**Reservation Nikon C2 Confocal Microscope Eclipse Ti**

**Braeckman Lab (Proeftuinstraat 86 building N1 2nd floor)**

**The microscope:**

Nikon TiE-C2 confocal microscope with epifluorescence, DIC, motorized XYZ piezo stage, motorized objectives and DIC/fluorescence filters. Solid state lasers: **405**nm, **488**nm, **561**nm with AOTF modulation. 3 PMTs + 1 transmission PMT. Objectives:**4x** CFI Plan Achromat (NA 0.1, dry), **20X** CFI Plan Apochromat VC (NA 0.75, dry), **40x** CFI Plan Apochromat (NA 1.25, water immersion), **60x** Plan Apochromat (NA 1.20, water immersion). Nikon DS-Ri2 color camera. Software: NIS elements.

**Availablility:**

The confocal microscope is available to researchers, PhD students, postdocs and faculty within and outside UGent (the microscope is not available to bachelor and master students). A new user must complete at least 4 hours of training before becoming a certified solo user. Certified solo users must accumulate at least 20 hours of use during peak hours before solo use off-peak is allowed. For non-confocal use, at least two hours of training are required to become a certified solo user.

Users need to sign up **before** using the microscope. Reservations can be made via an online reservation calendar at least one week in advance (see below).

**Fees and billing:**

***Confocal use***

* **Users from UGent Biology Department (WE11)**
  + Solo certified user (peak: 9am - 6pm): 25€/hour
  + Solo certified user (off-peak: 6pm – 9am): 20€/hour
  + With technical assistance / training (peak only): 50€/hour
* **External users**
  + Solo certified user (peak: 9am - 6pm): 35€/hour
  + Solo certified user (off-peak: 6pm – 9am): 30€/hour
  + With technical assistance / training (peak only): 80€/hour

***Non-confocal use***

* **Users from UGent Biology Department (WE11)**
  + Solo certified user (peak: 9am - 6pm): 15€/hour
  + Solo certified user (off-peak: 6pm – 9am): 10€/hour
  + With technical assistance / training (peak only): 35€/hour
* **External users**
  + Solo certified user (peak: 9am - 6pm): 20€/hour
  + Solo certified user (off-peak: 6pm – 9am): 15€/hour
  + With technical assistance / training (peak only): 50€/hour

Minimal charge will be 1 hour with extended use charged to the nearest ¼ hour.

Users will be charged from the time of reservation, not from the time of arrival. A no-show without prior notice (>24 hours) will be charged for the entire reservation of that day. When a user overbooks time, he/she will be charged for the booked time slot (unless another user is available on short notice).

Any questions about the use of and training for the (confocal) microscope should be directed to Drs. Ineke Dhondt ([ineke.dhondt@ugent.be](mailto:ineke.dhondt@ugent.be)). Questions about billing can be sent to Mrs. Caroline Vlaeminck ([caroline.vlaeminck@ugent.be](mailto:caroline.vlaeminck@ugent.be)).

**Contact information**

Name:

Principal Investigator:

Institution:

Department:

Building:

Address:

City:

Postal Code:

Phone:

Email:

**Project description** (short, focus on required microscopy)

**Past experience in microscopy:**

Specify which instrumentation:

Did you get training?

**Sample Type: (check all that apply)**

Live Organisms Live Cells Fixed Material

Other:

**Fluorescent dyes**

Specify fluorescent dyes in sample:

Number of colors per sample:

Specify lasers you want to use:

405nm 488nm 561nm

**Online Reservation**

Requested time to perform experiment:

Make a reservation on Google Calendar on following account:

**Email:** [confocal.braeckman@gmail.com](mailto:confocal.braeckman@gmail.com)  
**Password:** C.elegans

**Signature user \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_**

**Signature Supervisor\_\_\_\_\_\_\_\_\_\_\_\_\_**