



# HACKTERIA.ORG

*Open Source Biological Art, DIY Biology, Generic Lab Equipment*

Hackteria is a community based platform and information portal for the open sharing of knowledge, instructions, critical reflections and theoretical articles about open source art project dealing with biology | lifescience | biotechnology

<http://hackteria.org>



Hackteria is a collection of Open Source Biological Art Projects instigated in February 2009 by Andy Gracie, Marc Dusseiller and Yashas Shetty, after collaboration during the Interactivos'09 Garage Science at Medialab Prado in Madrid. The aim of the project is to develop a rich web resource for people interested in or developing projects that involve DIY bioart, open source software and electronic experimentation. As a community platform hackteria tries to encourage the collaboration of scientists, hackers and artists to combine their expertise, write critical and theoretical reflections, share simple instructions to work with lifescience technologies and cooperate on the organization of workshops, festival and meetings.

To summarise, Hackteria is:

- \* An open source 'make' resource for protocols, processes, tools, techniques and information for 'bio'-art and 'bio'-artists
- \* A group of artists and scientists who organise and hold workshops, presentations and discussion forums based on these resources
- \* A platform for the development and dissemination of knowledge related to DIY and open source hardware, software and wetware techniques for artists and researchers.



For a short introduction the following movie gives a nice overview of the Hackteria project:  
<http://vimeo.com/18052500>

# Overview of HackteriaLab 2011

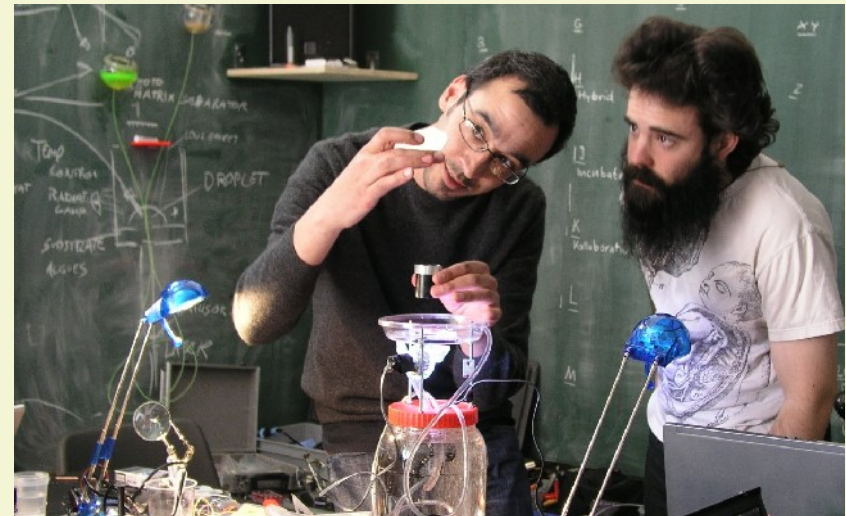
28. July – 4. August, „The Retreat“, L'Arc, Romainmôtier

6. - 7. August, „The Reflection“, Kunstraum Walcheturm, Zürich

**HackteriaLab 2011** will be comprised of two sections. The first being the creative development and research phase of the „Retreat“ at L'Arc, Romainmôtier (VD) and the second a „Reflection“ comprising the public dissemination and communication events in Yverdon, Lausanne and Zurich as the culmination of the retreat. A highly interdisciplinary and multicultural group of artists and scientists will collaborative work and share their knowlegde with various networks of Swiss artists and institutions, aswell as a public audience.

**HackteriaLab 2011 - The Retreat**, will take place from 28th July to 4th August at L'Arc, Romainmôtier, and is the second annual meeting of the Hackteria network. The Hackteria network is a group of individuals from artistic and scientific backgrounds who work to some degree with the Hackteria project. As described further in the sections below, the HackteriaLab is designed to allow between 12 and 15 members of the network to live together and work together with the aim of brainstorming and producing new work, new ideas and new methodologies and directions for the Hackteria project. A key goal of the HackteriaLab will be to develop new procedures with an awareness of how they might be applied in artistic and research environments. The HackteriaLab 2011 is envisioned as a form of a cultural retreat. By occupying a remote monastery for the period of the Lab, we both remove ourselves from distraction (a principle purpose of any monastery) and allow the experience to become more intensive for all involved. By working together, eating together and living together for the duration of the Lab, we will enter a concentrated creative space which will see an increased and enhanced output.

**HackteriaLab 2011 - The Reflection**, comprises several events throughout the whole period of the Retreat and the following weekend in Zurich. We will actively collaborate with the Maison d'Ailleurs in Yverdon, who will host an evening event for the public which will include a round table discussion and artist presentations (Date to be confirmed, 2 August). On the last day of the Retreat, we will have an open house at the L'Arc, Romainmôtier. Everybody will be invited to come and join our lab for discussions, questions, sharing of knowledge or just enjoy the HackteriaLab atmosphere. A consequitive public event will be organized in Zurich, in collaboration with Kunstraum Walcheturm, where we will hold several mini-workshops for the local audience and their children. And we will also invite for an evening of round table discussions and artists presentation to share our experiences and expertises with the local audience.



# Schedule of HackteriaLab 2011

## HackteriaLab – Retreat and Research Phase

**Thursday 28. July – Thursday 4. August, 2011 – The Retreat**

*L'Arc, Romainmôtiers*

Intensive constructivist research and discussions with invited participants. Individual and group experimentations, collaborations on new ideas and development of workshops and documentations

## **Tuesday 2. August – The Visit**

*Visit to EPFL, Lausanne*

10:00 – 15:00 Lab tours

- # **Stem cell engineering lab**
- # **IGEM lab, Bioelectronics lab**
- # **Brain and Mind Institute**

12:30 – 13:30 Lunch in mensa

15:00 – 17:00 Open/public discussions and refreshments



## Open Events for the Public

**Tuesday 2. August – The Reflection / Yverdon**

*Maison d'Ailleurs, Yverdon*

18:30 Apéro

20:00 Presentations

- # **Anna Comiotto (CH)** on Conservation of BioArt and Plastics
- # **Marc Atallah (CH)** on Science and Science Fiction
- # **Georg Dietzler (DE)** on Fungi and Future Environmentalism
- # **tba** participant from HackteriaLab 2011

21:30 Round Table on BioHacking

## **Wed 3. August – The Public Day**

*L'Arc, Romainmôtiers*

Starting from 14:00 – open end, Visit us at L'Arc, feel the atmosphere of the HackteriaLab and discuss with all participants. Join an evening of BBQ and drinks.

## **Saturday 6. August – Sunday 7. August – The Reflection / Zurich**

*Kunstraum Walcheturm, Zürich*

Sa/So 14:00 – 17:00 various workshops for general public and children

Sa/So 14:00 – 20:00 Exhibitional „LabStations“ of the HackteriaLab

Sa 19:00 Apéro

Sa 20:00 Presentations

- # **Jill Scott (AUS/CH)** on NeuroMedia
- # **Mathias Oechslin (CH)** on Neuroscience of sound perception
- # **tba** participant from HackteriaLab 2011 or Science Philosopher
- # **tba** participant from HackteriaLab 2011

Sa 21:30 Round Table on BioHacking

Sa 22:30 Performances & Jam Sessions from the living Microcosmos

# Participants

## Participants

**Andy Gracie (UK,ES)**, installation, sound, video and biological practice, co-organizer of HackteriaLab 2011

**Yashas Shetty (IN)**, experimental music, synthetic biology, IGEM project supervisor, co-organizer of HackteriaLab 2011

**Špela Petrič (SLO)**, microbiologist PhD, installations on genetics, art|sci collaborations

**Mac Cowell (USA)**, biologist, co-organizer IGEM, founder DIYbio

**Øyvind Mellbye (NO)**, electronic art, electromechanics, sound installations

**Antti Tenetz (FIN)**, eco-artist, arctic and glacier related works, naturalist and video installations

**Christian Faubel (DE)**, artificial intelligence PhD, playful robotics, overhead projections

**Kuaishen Auson (DE)**, installations, swarm behavior and ants

**Verena Friedrich (DE)**, electronics, digital and sculptural media and the use of biological material

**Maja Smrekar (SLO)**, genetic art/performances, living installations

**Sachiko Hirose (JP/CH)**, biomaterials PhD, art|sci collaborations, co-organizer of HackteriaLab 2011

**Pei-Wen Liu (TW/CH)**, soundscapes, field recordings, co-organizer of HackteriaLab 2011

**Tobias Hoffmann (DE/CH)**, neo-dadaist, radio, networked objects

**Urs Gaudenz (CH)**, microtechnology, open innovation, DIY electronics, open hardware watch

**Georg Tremmel (AT/JP)**, visual arts, GMO plants, cloning

**Monica Bello (ES)**, life research in arts, educational and curatorial production

**Georg Dietzler (DE)**, EcoArt, fungi, environmentalist

## Participants cont.

**Muhammad Hidayat, HONF (ID)**, electronics music, bacterial cultures, fermentation

**Nur Akbar Arrofatullah, HONF (ID)**, microbiology, biofuels, fermentation

**Anna Comiotto (CH)**, art conservation, plastic and food, electroluminescence, discharge plasma

**Alejo Duque (COL/CH)**, netbased art, satellite communication

**Olsen Wolf (CH)**, frontiers of science and technology, new media

**Aurelio Lucchesi (CH)**, game-design, digital composing

**Adrian Ranga (CA/CH)**, biomedical engineering, robotic tissue printing, stem cells

**Jesus Queijas (ES/CH)**, landart, social/children workshop, ecology, house-keeping

**Marc Dusseiller (CH)**, nanotechnology PhD, microscopy, DIY electronics, DIY lab tools, organizer of HackteriaLab 2011



# Organisation and Partners

## International Hackteria Society

Under the name “International Hackteria Society”, is an association according to article 60ff of the Swiss Civil Code (ZGB) with seat in Zürich, founded on March 16, 2011. The not-for-profit association aims to guarantee the organizational and financial processes of the project “Hackteria | Open Source Biological Art”. It wants to further development and access to practical knowledge in artistic engagement with the lifesciences. It wants to create platforms for public discussions and invite international artists and scientists for critical and theoretical discourse.



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## Supporters

The project is supported by Migros Kulturprozent, KulturRaum Schaffhausen, Autodesk, dusjagr labs, National Center for Biological Science, India (NCBS) and Pro Helvetia India



## Partners

In collaboration with Kunstraum Walcheturm, Atelier Nord, Kapelica Gallery, Maison d'Ailleurs, Swiss Mechatronic Art Society, Srishti School of Art, Design and Technology (Bangalore), École Polytechnique Fédérale de Lausanne (EPFL), FHNW School for Lifesciences (HLS)



**ATELIER NORD**

**Maison d'Ailleurs**

