



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:

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