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[Frontpage](#) > [re-new 2013 program](#) > [Workshops](#) > **Monday Oct 28**

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Innoculab: action research for an interactive and collaborative science platform

Instructor: Martin Malthe Borch and Pieter Van Boheemen

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MMBorch Diybio experiences a pull and desire from the design and art scene to get hands on the biological engineering toolbox. During Re-New 2013 we will be conducting action based research, in the form of a series of practical workshops and talks, that will test, prototype and iterate a new form, layout and design of diybio- and professional scientific protocols. The aim is to have experts and enthusiasts share and crowd curate their current best practices.

Participants: 16

Background: None

Length: 10.00-12.00 Monday October 28 through Friday November 1; open discussion and reflection session after the workshop Friday.

Throughout the world practices aimed at open and collaborative life science and biotinkering are on the rise. While open and collaborative documentation systems exist (wiki and other systems), we have identified a need for an interactive and collaborative protocol platform to exchange methods and data on skill based practices.

This is especially relevant to Diybio, since it experiences a strong pull and desire from the design and art scene to get a “hands on” biological engineering toolbox. During Re-New 2013 we will be conducting action based research, in the form of a series of workshops and talks, that will test, prototype and iterate a new form, layout and design of a diybio and professional scientific protocols repository. In this process a novel approach to merging the distinct aesthetics and ethics of the scientific, artistic and DIY community needs to be acknowledged and defined. The research is conducted by case studies based on popular diybio experimental protocols.

Our final design proposal and our findings will be documented for a continuous collaborative development, and compared to the current laboratory practices published in scientific journals.

The aim is to have experts and enthusiasts share and crowd curate their current best practices.

References: www.biologigaragen.org – <http://waag.org/>

Questions: workshop coordinator [Eric Prince](#)

Conductive Music

Instructors: Enrico Bertelli and Emily Robertson

[Sign up for this workshop](#)



A two-part workshop exploring musical instrument design, experimental music notation, and sound art. This workshop will demonstrate using MakeyMakey as a base for building musical instruments out of everyday items (like spatulas and apples!) and simple art skills to create innovative ways to communicate performance ideas (like coloured squiggles!). After an introduction to the principles and methods of designing drum synths, participants will play with the instruments in a short ‘jam session’. This workshop will be driven by openness to creativity and looking for the potential in ordinary objects.

Requirements: Each (group of) participant should bring one computer (possibly mac) laptop or desktop. To be installed on the computer:

- Ableton Live Demo installed: <http://bit.ly/19pEITO>
- Arduino software: <http://bit.ly/BAueZ>
- Makey Makey addon: <http://bit.ly/14GFyHu>
- Makey Makey code: <http://bit.ly/16MO1cO>
- Drawing app, such as Paint, Paper, Sketchbook, Picasso, or Bamboo, installed on each computer.
- Adobe PDF reader: <http://adobe.ly/9lmdV>

Participants: 15

Background: None

Length: 10.00-13.00 and 14.00-17.00

The annual re-new media art confest is a meeting-point for all those active in the art- science-technology amalgam. The event is a platform for artists, technologists, curators, researchers and scientists alike, and facilitates networking, knowledge sharing and dissemination.

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Matt Kenyon's Supermajor

Photos

Random photos from Re-news [Flickr photostream](#).



