
Dr. Lina Mohammed Ateeq AlNeghery

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Current Address: Riyadh, Saudi Arabia

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Personal Information

Nationality: Saudi

Marital Status: Married

Date of Birth: 1981

Education

King Saud University (2015-2018)

Doctor of Philosophy, Molecular Physiology, GPA 4.72/5

Thesis title "Identification of Genes Involved in Microcephaly, Developmental Delay and Intellectual Disability among Saudi Consanguineous Families".

King Saud University (2008-2012)

Master of Molecular Physiology, GPA 4.57/5

Thesis title "Relationship Between Polymorphism in Exon 8 of Estrogen Receptor Alpha Gene and Osteoporosis in Saudi Women".

Imam Abdulrahman Bin Faisal University (2001-2004)

Bachelor in Zoology, Percentage 86.69%

Professional Experience

Ministry of Education

Imam Mohammed Ibn Saud Islamic University

College of sciences

Department of biology

Assistant professor

Jan 2020- present

- Teaching the theoretical part of the following: Molecular biology (BIO 232), Bioinformatics (BIO 434), Embryology (BIO 415), and the practical part of the immunology (BIO 212), Animal Behavior (BIO 455), Animal Taxonomy (BIO 111), Animal physiology (BIO 314).
- Participating in the scientific research projects
- The coordinator of KACST training agreement with biology department
- Member of Quality committee of biology department

Ministry of Health

The National Center for Disease Prevention and Control

National Health Laboratory

Infectious Diseases Centers

Acting Director and Deputy of The Genomic Center for Infectious Diseases

Jul 2018 – Jan 2020

- Managing the daily operations of the lab
- Overseeing all aspects of the lab, including but not limited to: instruments, equipment, quality, and users of the lab, and supplies needed to ensure the lab runs smoothly.

Alliance Global

Technical Sales Specialist in Central Region

Jul 2017- Jun 2018

- Attended the regional office employee training in Dubai HQ in addition to, the mind flash online courses for the following: Illumina, ABIO, Mupid, Azure Biosystem, Advanced Analytical (AATI), Denovix, Kyratex, Primer Design, Biomolecular System, Cell Signaling Technology (CST), Stem Cell Technologies, 10X Genomics, ORFLO, Biolog,

QSonica

- Provide customers with the necessary tools needed to establish their own labs regarding layout, instrumentation, reagents, accessories etc
- Tenders management, bids, proposal, and quotation preparation
- Manage all data entry tasks related to my account in company CRM
- Conduct presentation and demos for customers

King Faisal Specialist Hospital & Research Centre

Research Student

Aug 2015– Jul 2017

The research work performed under supervision of Dr. Namik Kaya, Cognitive & Neurogenetics laboratory, Genetics Department, Medical Genetics Department. Performed research on Microcephaly, Intellectual disability and Developmental Delay.

Trainee

Nov 2012-Jan 2013

The practical training performed in Dr. Namik Kaya lab, Cognitive and Neurogenetics Unit, Genetics Department.

Training on the following:

- Sample collection, receiving, handling and archiving
- Family pedigree drawing by using the “HaploPainter” software
- Sample/data entry to databases
- DNA and RNA extraction from blood
- Quality control for Nucleic Acids “Spectrophotometrically and by using a fluorescence-based quantification method”
- Designing and ordering primers for different molecular biology techniques
- Performing, optimization and troubleshooting PCR
- Designing assays for targeted sequencing
- Sequence analysis in search of genetic mutations
- Agarose gel electrophoresis and image acquisition and analysis

- Familial segregation analysis
- Homozygosity mapping
- Data mining using publicly available tools and software
- Gene Filtering, sequence alignment
- Filtration the data of Saudi human genome project

Experience in Databases and Software

Databases: Obtaining gene by using several databases (such as NCBI, Entrez, Ensembl, Gene, and OMIM, the Human Gene Mutation Database (HGMD), ExAC Browser (Beta) Exome Aggregation Consortium, Combined Annotation Dependent Depletion (CADD)), gene filtering for novel gene discovery (tools such as Genomic Oligoarray and SNP Array Evaluation tool v1.0, data mining (GeneCards and Ensembl).

Software: DNA star, AutoSNPa, HaploPainter, Microsoft Office Professional, EndNote X6.

Academic Experience

Princes Nora University

Contracted Lecturer, 2015-2016.

Teaching practical part for following Courses:

Zoology (251 Bio), Physiology (252 Bio), Chordate (452 Bio), Immunology (351 Bio) and Molecular Biology (418 Bio), Biology (101 Bio) and Microscopic Techniques (381 Bio).

King Saud University

Contracted Lecturer, 2012-2014.

Teaching practical part for following Courses

Biology (145 zoo), Zoology (103 zoo), Insects Physiology (514 zoo), Advanced Physiology (531 zoo), Ecology and Pollution (580 zoo), Genetics Basics (352 zoo) and Advanced Cell Physiology (532 zoo).

Personal Development

- Attending a webinar lecture titled Corona the latest developments and new information on 3rd May 2020
- Attending the 1st Saudi Course in Clinical Laboratory Genetics and Genetic Counseling on 17th -19th Nov 2019
- Attending the Introduction in Clinical Research on 21st -24th Oct 2019
- Attending the Global Health Exhibition and Congress on 10th -12th Sep 2019
- Attending the New Horizon in Genomics Applications on 10th -11th Feb 2019
- Attending the Medlab Middle East on 4th -7th Feb 2019
- Attending the CME of the Saudi International Medlab Conference 19th -21st Nov 2018
- Certificate of completion of Good Clinical Practice by NIDA Clinical Trials Network on 3rd Jun 2017
- Attending the practical course for Ion Proton™ System for Next Generation Sequencing (NGS) technology which held on central lab and Prince Naif Health Research center in King Saud University in Apr 2016
- Submitted a poster in sixth research day on 16th -17th Dec 2014 titled "Relationship between polymorphism in exon 8 of alpha estrogen receptor gene and osteoporosis in Saudi women" and "Relationship between osteoporosis and obesity in Saudi women"
- DNA extraction workshop in Nov 2013
- Certificate in 3rd Biostatistics Research Methods course from The Research Center of King Faisal Specialist Hospital, from the 2nd to 4th Oct 2010

Membership

- Member in "Saudi Society of Medical Genetics" from Mar 2018
- Member in "Healthy Marriage Program" in the Ministry of Health in Apr 2019

Skills

- Excellent communication skills in English and Arabic (spoken and written)
- Self-dependent and motivated to learn new concepts
- Critical thinking, analytical and problem-solving skills
- Strong ability to work in teams and collaborative environments
- Good multitasking skills

Publications

AlNeghery, L., Daghestani, M., Sherbeeni, S., Ajaj, S., Daghestani, M., Eldali, A., and Warsy, A. (2018). Relationship between polymorphism in exon 8 of estrogen receptor alpha gene and osteoporosis in Saudi women. *European Journal of Experimental Biology*, (8)1:3.

AlNeghery, L., Kenana, R., AlBakheet, A., AlMass, R., AlMutairi, F., AlSagob, M., Qari, A., Huma, R., Colak, D., Daghestani, M., Kaya, N., and AlSayed, M.D. (2018). A Systematic Genetic Assessment of *ARFGEF2* Mutations in Periventricular Heterotopia. *International Journal of Genetics and Genomics*, 6(1): 11-17.

Daghestani, M., Daghestani, M., Daghestani, M., Ambreen, K., Almuammar, M., **Alneghery, L.**, and Warsy, A. (2020). Relevance of KISS1 gene polymorphisms in susceptibility to Polycystic Ovary Syndrome and its associated Endocrine and Metabolic disturbances. *British journal of biomedical science*

Daghestani, M., Daghestani M., Daghistani M., Ambreen K., Albalawi F., **Alneghery L.**, Warsy, A. (2020). Influence of KISS1 gene polymorphisms on the risk of Polycystic Ovary Syndrome and its associated variables, in Saudi women. *BMC Endocrine Disorders*

Alqahtani W., **Alneghery L.**, Alqahtani A., ALKahtani M., Alkahtani S. (2020). A review of comparison study between Corona Viruses (SARS-CoV, MERS-CoV) and Novel Corona Virus (Covid-19). *Revista Mexicana de Ingeniería Química*, 19 (1): 229-240

Daghestani M., Hakami H., Ambreen K., Saleem A., Aleisa N., **Alneghery L.**, Amin M. (2020). Assessment of beneficial inflammatory effects of *Echis coloratus* venom to suppress colon cancer pathogenesis, via up-regulation of anti-tumorigenic inflammatory cells and down-regulation of pro-tumorigenic inflammatory cells, in colon cancer cell lines. *Toxin Reviews*.

Publications in preparation

AlFuraih, N., AlBakheet, A., AlMuhaizea, M., **Alneghery**, L., Hamad, M., Kentab, A., Chedrawi, A., Dabbagh, O., Aldhalaan, H., Alshail, Alsagob, M., ALQuait, L., Almutairi, F., Almass, R., Afdal, M., Salih, M., Colak, D., Kaya, N. NF1 mutation screening in Saudi Arabia

Referee

To be furnished upon request.