Life at the Molecular Level: Biology Teacher CPD
Wednesday 9th September 2020

University of Aberdeen, Zoology Building, ZB03, Old Aberdeen Campus

Outline Programme
This one-day CPD event is intended for teachers of Higher and Advanced Higher Biology and aims to give them a working background in many of the topics covered in the Cells and Proteins module of the Advanced Higher Biology syllabus. It includes two lectures and two workshop activities explaining PCR and blood typing that can be used in school classrooms.

09.00-09.15 - Registration
09.30-10.30 – Lecture 1 – “DNA, RNA and More!”
A lecture that will focus on nucleotide structure and function, genomes, DNA replication and much more.
10.30-11.00 – Coffee Break
11.00-12.30 – Workshop 1 – “Cut’n'Stick PCR”
A paper-based workshop to explain the polymerase chain reaction (PCR).
12.30-13.30 – Lunch
13.30-14.30 - Lecture 2 – “Proteins and Enzymes”
A lecture focusing on the essentials of protein structure as well as an overview of enzymes with specific examples of how they function in cells.
14.30-16.00 - Workshop 2 – “CSI:Abdn – Bloody Typing Lab”
A laboratory practical workshop to demonstrate blood typing as part of a forensic investigation.
16.00-Depart

Delivered by Dr John Barrow, Senior Lecturer in Biochemistry and Molecular Biology

To book the event or for more information, please contact:
CPD Services
Research and Innovation
Room 28 University Office
King’s College
Aberdeen
AB24 3FX
Tel: +44 (0) 1224 272523
Email: cpdservices@abdn.ac.uk