

CURRICULUM VITAE

Elnaz Salim



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SUMMARY

I am a committed, determined and self-motivated Geneticist and molecular biologist with experience of studying genetic, diagnosing human diseases, cell biologist and assisting with the development of new drugs. My core skills include experimental design, field work, statistical data analysis and a wide array of laboratory techniques. I have an analytical and investigative approach to my work which has enabled me to achieve a 1st class honour's Master of Sciences degree in this field. I have demonstrated an ability to manage a laboratory project and communicate with a wide variety of scientific colleagues through my previous work experience. I have the capability to work efficiently as part of a team but can also work individually and on my own initiative. I consistently strive to work to the best of my ability and deliver professional standards at all times and in all circumstances.

EDUCATION

- 2016 - 2019 **Master of Human genetic**
Department of Biomedical Science
Faculty of Medicine and Health Science
University of Putra Malaysia (UPM), Serdang, Malaysia
- 2011 - 2015 **Bachelor of science in Biotechnology**
Department of Biotechnology
Faculty of Applied Sciences
UCSI University, Kuala Lumpur, Malaysia

PROFESSIONAL EXPERIENCE

- 2020 Research Assistant,
Faculty of Dentistry FOD,
University of Malaya (UM)
- 2016 biomolecular laboratory, Research Assistance,
Department of Biomedical Science
Faculty of Medicine and Health Science
University of Putra Malaysia (UPM),
- 2015 Research Assistance,
Faculty of Pharmacology
UCSI University, Malaysia
- 2014 Internship, path lab in part of pathology (pathology test)
UCSI University, Malaysia
- 2013 Internship, part of pathology, microbiology, genetic
Emirates Medical Lab, Sharjah,
United Arab Emirates (UAE)
- 2012 Worked part of microbiology and culturing also detect of genetic diseases
doctor Javanmardi medicine pathology laboratory,
Shiraz, Iran

TRAINING

- 2018 • Participated in Putrajaya international conference,
• Real time PCR workshop for gene expression analysis QGINE,
• Western blot workshop UPM
- 2017 • Real time PCR workshop for gene expression analysis UKM Medical
Molecular Biology Institute (UMBI)December 2017
• Workshop on scientific writing by Malaysian Researcher Institute on
Ageing UPM university 28 November 2017
• Biotech showcase Faculty of Applied Sciences, UCSI University on 14
March 2014
- 2014 • Drug discover Faculty Pharmacology HPLC, flow cytometry, UCSI
University on 2014

RESEARCH PROJECT

Research Assistant Project 2020 RA	In Vitro Periodontal Ex Plant Culture Model to Induce Non-Invasive Orthodontic Forces For Faster And Stable Bone Remodelling
Master, final year project 2019 GRA	Analysis of Genetic Polymorphism of Connexin, Endothelium and ACyl-coA Genes among Essential Hypertensive subjects in Malay Ethnic
Bachelor, final year project 2015 GRA	Identification and Antibiotic Resistant Profile of E. coli 0157:H7 and Salmonella SPP Stains Isolated from Food Samples by Multiplex PCR

LABORATORY SKILLS

- Microbiology test,
- Culturing, (cell and viral)
- Genetic test,
- Pathology test,
- Multiplex polymerase chain reaction,
- Antibiotic test,
- Gel electrophoresis,
- Spectrometer photometer,
- RT-qPCR,
- PH meter,
- Immunohistochemistry,
- Histology
- HPLC
- Chromatography
- DNA/RNA extraction
- Microarray
- Centrifugation,
- Bright Field Microscopy,
- Fluorescence Microscopy,
- Flow cytometry
- Normal PCR,
- Genotyping, RFLP
- DNA cloning
- Sequencing SNP,
- RNAseq,
- Gene expression
- ELISA
- Western blotting
- CT Image
- NGS
- CRISPR/Cas9 genome editing

Computer

- Mendeley,
- SPSS,
- T-test,
- PC, MS-office, Excel
- CT- analysis
- Python
- Applied Biosystem (ABI) DNA analysis
- ANOVA,
- SNP analysis
- Detection System (SDS),
- EndNote,
- IT information
- Gene Mapping software

General Skill

- Write grants and papers to seek research funds.
- Supporting Test Method validation and Transfer from internal or external labs.
- Attention to detail and willing to learn new thing.
- Ability to multitask and to work either independently or as a contributing team member in a complex research institution/ clinical environment.
- Superior organizational skills and highly detail-oriented in carrying-out assignments.
- Excellent oral and written communication abilities.
- Analyse and clearly document experiments in Electronic Lab Notebook (ELN) and Laboratory Information Management System (LIMS).
- Managing a small team and training junior research student a range of laboratory techniques.
- Performing general laboratory duties include, maintain accurate records, stock control, and issuing clinical reports upon request.

ACCOMPLISHED PROJECT

- Genetic recombinant DNA
- Performing PCR
- Sanger DNA Sequencing
- DNA cloning
- Unknown bacterial identification and antibiotic test
- Gene expression and profiling polymorphism by RT-qPCR and normal PCR, RotorGene
- Performing DNA/RNA or protein extraction from biological samples
- RFLP Enzyme Restriction Fragment Length
- Genotyping SNP by using Real-Time PCR (Taq-manassay)
- Cell and tissue culture (Human, animal, bacteria)
- Animal handling, harvesting mandibular bone
- Epigenetic modification with induced vibration and sonication
- Histology, CT image, immunohistochemistry
- Analytical technique; HPLC, Chromatography, HPTLC.
- Diagnosed gene mutations that resulted in three separate genetic disorders
- Design sampling plans or coordinate the field collection of samples such as tissue specimens

RESEARCH INTEREST

- Human genetic
- Pharmaceutical biotechnology
- Recombinant technology
- Cell and tissue
- Biomolecular
- Neurosciences
- Epigenetic
- Cancer cell

ENGLISH LANGUAGE

- IELTS
- Proof of tertiary education (master) in English from University of Putra Malaysia (UPM)
- Proof of tertiary education (bachelor) in English from UCSI university

REFERENCE

Professor. Dr. Patimah Ismail
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