

## Sample Timetable for Advanced Light Microscopy Course

| Day 1  |   | Day 2                            |   | Day 3                                       |                                  | Day 4                                       |   | Day 5  |   |
|--|---|----------------------------------|---|---|----------------------------------|---|---|--|---|
| Practical  | Lectures                                    | Practical                        | Lectures                                      | Practical                                   | Lectures                         | Practical                                   | Lectures                                    | Practical  | Lectures                                  |
|  | Welcome Health & safety (9.30-10.00)        |                                  | Types of fluorescence staining 1 (9.30-10.30) |   | Confocal microscopy (9.30-10.30) |   | Image processing (9.30-11.00)               |  | Advanced Confocal techniques (9.30-10.30) |
|  | Anatomy of a light microscope (10.00-11.00) | Labeling specimens (11.00-3.00)  |   |   | Live cell imaging (11.0-12.00)   |   | Workshop Problems & questions (11.00-12.00) |  | Image processing (11.00-1.00)             |
|  | Fluorescence microscopy (11.30-12.30)       |                                  | Types of fluorescence staining 2 (12.00-1.00) | Confocal/time lapse microscopy (12.00-3.00) |                                  | Confocal/time lapse microscopy (12.00-4.00) |   |  |   |
| Setting up a light microscope (1.30-2.00)                        |   |                                  |   |   |                                  |   |   | Application seminar (2.00-3.00)                      |   |
| Viewing specimens with different types of microscope (2.00-5.00) |   | Looking at specimens (3.00-5.00) |   | Confocal/time lapse microscopy (3.00-o/n)   |                                  |   |   | Workshop, micrograph & movie competition (3.00-4.30) |   |

### Microscope Time Allocations

| Time                    | Group 1 | Group 2 | Group 3 |
|-------------------------|---------|---------|---------|
| Day 3: 12.00 - 3.00     | SP2     | SP5     | IX81    |
| Day 3: 3.00 - overnight | IX81    | SP2     | SP5     |
| Day 4: 12.00 - 4.00     | SP5     | IX81    | SP2     |