

## **MIU instructions**

### **How to clean up objectives from oil:**

If you can do it without disturbing others, turn on the lights in the microscopy room (use the strings hanging from the ceiling), otherwise you will not see well enough. If turning on the ceiling lights is not possible, switch on the table lamp.

1. If you used an oil objective, you must clean it after use, otherwise the oil will harden and cause problems.
2. Start by gently wiping with lens tissue, do not use too much pressure. Never use any other tissue than lens paper - all others will leave fibers on the objective.
3. Dip a Q-tip in ethanol and shake off extra ethanol. Make sure that you only use ethanol that is in the bottle marked "only for objectives". Wipe the objective front lens with the Q-tip, starting from the center and proceeding outward in a spiral way. Do not press the Q-tip hard on the lens. Use another, dry Q-tip for drying the remaining ethanol on the objective.
4. Also check that there is no oil on the sides of the objective. If there is, wipe with a piece of paper towel dipped in a small amount of ethanol (use only the EtOH bottle marked "NOT for objectives").
5. Check if there is any oil on the nosepiece (where the objectives are attached), stage, focusing knobs, oculars, or other parts of the microscope. Again, use paper towels dipped in ethanol (use ethanol bottle that is for general use).
6. Also check tables, oil bottle, and keyboard.
7. If there are solid particles (dust etc.) on the lens, they have to be removed before using the cotton swabs. The best way of removing solid particles is to use a squeeze bulb (in the microscopy room). Or, you can try blowing on the lens (no saliva!).
8. If you are not able to clean the objective yourself, contact MIU. Do not try to take off the objective yourself, MIU will do it if necessary.