

NZAR A. A. SHWAN

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PERSONAL PROFILE STATEMENT

I am a lecturer in Human Genetics and Molecular Biology at Erbil Technical Health College, Erbil Polytechnic University. My core skills include experimental design, statistical data analysis and a wide array of laboratory techniques. 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

2013 - 2018	University of Nottingham, Nottingham, England Ph.D. Human Genetics Thesis title: Characterising human amylase gene CNVs and application to association studies
2008 - 2010	University of Duhok, Duhok, Kurdistan/Iraq M.Sc. Molecular Biology Thesis title: Detection of genetic alterations in brain tumours using molecular markers
1999 - 2003	University of Salahaddin, Erbil, Kurdistan/Iraq Bachelor of Science, Biology

PROFESSIONAL EXPERIENCES

2019/01- present	Erbil Technical Health College, Erbil Polytechnic University Lecturer Teaching Human Genetics and Molecular Biology
2010/04 - 2013/06	Scientific Research Centre/University of Salahaddin Assistant lecturer Responsibilities: managing and leading the project team; recruiting project staff and consultants; developing and maintaining a detailed project plan
2003/10 - 2007/07	Rizgary teaching hospital, Erbil, Kurdistan/Iraq Biology assistant Carry out routine and specialist analytical testing on a range of biological samples to support the diagnosis and treatment of diseases. Performing general laboratory duties include record keeping, equipment monitoring, stock control, and issuing clinical reports upon request.

SOFTWARE SKILLS

Microsoft Office - Excellent
PLINK toolset - Very good
R (programming language) - Very good

LANGUAGES

English - Very good
Kurdish - Excellent
Arabic - Very good

SKILLS

- ✓ Proficient in PCR
- ✓ Skilled in genotyping
- ✓ Case- control association studies
- ✓ Proficient in ABI Genetic Analyzer
- ✓ Experienced in carrying out molecular laboratory work, including DNA extraction, PCR, microsatellite genotyping, direct sequencing (ABI).

PROFESSIONAL MEETING ABSTRACTS

1- Shwan, N.A. A.; Armour, J. A. L. (2015) Further analysis of human salivary and pancreatic amylase gene CNVs. European Society of Human Genetics meeting, Glasgow, UK.

2- Shwan, N. A. A., Louzada, S., Yang, F., Armour, J. A. L. (2017) Repeated expansions of human amylase genes create multiple independent CNV series. European Society of Human Genetics meeting, Copenhagen, Denmark.

PERSONALITY

Communicative

Punctuality

Creativity

Organized

AWARD

Awarded the Early Researcher of Excellence Award in recognition of outstanding research contributions by the SoLS postgraduate research committee (July 2017)

PUBLICATIONS

SHWAN, N. A. A., LOUZADA, S., YANG, F. & ARMOUR, J. A. L. 2017. Recurrent Rearrangements of Human Amylase Genes Create Multiple Independent CNV Series. Human Mutation, 38, 532- 539.

INCHLEY, C. E., LARBEY, C. D. A., SHWAN, N. A. A., PAGANI, L., SAAG, L., ANTÃO, T., JACOBS, G., HUDJASHOV, G., METSPALU, E., MITT, M., EICHSTAEDT, C. A., MALYARCHUK, B., DERENKO, M., WEE, J., ABDULLAH, S., RICAUT, F.-X., MORMINA, M., MÄGI, R., VILLEMS, R., METSPALU, M., JONES, M. K., ARMOUR, J. A. L. & KIVISILD, T. 2016. Selective sweep on human amylase genes postdates the split with Neanderthals. Scientific Reports 11/2016; 6., DOI:10.1038/srep37198.

CARPENTER, D., DHAR, S., MITCHELL, L. M., FU, B., TYSON, J., SHWAN, N. A. A., YANG, F., THOMAS, M. G. & ARMOUR, J. A. 2015. Obesity, starch digestion and amylase: association between copy number variants at human salivary (AMY1) and pancreatic (AMY2) amylase genes. Human Molecular Genetics, 24, 3472-80.