

# 3D Printing in Action

Researchers describe how they use 3D printing in their work

Radcliffe Science Library  
Wednesday 3rd December

## 14:00 - Getting to grips with biology

The Bioimaging unit at Oxford Brookes university specialises in 3D microscopy. We have transformed this data into a format that can be printed, bringing the structures we see down the microscopes to people who are visually impaired and blind and using 3D printing as an outreach tool for the general public.

*Louise Hughes, Brookes University Bioimaging Unit*

## 14:30 - A New Dimension to the Library

This talk will describe the new 3D printing services that the RSL will be offering to University members.

*Ollie Bridle, Radcliffe Science Library*

## 15:00 - Teardrops and illusions - Teaching and 3D printing in the Engineering Science Department

I will explain what facilities we have, and show how we use 3D printing for our teaching and some of the benefits and challenges associated with it.

*Bob Scott, Department of Engineering Science*

## 15:30 - Getting inside the head of early vertebrates

In order to look at the internal anatomy of extinct animals, palaeontologists have long relied on destructive techniques, which are unsuitably for many fossil specimens. 3D imaging and printing techniques provide a novel and important way of looking inside fossils and building detailed models of their anatomy. These models can be used to understand the evolution and relationships of early vertebrates, as well as key anatomical innovations.

*Sam Giles, Department of Earth Sciences*