

# 3 - Day Tree Anatomy Workshop

**3rd - 5th August 2019**



**at**  
**Cardiff School of**  
**Biosciences**  
**Biomedical Building**  
**Museum Avenue**  
**Cardiff CF10 3AX**



All profits from this event will be donated to the research into wood decay by Professor Lynne Boddy and her team at Cardiff School of Biosciences

Take a look at some of their work

[www.fungalecologycardiff.com](http://www.fungalecologycardiff.com)



**BOOK A PLACE**

## Quantified Tree Risk Assessment Limited

**is presenting a unique opportunity to take a guided tour around some of the inner workings of trees in this hands-on, laboratory-based workshop for tree professionals**

This workshop will develop your understanding of the various types of cells and tissues that make up trees. As we develop our knowledge of the different types of cells, and how they interact to form the various structures within a tree, we get a clearer understanding of how trees function.

The course instructor is Mark Hartley, a highly respected arboricultural consultant and teacher of arboriculture who has inspired many of our current generation of arboriculturists in Australia and beyond. Mark will be aided by two assistants, Catherine Russo and Danni Austin.

If you diagnose tree problems, assess development impacts on trees or prune trees, understanding their inner workings will help you to make better decisions.

In this hands-on workshop, by dissecting and examining samples, you will:

- develop an understanding of the anisotropic nature of wood, examining the structure of xylem in 3 different planes
- discover and identify many of the common cells found in stems, branches and roots by preparing cross-sections and with the aid of pre-prepared slides and images
- see how vessels interact around the branch collar and discover why a range of pruning cuts can result in different shaped growth responses and why, in comparison to pruning cuts, stem injuries form very regular shaped wounds
- use chemical stains to identify living and dead cells and distinguish sapwood from heartwood (or ripewood)

The workshop includes a guest lecture from Professor Lynne Boddy on the topic of fungal colonization of standing trees.



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