

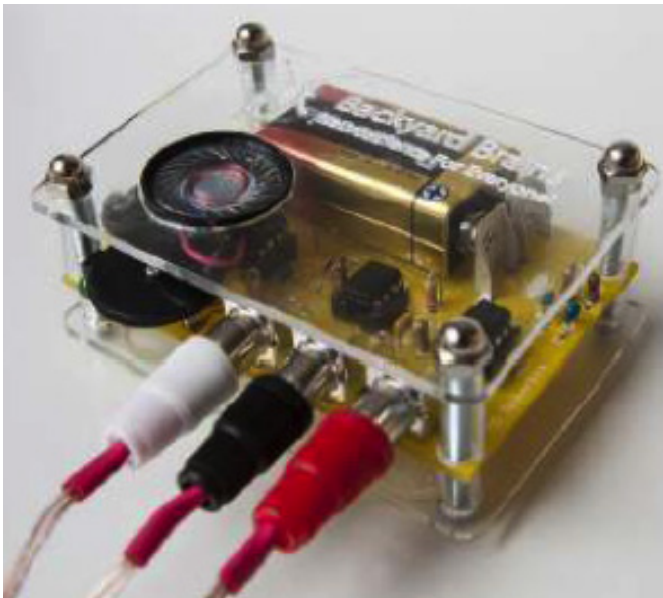


open wetlab  
waag society



# DIY Neurology

*Human to human interfacing*



The nerves fibres are the internet of the human body. When something touches your toe, an electrical signal travels super fast through the nerves to the brain. People with neural disorders like spinal cord injuries may not experience that same feeling, which is why scientist develop new methods to interface computers with the nervous system.

During the workshop the participants will build their own Backyard Brains electromyogram (EMG) devices, and will tap into their own nerve system. We will investigate our response time and accuracy. Finally we will use a link between neural detection and stimulation to set up a human to human interface.

**Duration:**

3-4 hours

**Number of participants:**

Max 30

**Subjects:**

- Action potentials
- Neuro signal transmission
- Electromyograms
- Electro-stimulation
- 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)