



CURIOUS MINDS

Perthshire Society of Natural Science
In partnership with Culture Perth and Kinross

rhythms and our health

The role of soil forensics

Circadian



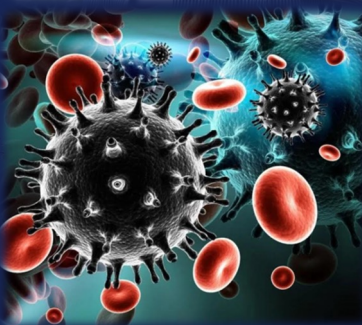
in solving crimes

Recycling plastics

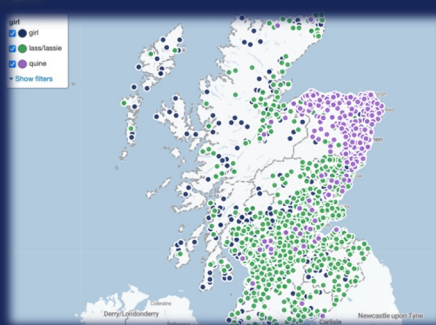


AI in heart imaging

Targeted protein



degradation



Mapping Scots



Brain development

Ten talks from the forefront of Scottish Science.
Fridays at 7:30pm. Soutar Theatre. AK Bell Library. Perth.
Full details at PSNS.org.uk.
Tickets via www.perthshireboxoffice.com



Supported by Perth & Kinross Council



www.culturepk.org.uk
www.psns.org.uk



Curious Minds 2024/25

Perthshire Society of Natural Science

Scottish Charity SCO12718

October 4th. Prof David Price, Edinburgh Univ. “How we build our brains” Our brain contains 100 billion cells with trillions of connections. This machine develops from a single cell in less than 9 months. How is that possible?

October 18th. Dr Brendan Gabriel, Aberdeen Univ. “Circadian rhythms and diabetes” Circadian rhythms, and the biological clocks that control them, are essential to our health. Diabetes can disrupt the clock. Can it be reset?

November 1st . Prof Alessio Ciulli, Dundee Univ. “Targeted Protein Degradation” Proteins are fundamental to life – and to many diseases. TPD aims to harness the cell’s own recycling mechanisms to remove disease causing proteins.

November 15th. Dr Kevin Ross, Impact Solutions. “Plastics recycling – the unintended consequences” Impact Solutions is a technology transfer company, taking academic research and creating real-world solutions.

November 29th. John Ferguson, Binn Group “ Transitioning to a regenerative economy – in Perthshire” Continuing our recycling theme, John is head of strategy at Binn group – Scotland's largest independent waste management provider.

December 13th. Prof Jennifer Smith, Glasgow Univ. “Mapping contemporary Scots” Jennifer will describe an on-line project to map the words, sounds and grammar that define the Scots language as it exists today.

January 24th. Prof Michelle Williams, Edinburgh Univ. “Looking inside the heart – imaging and AI” Michelle’s work applies machine learning and AI methods to extract “hidden” information from diagnostic medical images.

February 7th. Dr Dipa Roy, Edinburgh Univ. “Sustainable materials” In the third of our series on recycling, Dipa will discuss how Research can design sustainability into the composition and structure of plastic materials.

February 21st. Prof Lorna Dawson, James Hutton Institute “Soil forensics: how soil science helps solve crimes”. Lorna is one of the UK’s leading forensic scientists. She has advised government, police and, of course, TV creators. She has been an expert witness in many high-profile criminal cases.

March 7th. Robin Rodger, Royal Scottish Academy. “David Octavius Hill – a pioneer of photography” David Hill was born in Perth in 1802 and became a leading figure in early Photography. The Rhoda Fothergill lecture. This talk is free but tickets should be booked in the normal way.

Tickets via www.psns.org.uk and www.culturepk.org.uk