

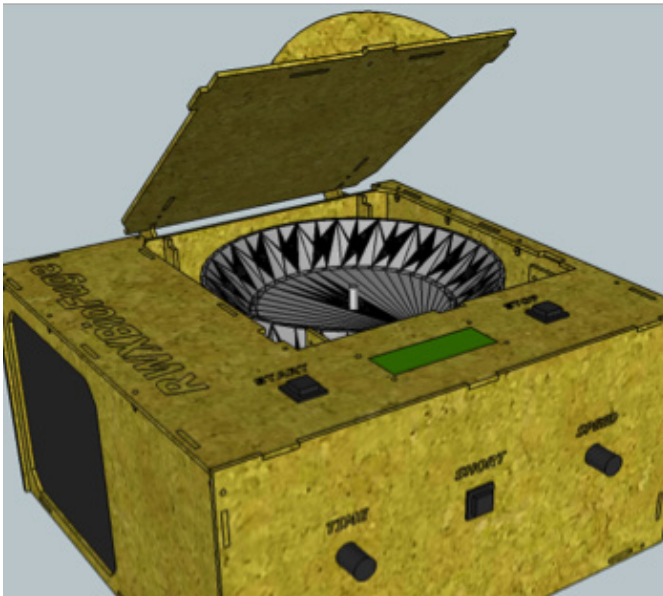


open wetlab  
waag society

open  
wetlab  
workshops

# RWXBioFuge

*Build your own centrifuge*



Centrifugation is a powerful method for isolation of compounds such as DNA, proteins, oil or membrane vesicles from a complex mixture. The RWXBioFuge was designed to bring this powerful tool into the hands of lab technicians, scientists, hackers, makers, DIYbio-ers and those who cannot afford to procure A-label equipment in low-resource settings.

This workshop is an educational project to teach fundamental principles of physics, chemistry, biology and electronics hands-on. Apart from an assembly guide, there will be 7 demonstration experiments and science classes.

**Duration:**

3-4 hours

**Number of participants:**

Max 30

**Subjects:**

Centrifugation  
Arduino microprocessing  
Sketchup 3D modelling  
OpenSCAD 3D modelling  
Fritzing circuit design  
Digital fabrication  
Open Source hardware

All Open Wetlab workshops consist of an introduction into the subject and it's making, a concise biosafety training, the making itself, an optional artists presentation and a dialogue with the participants about the theme and background of the workshop.

More information can be obtained by contacting [wetlab@waag.org](mailto:wetlab@waag.org) and at [waag.org/openwetlab](http://waag.org/openwetlab)

**Booking:** Open Wetlab Workshops can be booked by contacting [diensten@waag.org](mailto:diensten@waag.org)