

# Seeing with Atoms

Prof Paul Dastoor

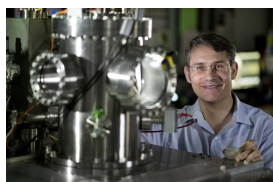
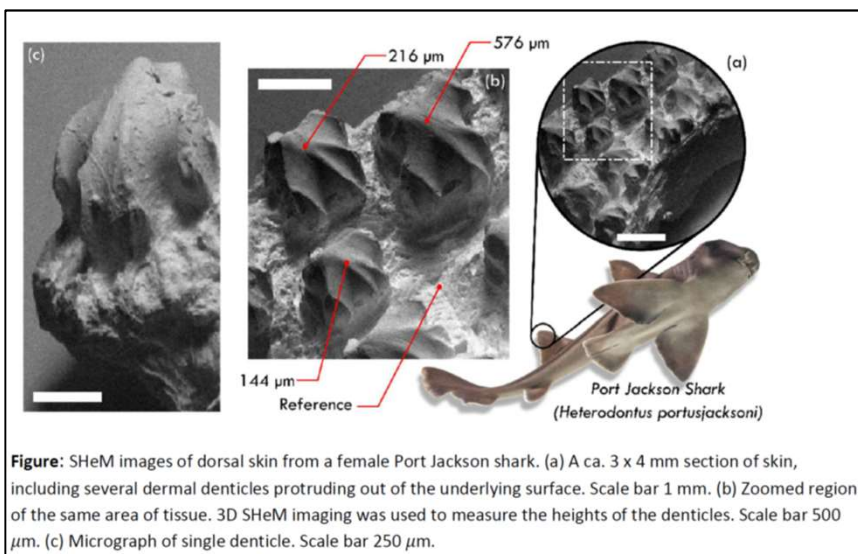
University of Newcastle and University of Cambridge

Thursday May 9<sup>th</sup> 2019, 6.30pm

Room 257, Kelvin Building, University of Glasgow

Imaging is the key to discovery in science and yet conventional microscopes can damage delicate materials and devices; altering the very structures that they are trying to see. However, the scanning helium microscope (SHeM) opens a new window on science; providing for the first time completely non-damaging imaging using beams of neutral helium atoms.

This talk will explain the importance of microscopy in science and describe how the development of the SHeM revolutionises the imaging of delicate materials (such as biological samples) and the potential for damage-free microscopy to impact society. The presentation will also highlight the importance of international collaboration in science and its role in the development of new technology.



Paul Dastoor is a Professor in Physics in the School of Mathematical and Physical Sciences and the director of the Centre for Organic Electronics at the University of Newcastle in Australia. He received his B.A. degree in Natural Sciences from the University of Cambridge in 1990 and his PhD in Surface Physics, also from the University of Cambridge, in 1995. After completing his doctorate he joined the Surface Chemistry Department at British Steel in 1994 before taking up his present appointment at the University of Newcastle in 1995.

Register for free at Eventbrite: <https://tinyurl.com/iops1905glasgow>



#### How to find us

The Kelvin Building, School of Physics and Astronomy, is on the main University Campus.

Free Parking is available on University Place.

You can find the Kelvin Building on a campus map at:

[http://www.gla.ac.uk/media/media\\_1887\\_en.pdf](http://www.gla.ac.uk/media/media_1887_en.pdf)