

Micron Advanced Light Microscopy Course 2016

Welcome



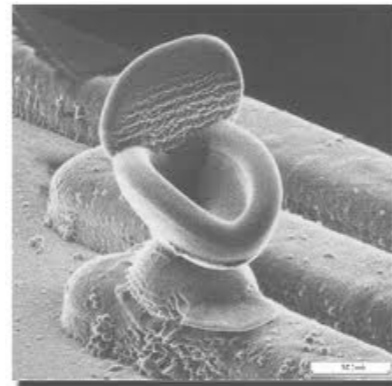
<http://www.micronoxford.com>

Announcements:



Fire escapes

Assembly point in front of Rex Richards
Alarm test Thursday 11:00 am



Toilets

In between reception and
lecture theatre



Free lunch !!!

Coffee Breaks in the lecture room
Lunches on Tues / Wed
Downstairs, lower ground foyer

Announcements:



Temperature in the lecture theatre



Lights for lectures:
tell the lecturer if you want lights up or down



Interest in optional EM lectures/demos
(Dunn School)
signup – made available, first break Monday

Course Handbooks:

ONLINE

PRINTED

MONDAY 14/11

Time	Micron Course	DTP	ONBI	Person
9.30-9.45	Welcome to the course			RMP
9.50-10.35	General introduction to light microscopy - what is important			RMP
10.35-10.55	Break			
10.55-11.40	Principles of microscopy and microscope anatomy			Ian
11.45-12.30	Discussion session			Ian & others
12.30-1.30	Lunch			
1.30-4.00	No Micron lectures	DTP Students in teaching lab for basic microscopy practical (onion prep imaging)	Bright field, contrast and onion epidermis prep practical (all ONBI students) (to 5pm)	

Microscopy Course 2015 - lectures and handout material may be downloaded from:

<http://www.micron.ox.ac.uk/microngroup/resources.php>

Microscopy Course 2016 - lectures and handout material may be downloaded from:

http://www.micron.ox.ac.uk/microngroup/2016_Lectures.php

Attendance Sheet:

Attendees to the MICRON course
Please ensure you fill in the
Attendance Sign-up Sheets



ToonClips.com

#2684

service@toonclips.com

The knowledge base survey:

- * To assess the starting knowledge**
- * To assess the diversity of experience**
- * To tailor the course material**

Simple answer scheme:

- Have never heard of this
- Have heard of this, but don't know what it means
- Have a vague idea of what it means
- Have a clear idea of what it means and can explain it

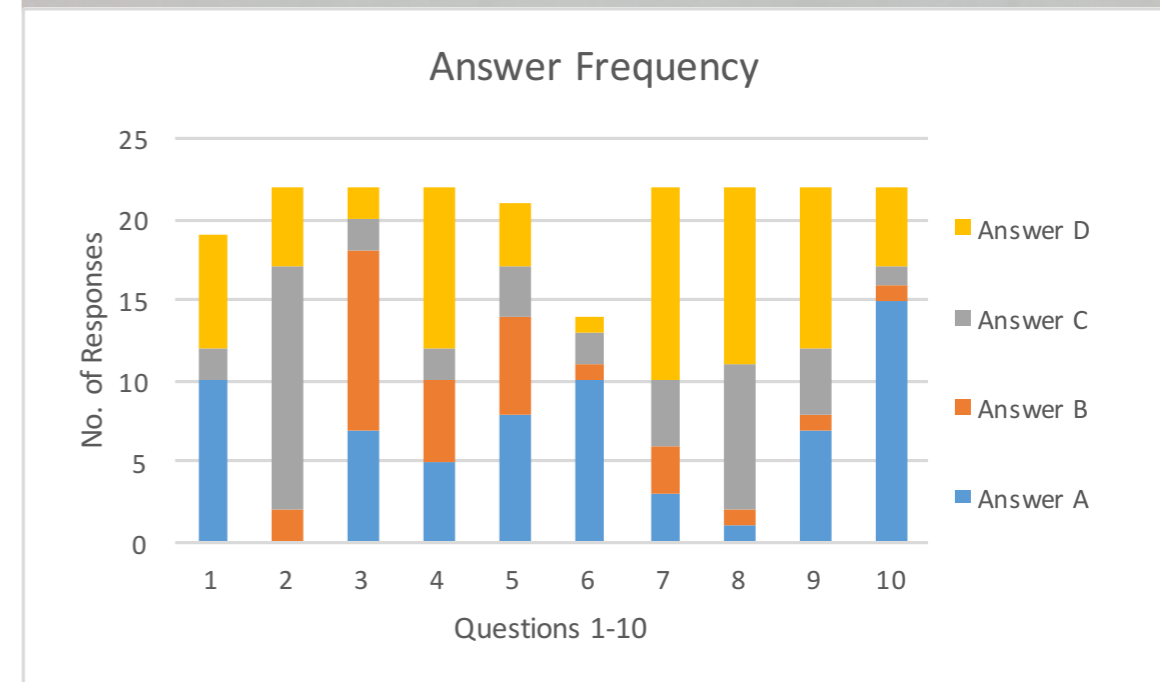
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- Questions structured:
 - Q1-5 favour biologists
 - Q5-10 favour physicists / engineers
- questions increasing in difficulty



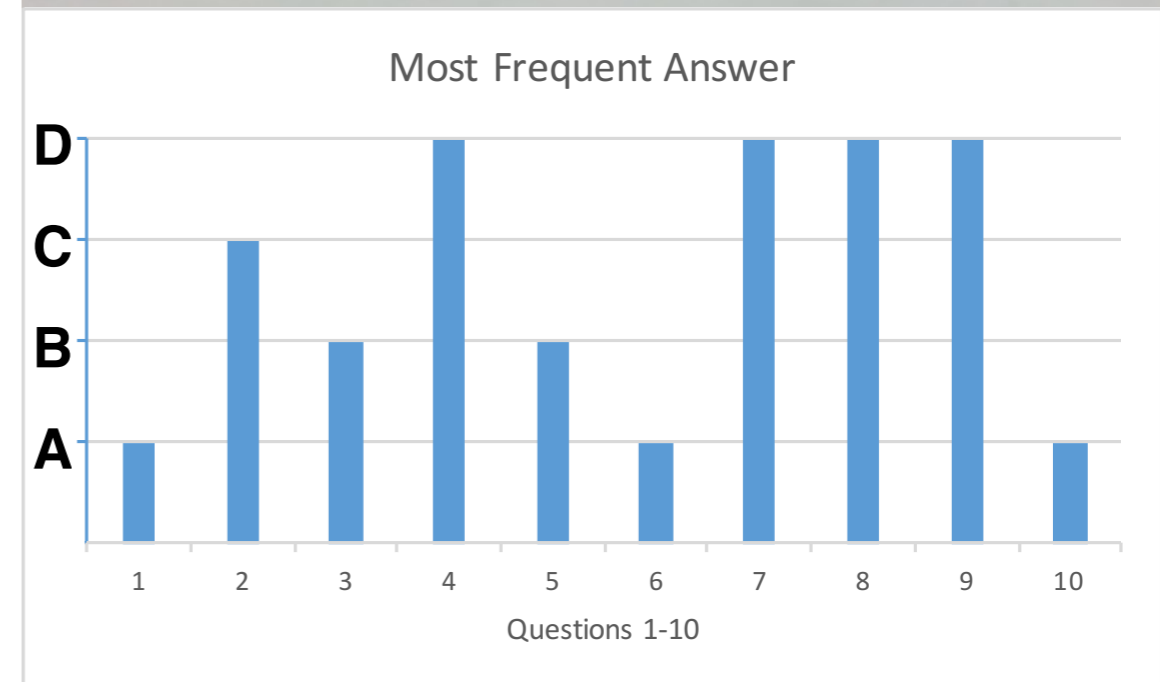
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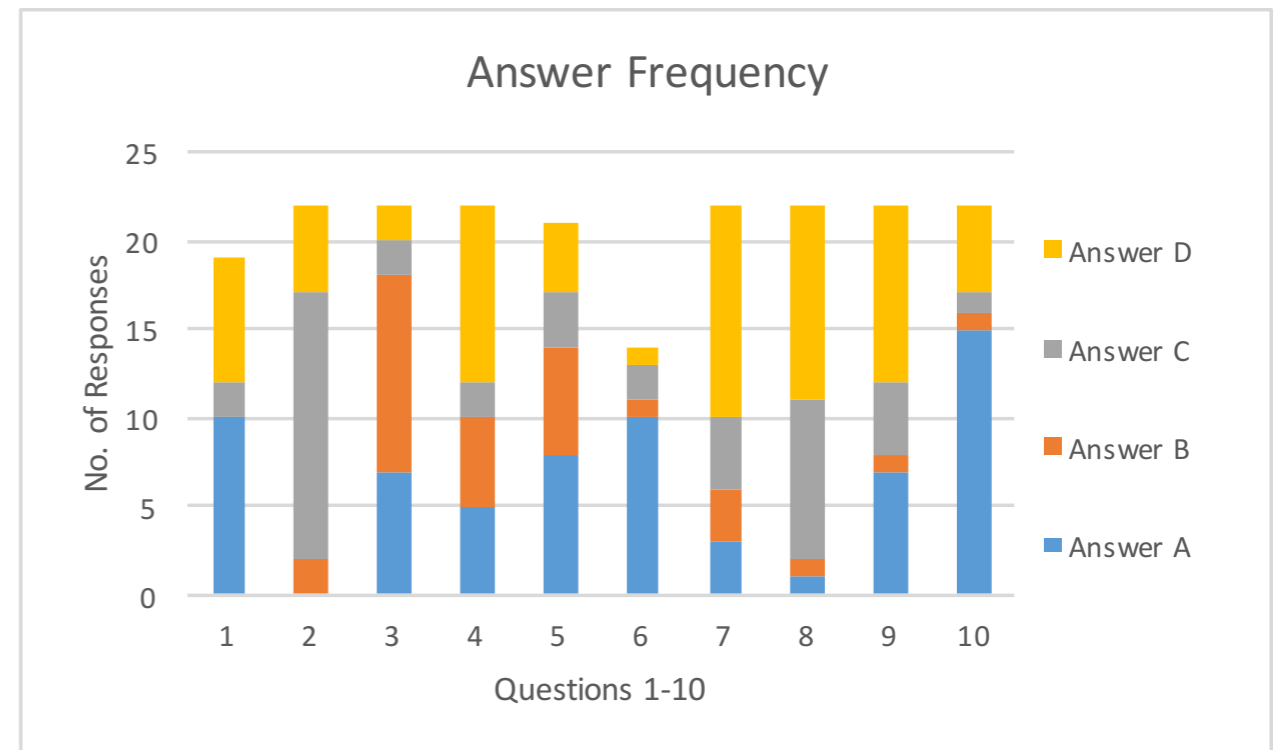
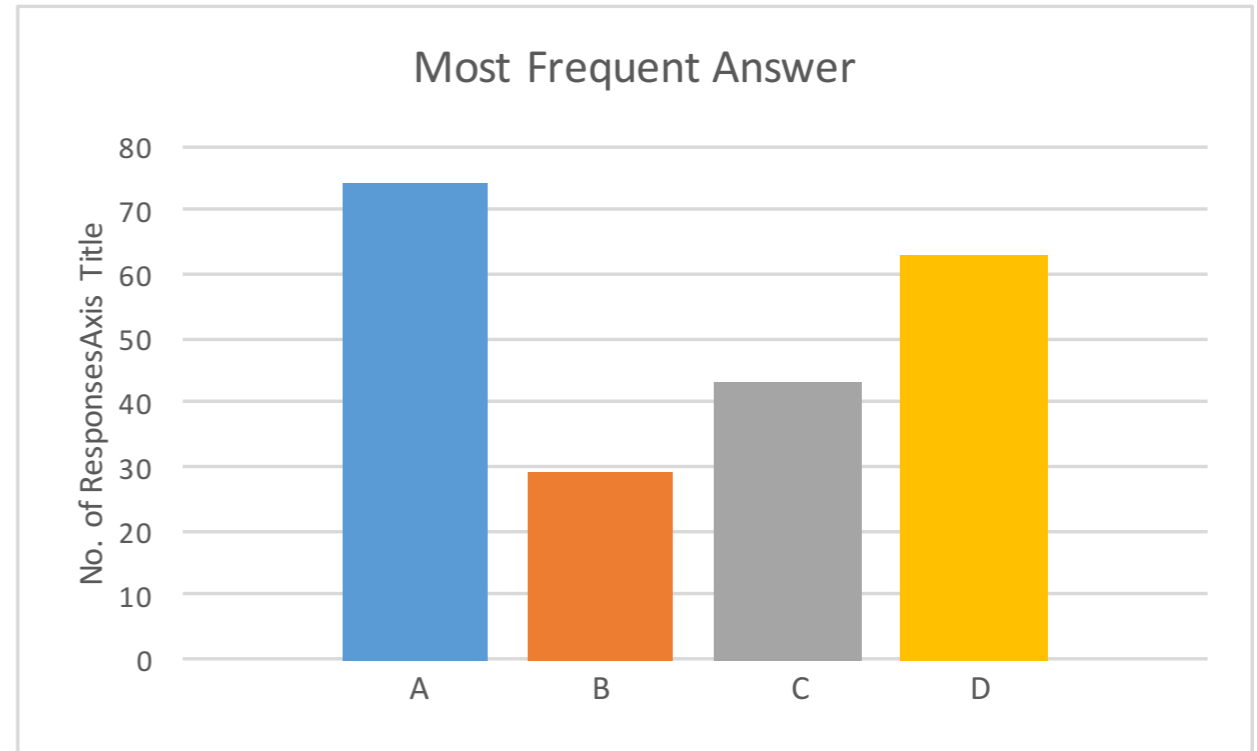
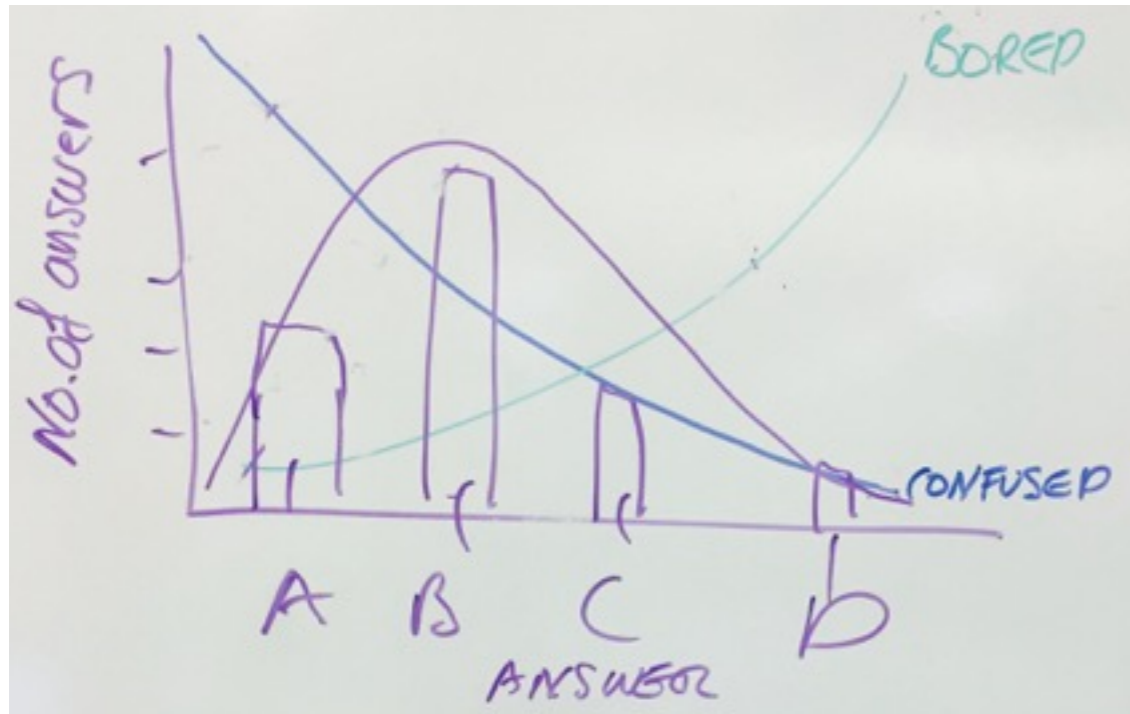
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The knowledge base survey:



What do you hope to gain from this course?

What do you hope to gain from this course?

- A. Whether you should use a microscope
- B. Knowing which microscope to use
- C. Microscopy techniques for a particular application
- D. What is new in microscopy
- E. Understanding the theory of microscopy
- F. More practical understanding

Practicals and Self taught exercises:

Refer to the exercises in the MICRON handbook or the downloadable exercises at:

<http://www.micron.ox.ac.uk/microngroup/resources.php>

2015 Practical Worksheets

[Bead Slide Prep](#)

[Brightfield Worksheet](#)

[Fluorescence Worksheet](#)

For support, contact MICRON



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#11526

service@toonclips.com

Check out advanced imaging in the Biochemistry Dept:

The screenshot shows the homepage of Micron Oxford. At the top left is the Micron Oxford logo. To its right is the Wellcome Trust Strategic Award logo, and further right is the University of Oxford logo. Below these is a navigation menu with links for Home, About Us, People, Research, Facilities, Resources, News & Media, and Booking. The main content area features a paragraph about the unit's location and funding, followed by a large image of a mouse embryo with green and blue fluorescence. To the right of the text is a group photo of the unit's staff. Below the group photo are logos for SIMcheck, OME, Nano, and Wiki. A social media feed on the right side shows three tweets from Micron Oxford, each with a date and a link to a tweet. At the bottom of the page, there are links for Contact Us, more research images, and view our Publications and our Research. A footer at the very bottom contains the text: Micron Oxford (2013). Department of Biochemistry / Dunn School of Pathology. Enquiries to micron; contact webmaster.

Micron OXFORD **Advanced Bioimaging Unit**

wellcome trust Strategic Award

UNIVERSITY OF OXFORD

Home About Us People Research Facilities Resources News & Media Booking

Micron Oxford is located within the [Department of Biochemistry](#) and the [Dunn School of Pathology](#) in the South Parks Road science area at the University of Oxford, and is funded by a strategic award from the [Wellcome Trust](#). We are a collaborative, multidisciplinary bioimaging unit working with biomedical researchers in the Oxford area and beyond to apply advanced cellular imaging techniques to address key questions in biology. We are focusing on the development and use of single molecule methods, light sheet and [super-resolution microscopy](#).

✓ SIMcheck OME Nano Wiki

M Micron Oxford 31 Jan
@MicronOxford
Congratulations to Lesterlin et al for their paper in @NatureMagazine with super-resolution images taken in micron! tinyurl.com/mgtu9ek

M Micron Oxford 27 Jan
@MicronOxford
For more info on latest advances in #lightsheet #microscopy, check out collection of articles from @naturemethods tinyurl.com/lk9e2bv

M Micron Oxford 24 Jan
@MicronOxford
exciting times in Micron as our new @ZEISS_Group #lightsheet Z.1 microscope arrives!
Expand

Bioimaging Facility 22 Jan

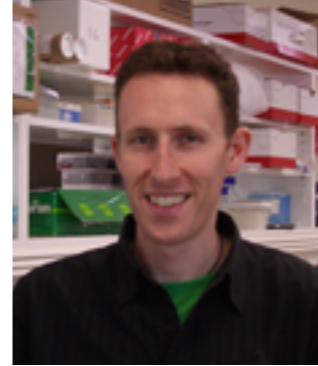
Contact Us more research images view our Publications and our Research

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Thanks to:

Particularly, Andrew Jefferson (organiser)



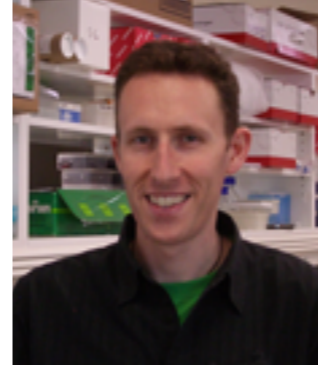
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Guest Speaker

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