

RI The Royal Institution

of Great Britain

U3A Explores Science at the Ri

Tuesday 27 March 2012 at the Royal Institution of Great Britain, 21

Albemarle

Street, London W1

Program me

200pm Introduction by Ian Searie, (Chairman of The Third Age Trust)

2.05pm Dr John Manlove - Forensic Science, an overview

Forensics expert Dr John Manlove will explore the host of scientific techniques he uses to identify humans. He will explain forensic biology (DNA, body fluid examination, blood patterns), forensic chemistry (footwear, fingerprints, glass, paint, marks enhancement), forensic ecology (entomology, palynology, diatomology), archaeology and anthropology, firearms and ballistics, and drugs and toxicology.

240pm Question and answer session

2.50pm Dr Suzie Sheehy - Accelerated dreams: How particle accelerators have changed our lives and what they will look like in the future

Embark on a journey of discovery about a technology that has truly changed our lives, and changed the way we understand the world around us. Less than 100 years ago the particle accelerator was nothing more than a dream, yet today they have become an integral part of modern life, from medicine to mobile phone technology. Get a behind-the-scenes look at the inner workings of a particle accelerator with the help of demonstrations and get a glimpse of what these cutting-edge machines can do for you, and where they are heading in the future.

325pm Question and answer session

335pm Tea and coffee

410pm Prof Tim Wheeler - Food production in a changing climate

Climate change is expected to bring warmer temperatures, changes to rainfall patterns and increased frequency of extreme weather. This talk will explain how climate change will affect food crops and how food crop production in a changing climate can feed an increasing world population. As climate change brings more extreme weather, how will farming communities around the world be affected? And how can they adapt to the impacts of climate change?

4.45pm Question and answer session 4.55pm Close

Please apply in writing to:

The Third Age Trust, 19 East Street, Bromley, Kent BR1 1QE enclosing a 2nd class

stamp for up to 4 tickets or a large letter stamp if you require more (maximum 15

tickets per applicant) and a cheque made payable to The Third Age Trust. Places are limited. Admission is by ticket only at a318 each including refreshments.

We cannot give refunds but may be able to offer your ticket to any waiting list if you are unable to attend.

Applications can be sent immediately.

Tickets, programmes and maps will be sent out from January onwards.