

Ross Kwok

GENETICIST

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I am a XXX. I have worked on XXX. I am a proponent about XXX. This CV is version controlled and compiled with code.

Education

PhD in Forensic Science: Evaluating the Viability of Obtaining DNA Profiles from DNA Encapsulated Within the Layers of Counterfeit Banknotes

STAFFORDSHIRE UNIVERSITY

2019 → 2022

- Research Chapter 1: Evaluation of DNA in Counterfeit Banknotes.
- Research Chapter 2: Simulated Procedural Study to Evaluate the Presence of DNA in Composite Counterfeit Banknotes.
- Research Chapter 3: Genetic Evaluation of Counterfeit Banknotes.
- Skills Learned: .

Msc First Class in Forensic Science

STAFFORDSHIRE UNIVERSITY

2017 → 2018

Msc in Genetics

UNIVERSITY OF ABERDEEN

2016 → 2017

BSc (Hons) Upper Second Class in Zoology

UNIVERSITY OF ABERDEEN

2012 → 2016

Employment

Sales Assistant

THE WORKS

Edinburgh, Scotland

May 2016 → September 2016

- Position focussed on customer service and relations.

Volunteer

CHENGDU PANDA BREEDING RESEARCH BASE

Chengdu, China

2015 →

- Husbandry and care for pandas as part of a conservation project.

Volunteer

NATIONAL TRUST

Edinburgh, Scotland

2022 →

- Assisted in the construction of a 'roundhouse'.

Volunteer

OXFAM RECORD STORE

Edinburgh, Scotland

August 2012 → July 2016

- Sales assistant.

Skillset

Computer software

WORD, EXCEL, AND RELATED MICROSOFT SOFTWARE

Statistical software

MINITAB, SPSS, AND (SOME) R

Genomic software

MRBAYES, DNASP, FINCHTV, CLC, FIGTREE, ARLEQUIN, CLUSTALX, PROSEQ, BLAST, FUNCASSOCIATE, MULTIARRAY VIEWER, GENE MAPPER

Laboratory skills

POLYMERASE CHAIN REACTION TECHNIQUES (QPCR), DNA/RNA EXTRACTION (PHENOL CHLOROFORM, CHELEX RESIN, SILICA SPIN COLUMNS AND MAGNETIC BEAD EXTRACTIONS), GEL ELECTROPHORESIS, AGAROSE GEL DIGESTION, CAPILLARY ELECTROPHORESIS, PCR THERMOCYCLERS (BOTH FOR STANDARD PCR AND QPCR), FUME HOODS, GEL ELECTROPHORESIS EQUIPMENT, HEAT BLOCKS, QUBIT FLUOROMETER AND NANODROPS

Forensic skills

GRIM, MSP, PLM, TLC, FINGERPRINT ANALYSIS, DNA PROFILING, BLOOD SPATTER AND PRESUMPTIVE AND CONFIRMATIVE BODY FLUID TESTING

Languages

ENGLISH (FLUENT), CANTONESE (FLUENT)

Conferences

Guest speaker

The Centre for Crime, Justice and Security, University of Staffordshire

TITLE: AN EVALUATION OF TWO ADHESIVE MEDIA FOR THE RECOVERY OF DNA FROM LATENT FINGER-MARKS: A PRELIMINARY STUDY

2022

Guest speaker

The Centre for Crime, Justice and Security, University of Staffordshire

TITLE: EVALUATING THE VIABILITY OF OBTAINING DNA PROFILES FROM DNA ENCAPSULATED WITHIN THE LAYERS OF COUNTERFEIT BANKNOTES

2022

Poster Presenter at The 28th International Congress of the International Society of Forensic Genetics

Prague

TITLE: EVALUATING THE VIABILITY OF OBTAINING DNA PROFILES FROM DNA ENCAPSULATED WITHIN THE LAYERS OF COUNTERFEIT BANKNOTES

2019

Publications

Evaluating the viability of obtaining DNA profiles from DNA encapsulated between the layers of composite counterfeit banknotes.

Forensics Science International: Genetics Supplement Series, 7, pp. 438-440

KWOK, R., KENNY, D. AND WILLIAMS, G.A.

2019

• <https://doi.org/10.1016/j.fsigss.2019.10.043>

An evaluation of two adhesive media for the recovery of DNA from latent fingerprints: A preliminary study.

Forensic Science International, [online] 344(4), 111574

KWOK, R., PARSONS, R., FIELDHOUSE, S. AND WALTON-WILLIAMS, L.

2023

• <https://doi.org/10.1016/j.forsciint.2023.111574>

Memberships

Chartered Society of Forensic Science

International Society of Forensic Genetics