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Programme

(Coffee and a light meal will be provided.)

- Welcome
- Practical Part 1
Ecological case studies and setting up a DNA digest.
- DNA Database Ethics Activity
Implication of a UK-wide database of genetic information; classroom discussion activity.
- Practical Part 2
Electrophoresis of DNA samples.
- Practical Part 3
Staining the electrophoresis gel and analysing the results.
- Close

The workshop will be run in collaboration with the **SAPS Biotechnology Scotland Project** and **Bio-Rad**.

We would like attendees to run a DNA practical for groups of interested pupils and their parents at an agreed date after this workshop; we will provide materials, support and equipment.



Green Fingerprinting

Ecological and Ethical
Applications of DNA Technology
A free workshop for teachers
and technicians

Royal Botanic Gardens
Edinburgh

Wednesday 10th September
2003

5:30pm - 8:30pm

Partly funded by the
Biotechnology and Biological
Sciences Research Council to
mark 2003: 50 Years since the
Discovery of the Structure of
DNA



ROYAL
BOTANIC
GARDEN
EDINBURGH



Green Fingerprinting

Applications of DNA Technology

This free hands-on workshop is aimed at enhancing the delivery of Biotechnology and Biology in secondary schools and colleges.

Why *Green* Fingerprinting?

DNA fingerprinting technology use in forensic science is well known. However, it has also revolutionised other scientific fields.

Attendees will participate in DNA Fingerprinting practicals; emphasis will be placed on how the practicals can be used in the classroom. This workshop differs from many others in using real examples of how these techniques are applied to aspects of biodiversity conservation.

At Your School/College

We will work with you to run a DNA fingerprinting practical for a group of your pupils and their parents at an agreed date in the future. We will provide materials, support and equipment.

DNA Database Ethics Activity

Professor Sir Alec Jeffreys (the inventor of DNA Fingerprinting) recently suggested that a fingerprint of everyone in the UK should be stored (*The Guardian* 13/09/2002).

We will provide background information on how various interests might react to this. There will then be an opportunity to use this in a discussion activity based on this idea.



Aims of the Project

Provide training in DNA electrophoresis for the classroom



Demonstrate uses of this technique other than in forensic science



To allow scientists, teachers, children and their parents to talk on an equal basis.

I would like to attend the Green Fingerprinting Workshop

Name:

School/
College:

Address:

Email:

Telephone:

I would like to be informed of similar events by SIBE and its partners (please tick)

Please return this form to the address overleaf or send an email to the address below to note your interest in coming on this workshop.

For more information contact
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