



# Through the microscope clearly

## Cellular life for non-biologists

Cells are common in the science curriculum, fundamental to biological science and essential to our understanding of life; and microscopes give us a window into this wondrous tiny world.

Students come to the study of cells with wide-eyed enthusiasm, only to experience technical difficulties with the microscope and frustration trying to make sense of the bland, inanimate images they encounter, if, indeed, they see anything at all.

Even teachers trained in biology can struggle to successfully engage students in the topic. The task can be that much harder for the non-biologist.

This workshop is designed for teachers with limited or no formal training in biology. Participants will explore the topic of cells from the basics through to the more complex elements of cell biology.

This full-day session for teachers will deliver:

- Activities such as *Getting the most out of microscopes; Preparing slides; Size matters; Microscopy with unicellular and multicellular organisms; Making the most of plant and animal sections and tissues; Ideas for incorporating ICT in microscopy.*
- A rare opportunity to see in action the state of the art confocal fluorescence microscopes, scanning and transmission electron microscopes.
- Insights into current cellular biology research by La Trobe University scientists.

**For further information and/or to register please contact**

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### DETAILS

#### Date

**Friday 18<sup>th</sup> November**

#### Duration

**Full day (9:30 to 3:30)**

#### Cost

**\$250 (GST inclusive)**

#### Location

**La Trobe University  
Bundoora**

