulana A, Balkhair R, Jambi F, Madani F, Abutalib M, Taher MM, Bouazzaoui A, Aljohani A, Bogari MN, G K UR, Fawzy A, Alharbi KK, Ali Khan I.J Infect Public Health. 2020 Jan;13(1):27-33. doi: 10.1016/j.jiph.2019.05.020. Epub 2019 Jun 15.
2019	**Molecular Dynamics Simulation Reveals Exposed Residues in the Ligand-Binding Domain of the Low-Density Lipoprotein Receptor that Interacts with Vesicular Stomatitis Virus-G Envelope**. Al-Allaf FA, Abduljaleel Z, Taher MM, Abdellatif AAH, Athar M, **Bogari NM**, Al-Ahdal MN, Al-Mohanna F, Al-Hassnan ZN, Alzabeedi KHY, Banssir TM, Bouazzaoui A.Viruses. 2019 Nov 15;11(11):1063. doi: 10.3390/v11111063.
2019	**Exome Sequencing Studies for Kids with Non-Familial Food Allergy. Neda M Bogari**, Amr A Amin, Husni H Rayes, Ahmed Abdelmotelb, Faisal A. Al- Allaf, Anas Dannoun, Mamdouh S Alhazmi, Saed A Basardah, Mohiuddin M Taher, Udaya Raja GK, Ashwag Aljohan, Soud Abdulraof A Khogeer, Mohamed Mahmoud Nour Eldein, Mohammad Adil, Mustafa Bogari, Imran Ali Khan, Khalid Khalaf Alharbi and Ahmed Fawzy Genet. Mol. Res. 18 (3)
2019	**Genetic biomarkers predict susceptibility to autism spectrum disorder through interactive models of inheritance in a Saudi community,** Nasser A. Elhawary, Mohammed T. Tayeb, Ikhlas A. Sindi, Nermeen Qutub, Mona Rashad, Ahmad Muftia, Arwa H. Arab, Asim Khogeer, Ezzeldin N. Elhawary, Anas Dannoun and **Neda Bogari**, Cogent Biology, Published: 16 April 2019

2019	**Whole Exome Sequencing Reveals Multiple Mutations in Uncommon Genes of Familial Hypercholesterolaemia,** Mohammad Athar1,2, Faisal Amhed Al-Allaf1,3, Fahad Alnouri4 , Mohiuddin Mohammed Taher1,2, Abdellatif Bouazzaoui1,2, **Neda Mustafa Bogari**, Wafa Mohammed Elbjeirami3, Hani Saleh Faidah5 , Zainularifeen Abduljaleel1,2,* J Cardiovasc Disease Res., 2018; 9(4):x-x
2019 eBook	**Vaccine-Drug interaction,** eBook- chapter 1**,** El Rashedy AA, **Bogari N**, Maha A Hassan and Fawzy A, Humman Vaccines, avidscince.
2019	**Whole Exome Sequencing: Novel Genetic Polymorphisms in Saudi Arabian Attention Deficit Hyperactivity Disorder (ADHD) Children. Neda Mostafa Bogari**, Amr Ahmed Amin, Ashwag Aljohani, Ghida Dairi, Mahmoud Zaki El-Readi, Anas Dannoun, Udaya Raja, Mohammad Adil, Nermeen Qutub, Suhair Alhelfawi, Amal Alobaidi, Derar Alqudah, Hussain Banni, Safaa Yehia Eid, Huda Balto, Faisal Al-Allaf, Mohiuddin Taher, Hiba Saed Al-Amoodi, Ahmed Fawzy
2019	**The Genetic Variant c.553G>T in the Lipoprotein A5 Effects on Lipid Profile Parameters Levels** Neda M. Bogari, Ashwag Aljohani, Amr A. Amin, Faisal A. Al-Allaf, Anas Dannoun, Mohiuddin M. Taher, Atalla Elsayed, Dareen Ibrahim Rednah, Osama Elkhatee, Massimo Porqueddu, Francesco Alamanni, Ahmed Fawzy World Journal of Cardiovascular Diseases Vol.9 No.2
2019	**Identification of six novel factor viii gene variants using next generation sequencing and molecular dynamics simulation**. Al-Allaf FA, Abduljaleel Z, **Bogari NM**, Owaidah TMA, Taher MM, Athar M, Elsendiony A, Abalkhail H, Abdellatif A, Elbjeirami W, Bouazzaoui A. Acta Biochim Pol. 2019 Feb 22;66(1):23-31
2019	**A genetic variant c.553G > T (rs2075291) in the apolipoprotein A5 gene is associated with altered Triglycerides levels in Coronary artery disease (CAD) patients with lipid lowering drug** Neda M. Bogari, Ashwag Aljohani,Amr A. Amin, Faisal A. Al-Allaf,Anas Dannoun,Mohiuddin M. Taher, Atalla Elsayed, Dareen ibrahim Rednah, Osama Elkhatee, Massimo Porqueddu, Francesco Alamanni, Soud Abdulraof A. Khogeer, and Ahmed Fawzy. BMC Cardiovascular Disorder, 2019; 19: 2
2018	**Pattern of Thyroid Lesions in Western Region of Saudi Arabia: A Retrospective Analysis and Literature Review.** Saeed MI, Hassan AA, Butt ME, Baniyaseen KA, Siddiqui MI, Bogari NM, Al-Allaf FA, Taher MM. J Clin Med Res. 2018 Feb;10(2):106-116
2018	**Identification of a Novel ATM Missense Mutation by Next Generation Sequencing in Choroid Plexus Papilloma** Poster: AMP Europe 2018, Rotterdam, April 30-2 May
2018	**Next Generation Sequencing on Ion Proton for Mutation Detection in Brain Tumors: Development of Molecular Pathology Assays in the Kingdom of Saudi Arabia** Poster: AMP Europe 2018, Rotterdam, April 30-2 May
2017	**Molecular Analysis of Factor VIII and Factor IX Genes in Hemophilia Patients: Identification ofNovel Mutations and Molecular Dynamics Studies** ،Faisal A. Al-Allaf, Mohiuddin M. Taher,ZainularifeenAbduljaleel, AbdellatifBouazzaoui, Mohammed Athar, **Neda M. Bogari**, Halah A. AbalkhailTarek MA. Owaida ،Journal of Clinical Medicine Research9,4، April 2017, 317-331
2016	**Antisense Oligonucleotide Tool in Therapy for Polyglutamine Neurodegenerative Disorders,** eBook , **Bogari N** and Fawzy A, Genome Engineering, smgbooks.
2016	**Drug Design Targeting RNA,** eBook**,** El Rashedy AA, **Bogari N** and Fawzy A, Genome Engineering, smgbooks.
2016	**Obesity is associated with cardiac disease and the apolipoprotein A5 gene a genetic variant c.553G > T in is associated with an increased risk of coronary artery disease**, **Poster**, Obesity and chronic diseases, 25-27 July 2016 las Vegas USA.
2016	**VULNERABILITY OF GENETIC VARIANTS TO THE RISK OF AUTISM AMONG SAUDI CHILDREN**, Tranlational Genomics Human Genome Meeting, **Poster**, 28 February-2 March 2016. Houston, USA
2016	**Prediction of Hepatic Fibrosis in Patients with Chronic Hepatitis C Genotype 4: A Non-Invasive Biochemical Analysis.** Amr Amin, Mohammed Mukhtar, EssamNoor Eldin, Fahd Gethami, Fayez Hafez, Sameer Fatani, Neda Bogari, Mohammed Noor Eldin, Abdullatif Babakr, SoudKhogeer and Ahmed Fawzy. Biosciences Biotechnology Research Asia 13(1):287-297.
2016	**Impact of next generation sequencing in glucose-6-phosphate dehydrogenase deficiency studies. Neda Bogari.** Bioinformation, 2016
2015	**Molecular Genetic Diagnosis for a Family with Type I Spinal Muscular Atrophy (SMA) via analysis of Survival Motor Neuron (SMN) Gene**. **Neda M Bogari**, Fareed R Bogari, Husni H Rayes, Noha M Alqassimi, Huda M Balto, Anas I Dannoun, Raneem H Abushanab, Amr Ahmed Amin, SoudAbdulraofAKhogeer, Rami Nassir, Azza M Abdel-Latif, Ahmed Fawzy. Journal of Rare Disorders: Diagnosis & Therapy. 2015;1 3:21
2015	**A novel SNP in 3' UTR of INS gene: A case report of neonatal diabetes mellitus. Bogari NM**, Rayes HH, Mostafa F, Abdel-Latif AM, Ramadan A, Al-Allaf FA, Taher MM, Fawzy A. Diabetes Res ClinPract. 2015 Jul 10
2015	**No association of apolipoprotein B gene polymorphism and blood lipids in obese Egyptian subjects**. **Bogari NM**, Abdel-Latif AM, Hassan MA, Ramadan A, Fawzy A.J Negat Results Biomed. 2015 Mar 18;14(1):7 PMID: 25889118
2014	**Apolipoprotein B (XbaI) allele frequencies in an Egyptian Population: impact onblood lipids.** Neda M. Bogari ,Azza M. Abdel-Latif and Maha A. Hassan , Ahmed Fawzy,Int J Biol Med Res. 2014; 5(2): 3981-3987
2014	Transporter TAP1-637G and Immunoproteasome PSMB9-60H Variants Influence the Risk of Developing Vitiligo in the Saudi Population Nasser AttiaElhawary, Neda Bogari, EssamHussienJiffri, Mona Rashad, AbdulhamidFatani, Mohammed Tayeb Dis Markers. 2014; 2014: 260732. Published online 2014 December 7. doi: 10.1155/2014/260732PMCID: PMC4273470
2013	**Genetic Polymorphisms of Glutathione S-Transferase Genes and Risk of Colorectal Cancer in the Saudi Population**Mohammed T. Tayeb1, Ahmad O. Babalghith 1, Ahmed Fawzy2, Suleiman Jastaniah3, **Neda M. Bogari**UQU Med. J Vol. 4, No.2, pp. 61-71 (2013)
2013	**The MTHFR 677T Allele May Influence the Severity and Biochemical Risk Factors of Alzheimer's Disease inan Egyptian Population.**Elhawary NA, Hewedi D, Arab A, Teama S, Shaibah H, Tayeb MT, **Bogari N**. PMID: 24223459

2011	**Null genetic risk of ACE gene polymorphisms with nephropathy in type 1 diabetes among Egyptian population**. Elhawary N, **Bogari N**, Rashad M, Tayeb M. The Egyptian journal of Medical Human Genetics 2011 ;12: 187-192.
2010	**Molecular updating of β-thalassemia mutations in the Upper Egyptian population**. Jiffri EH, **Bogari N**, Zidan KH, Teama S, Elhawary NA. Hemoglobin. 2010;34(6):538-47.
2007	Functional polymorphism in ABCA1 influences age of symptom onset in coronary artery disease patients, Human molecular genetics, Kyriakou T1, Pontefract DE, Viturro E, Hodgkinson CP, Laxton RC, Bogari N, Cooper G, Davies M, Giblett J, Day IN, Simpson IA, Albrecht C, Ye S. 2007 Jun 15;16(12):1412-22PMID: 17412755

Grand

2016	Biochemical and Genetic study of Attention Deficit Hyperactivity Disorder (ADHD) in Saudi Arabia children by **Deanship of Scientific Research UQU**
2014	*Genetic determinants for allergy and asthma in a Saudi Arabian population***by King Abd-Elaziz for science and technology**
2013	*Susceptibility of candidate genes to the risk of autism among* **by King Abd-Elaziz for science and technology** *Saudi children*
2012	A study of the association of the R219K polymorphism in the ATP-binding cassette transporter A1 (ABCA1) gene with atherosclerosis, coronary artery disease and hyperlipidaemia in a Saudi Arabian population **by Institute of Scientific research, Umm-Alqura university**
2012	Gene polymorphisms associated with vitiligo in Saudi community **by Institute of Scientific research, Umm-Alqura university**
2011	Study of genetic mutations tumor necrosis gene for pilgrims in Mecca and the holy sites by **Custodian of the Two Holy Mosques Institute for Hajj Research**.

Relevant Industrial Experience

2016	**One Year University of Southampton,** Southampton**,** UK **Professor John Holloway** Lab
18 June 2013	**One month Johns-Hopkins Medical School,** Baltimore, MD, USA **Professor Barbara Sollner**-Webb Lab
18 June 2011	**Two month Johns-Hopkins Medical School,** Baltimore, MD, USA **Professor Barbara Sollner**-Webb Lab
2011-2018	**Academic Coordinator** of Genetic department of the first year foundation, Umm AlQura University, Makkah, Saudi Arabia
2011-2017	**Academic Coordinator** of Genetic department, Umm AlQura University, Makkah, Saudi Arabia
2010-2015	**Quality Coordinator**, School of Medicine, Umm AlQura University, Makkah, Saudi Arabia
2001	Three month AL Hada Armed Forces Hospital
2001	Three month Hera General Hospital
2000	Two month Toxicology Center Makkah
1999	Two month Toxicology Center Makkah

Conference, Workshops & Courses

25-27/07/2016	***Obesity is associated with cardiac disease and* the apolipoprotein *A5 gene a genetic variant c.553G > T in is associated with an increased risk of coronary artery disease,*** Obesity and Chronic Diseases,Las Vegas USA
28/02/2016	**VULNERABILITY OF GENETIC VARIANTS TO THE RISK OF AUTISM AMONG SAUDI CHILDREN,** Human Genome Meeting (HGM 2016), Huston USA
17-18 Sep 2009	**Genetics of Complex Diseases**, British Atherosclerosis Society, Queens College, Cambridge, UK
25- 27 July 2006	**Introductory Statistics for Biologists**, University of Oxford
17- 20 July 2006	**Techniques & Applications of Molecular Biology**A Course for Medical Practitioners, University of Warwick
23-24 June 2006	**High Density Lipoproteins**: from basic science to therapeutic applications, the XIV international Symposium on Atherosclerosis. Parma, Italy
18- 22 June 2006	**The XIV international Symposium on Atherosclerosis**, Rome, Italy
15 May 2006	**Genetic advances in adult and pediatric cardiology**, The Royal Society of Medicine, London
18-19 April 2005	**Clinical Molecular Genetics Society Conference**, Post graduate Medical Centre, Salisbury District Hospital, R/N:148
14 April 2005	**Statistical Tools for Chemists**, LGC, London
1-2 February 2005	**Professional Skills,** Biological Sciences University of Southampton
25-26 May 2004	**Presentationin** Faculty Postgraduate Conference, Southampton General Hospital, **(A study of ABCA1 gene variations in relation to coronary artery disease)**
26th June 2003	**Poster in** Faculty Postgraduate Conference, Southampton General Hospital, **(Variation in the ABCA1 gene and atherosclerosis)**
2001	**Total Quality Management** Basic Concepts, AL Hada Armed, Forces Hospital, KSA
2001	**Total Quality Management in Health Care**, AL Hada Armed, Forces Hospital, KSA

2001	**Rift Valley Fever**, AL Hada Armed, Forces Hospital, KSA
Working	
2006-2007	**Head teacher**, Saudi Student School, Southampton
1997-2001	South Asia Institute of Hajj
Membership	
Since 2002	British Society for Genetic Medicine, Membership number: 23123
Since 2002	Association for Clinical Genomic Science, Membership number: P0001353
Since 2009	European Society of Human Genetics, Membership number: 3591
Since 2017	The American Society of Human Genetics, Membership number: 354862
Since 2018	Genetics Society, Membership number: P0004915