



# dusjagr labs

ideas research movies instruments

Dr. Marc Dusseiller

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## Curriculum Vitae – Short Biography

### Dr. Marc R. Dusseiller

Citizen of Switzerland, born on 4.11.1975

Dr. Marc R. Dusseiller is a transdisciplinary scholar, lecturer for micro- and nanotechnology, cultural facilitator and artist. He performs DIY (do-it-yourself) workshops in lo-fi electronics and synths, hardware hacking for citizen science and DIY microscopy. He was co-organizing Dock18, Room for Mediacultures, diy\* festival (Zürich, Switzerland), KIBLIX 2011 (Maribor, Slovenia), workshops for artists, schools and children as the former president (2008-12) of the [Swiss Mechatronic Art Society, SGMK](#). He has worked as guest faculty and mentor at various schools, Srishti Institute of Art, Design and Technology (IN), UCSB (USA) and in Switzerland, FHNW, ZhdK, HEAD, HSLU, ETHZ. In collaboration with Kapelica Gallery, he has started the [BioTehna Lab](#) in Ljubljana (2012 - 2013), an open platform for interdisciplinary and artistic research on life sciences. Currently, he is developing means to perform bio- and nanotechnology research and dissemination, [Hackteria | Open Source Biological Art](#), in a DIY / DIWO fashion in kitchens, ateliers and in the Majority World. He is part of the [Center for Alternative Coconut Research](#) developing low-cost educational electronic hardware. He was the co-organizer of the different editions of HackteriaLab 2010 - 2017 Zürich, Romainmotier, Bangalore, Yogyakarta and Klöntal and collaborated on the organisation of the [Gathering for Open Science Hardware, GOSH! 2016](#), and the [BioFabbing Convergence](#), 2017, in Geneva.



### Marc Dusseiller aka dusjagr – short

Marc Dusseiller aka dusjagr is a nomadic researcher and workshopologist. He is part of the [Center for Alternative Coconut Research](#) and co-founder of [SGMK](#) and the [Hackteria network](#). He loves making DIWO laboratories for creative biological experimentation and works in an integral way, combining science, art and education. He has worked as guest faculty and mentor at various schools, Srishti Institute of Art, Design and Technology, Bangalore (IN), UCSB (USA) and in Switzerland, FHNW, HEAD, ETHZ. He lives and works in Zürich, Yogyakarta and Taipei. He also loves coconuts.

#### online links:

Marc Dusseiller aka dusjagr

<http://me.dusjagr.guru>

#### Short Biography

- '09 - now Co-founder of [Hackteria | Open Source Biological Art](#) and Co-Organizer of HackteriaLabs 2010 - 2017, International
- '17 - now Founding Director of the [Center for Alternative Coconut Research](#), sole proprietary company, Switzerland
- '15 Guest faculty & researcher at the [\(Art\)ScienceBLR, Srishti School for Art, Design and Technology](#), Bangalore, India
- '12 - '13 Co-Initiator and scientific program director of [BioTehna Lab](#), with [Kapelica Gallery](#), Ljubljana, Slovenia
- '07 - now Organization of festivals and workshops for the [Swiss Mechatronic Art Society \(SGMK\)](#), Switzerland
- '08 - now Lecturer for traditional materials in sculpting and hands-on lab courses at [ETH Zürich](#), Switzerland
- '08 - '12 Lecturer for [Micro- and Nanosystems for Life Sciences](#) at [FHNW](#), School for Life Sciences, Switzerland
- '06 [Doctor of Sciences "Micro- and Nanoengineering the 3D Environment of Cells in Culture"](#), ETH Zürich, Switzerland
- '01 Diploma in Material Science and Engineering, [ETH Zürich](#), Switzerland

#### Awards

- '15 Award „Werkbeitrag der [Migros Kulturprozent](#)“ for [CocoMake7 - Center for Alternative Coconut Research](#)
- '12 Nomination for award „[Zedler-Preis 2012 für Freies Wissen](#)“ for [“Hackteria, Open Source Biological Art”](#)
- '11 Award „Förderbeitrag durch [KulturRaum Schaffhausen 2011](#)“ for HackteriaLab2011, KIBLIX2011 and more
- '09 Award „Werkbeitrag der [Migros Kulturprozent](#)“ for [“Hackteria, Open Source Biological Art”](#)
- '09 Award for [“Hackteria, Open Source Biological Art”](#) by [Bundesamt für Kultur, Projekt Sitemapping](#)
- '08 Award for the best poster presentation at [NanoTech 2008](#)
- '08 2nd Prize for [“Hase Nacht”](#) at [agent-provocteur's](#) contest in january 2008, a 30 sec stop-motion movie
- '07 1st Prize for [“Duell”](#), a 10 sec pixelanimation @ [www.5-10-20.ch Shortest Silent Movie Competition](#)
- '05 Travel Award from the 2005 ASCB Summer Meeting on Engineering Cell Biology - The Cell in Context, Seattle, USA
- '03 “Lab on a Chip Award” for best poster presentation at [NanoTech 2003](#)

#### Selected Work

- '18 Workshop and performance at [„Festival Open Source Body“](#), La Gaité Lyrique, Paris, France
- '18 Art Experiment and Exhibition [„Hackteria Temporary Lab“](#) at [Garage Museum of Contemporary Art](#), Moscow, Russia
- '17 Performative Lecture as part of [„Wolken riechen“](#) at [Vebikus Kunsthalle](#), Schaffhausen, Switzerland
- '17 Workshop and Exhibition of [8Bit Mixtapes](#) at [TAXT, Taoyuan Art x Technology Festival](#), Taoyuan, Taiwan
- '17 Co-Organizer [Biohack Retreat Klöntal](#) with [Gasthaus](#), as part of [Klöntal Triennale 2017](#), Glarus, Switzerland
- '17 Group Exhibition [„Raus aus dem Digitalen Unbehagen“](#), [Kunsthaus Langenthal](#), Switzerland
- '17 Forum Speaker on [Biohacking at Xi'an Makerfaire 2017](#), Xi'an, China
- '17 Co-Organizer of [BioFabbing Convergence](#), in collaboration with [UNIGE, Idea2 - CERN](#), Geneva, Switzerland
- '17 Workshops and presentations [Japan Tour](#) in collaboration with lifepatch @ [YCAM](#), Yamaguchi and [ICC](#), Tokyo, Japan
- '17 Workshop [„Chrisper-Chäsli“](#) on CRISPR and cheese making @ [Gasthaus with Maya Minder](#), Zürich, Switzerland
- '16 Exhibition and Hackathon [„Bring Your Own Poop“](#), [P.O.S.T. Hackathon, Art Center Nabi](#), Seoul, South Korea
- '16 Consultant and participation at [K\\_Space, Gathering for DIY Space Exploration, Karkhana](#), Kathmandu, Nepal
- '16 Various [Workshops and Lectures](#) at UPenn, Genspace, UM and Michigan State, East-Coast, USA
- '16 Co-Organizer [„Festival der Mechatronischen Künste“](#), [SGMK](#), Zürich, Switzerland



- '16 Mentor at [Interactivos?16](#) „Possible Worlds“, [MediaLab Prado](#), Madrid, Spain
- '16 Presentation of Coconuts and Consulting on „[How \(not\) to start a Fablab](#)“ at [FABelgrade](#), Belgrade, Serbia
- '16 Workshop and presentation „[We have always been BioHackers](#)“ with [MAKE Munich](#), Munich, Germany
- '16 Workshop [8Bit MixTape](#) in MonoShop (Berlin), Dymax.io (Zurich), HeK (Basel) and MadLab (Manchester), UK
- '16 Co-Curator with [Boris Magrini](#) of [The Hydra Project @ Corner College, Zurich](#) and [Sonnenstube, Lugano](#), Switzerland
- '16 Co-Organizer of [Gathering for Open Science Hardware, CERN](#), Geneva, Switzerland
- '16 Guest researcher and mentor [California Nano Sonification Xperience](#), [Systemics Lab](#), [UCSB](#), California, USA
- '16 Workshop „[BioHacking meets Citizen Science](#)“, [Science et Cité](#), Bern, Switzerland
- '15 Science education [workshops with dimension+](#) @ [NTSEC](#), Taipei, Taiwan
- '15 Workshop / Bootcamp „[Open Science Hardware for Development](#)“, [HONFablab](#), Yogyakarta, Indonesia
- '15 Mentor at pifCamp „[Lab-in-the-Wild](#)“, with [Ljudmila](#), Slovenia
- '15 Collaboration on [BioAutonomy Lab](#) and development of [DIY Gynecology tools](#), [Hangar](#), Barcelona, Spain
- '15 Facilitator of diploma projects on „[Extreme Places and Extended Senses](#)“ at [Srishti](#), Bangalore, India
- '14 Organizer and active Mentor of [PiksteriaLab 2014 – Bergen](#), as part of [PIKSEL14 - beO/art](#), Bergen, Norway
- '14 Co-Organizer of [Läb\(e\) am Egge](#) in collaboration with Baggenstos & Rudolf and [Corner College](#), Zürich, Switzerland
- '14 Workshop „[DIY von Laborgeräten in der Bioanalytik](#)“, in partnership with [SATW](#), Muttenz, Switzerland
- '14 Workshop with Andy Gracie [Artistic Instruments for Submarine Exploration @ Arte y Ciencia en el Mar](#), Gijon, Spain
- '14 Workshop with Dominik Mahnič [Mestna jaga: Helsinki Rabbit Hunts](#), @ [foodycle festival](#), Helsinki, Finland
- '14 Initiator of [Randelab](#), an artist-in-residence program for forest, nature and eco-hacking, Mersihausen, Switzerland
- '14 Co-organisation of [#HSC lecture series, Hackteria Swiss Curriculum @ Corner College](#), Zürich, Switzerland
- '14 Co-organisation of [Hackteria: Biologische Kunst – Wissenschaft, Natur und Biohacking](#), Schaffhausen, Switzerland
- '14 Co-director of [HackteriaLab 2014 – Yogyakarta](#), and various [workshops across Java](#), Indonesia
- '13 [NanoHacking workshop](#) for high-school and art students, [Biofilia](#), Aalto University, Helsinki, Finland
- '13 Hackteria DIY-Biohacking: [Agar is the Media @ CynetART Festival](#), Dresden Germany
- '13 Hackteria [BioHacking Lab](#) at [Share Cyberpunk Academy](#), [REPUBLIKA Festival](#), Rijeka, Croatia
- '13 Co-organization of [poolloop Festival](#) and [Hackteria Field-trip, Starkart Gallery](#), Zürich, Switzerland
- '13 Organization of [MobileLabs Hackathon](#), [BioTehna](#), [Kapelica Gallery](#), Ljubljana, Slovenia
- '13 Workshops and presentation during [LabEasy](#) with [MadLab](#), [Arts Catalyst](#), London, UK
- '13 Co-organization of [HackteriaLab 2013 – Bangalore](#), Bangalore, India
- '13 Residency and [workshops](#) at [Lifepatch - citizen initiative in art, science and technology](#), Yogyakarta, Indonesia
- '12 Co-organization with [Denisa Kera](#) of [Nomadic Science Lab](#) during [Mutamorphosis 2012](#), Prague, Czech Republic
- '12 - '13 Initiation, lab setup and various [workshops](#) at [BioTehna Lab](#) with [Kapelica Gallery](#), Ljubljana, Slovenia
- '12 Public art-and-science lab „[NanoŠmano – LifeSystems / ŽiviSistemi](#)“, [Kapelica Gallery](#), Ljubljana, Slovenia
- '12 [Hackerspace tour](#) with Urs Gaudenz and workshops at [Machine Project](#) and [BioCurious](#), California, USA
- '12 Mentor at [Sci-Art Nanolab](#), UCLA, [CNSI](#) and [Art/Sci center](#), Los Angeles, USA
- '12 Workshops and presentation at [1st Annual Hands-On Workshop in POC Diagnostics](#), Nairobi, Kenya
- '12 Invited speaker at [SHARE conference](#), Beograd, Serbia
- '12 Workshop with Keith Lam „[X-Spirituaal Sound Hacks](#)“ at [dimension+ lab](#), Hongkong, China
- '11 - '12 Residencies at the [Center for Everything](#), Bangalore, India and [HONF](#), Yogyakarta, Indonesia
- '11 Workshop and performance with [ISRO](#) and [anyma](#) for [EXPERIMENTA! 2011](#), Bangalore, India
- '11 Co-curator of [International Festival KIBLIX 2011 „Share is in the Air“](#), Maribor, Slovenia
- '11 Keynote presentation about Hackteria at the [First UK DIYbio Summit](#), MadLab, Manchester, UK
- '11 Co-organization of workshops „[Hackteria & SGMK BioCyberKidzz](#)“, [CYW](#), [Ars Electronica 2011](#), Linz, Austria
- '11 Co-organization of [HackteriaLab 2011 | Romainmôtier/Zürich](#), Switzerland
- '11 Research based Exhibition „[NanoŠmano – Šmall Matter](#)“, [Kapelica Gallery](#), Ljubljana, Slovenia
- '11 Hackteria workshops at [Pixelache 2011](#), (Finland), [MechartLab](#) (Switzerland) and [l'MM hackerspace](#) (Croatia)
- '10 Research based Exhibition with [Stefan Doepner](#): „[NanoŠmano](#)“, [Kapelica Gallery](#), Ljubljana, Slovenia
- '10 Hackteria [BioElectronix](#) workshop and SGMK [diy makeaway](#) at [ISEA2010](#), Dortmund, Germany
- '10 Workshop for Teachers [DIY Microscopes](#), [Technorama](#), Winterthur, Switzerland
- '10 Workshop [SlowGames](#), in collaboration with René Bauer, Bachelor in [Game Design](#), [ZHdK](#), Switzerland
- '10 Organisation of the first [Hackteria Lab](#), [Dock18](#), Zürich, Switzerland
- '09 & '10 [Playaround Workshop](#) in collaboration with [dimension+](#) and [NTUA](#), Taipei, Taiwan
- '09 Foundation of [Hackteria | Open Source Biological Art](#) and Bio-Art workshops at [Piksel09](#), [videotage](#) and others
- '09 & '10 DIY and Bio-Art Workshops during [cellsbutton#03](#), [Gadjah Mada University](#), Yogyakarta, Indonesia
- '09 Bio-Art Workshops at CEMA, [Srishti School for Art, Design and Technology](#), Bangalore, India
- '09 - '15 Co-organization and workshops for the [poolloop Festival](#), '09, '11, '13, '15, Zurich, Switzerland
- '09 Collaboration on the installation [Garage Astrobiology @ Interactivos?09](#), [Medialab Prado](#), Madrid, Spain
- '08 Workshop at playaround (Taiwan) organized by [microplayground](#), in collaboration with [NCTU](#) and [ITRI](#), Taiwan
- '08 Cooperation on interactive media sculpture [“The Electric Retina”](#) with Prof. Jill Scott, Zürich, Switzerland
- '07 & '08 Coordinator of [diy\\* festival](#), Zurich, Switzerland

## Further documents online:

- Selected presentations and talks <http://www.slideshare.net/dusjagr/>
- Youtube <http://youtube.com/user/dusjagr>
- Vimeo channel <https://vimeo.com/dusjagr>
- Facebook <https://www.facebook.com/dusjagr>



## Main Projects

### Hackteria | Open Source Biological Art (international network and webplatform, Reg. Society with seat in Zürich)

Hackteria is a webplatform and 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 wiki-based web resource for people interested in or developing projects that involve bioart, open source software/hardware, DIY biology, art/science collaborations 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 life science technologies, develop open source hardware for generic laboratory infrastructure and cooperate on the organization of workshops, temporary labs, hack-sprints and meetings. The hackteria project has been supported by: Sir Ratan Tata Trust, KulturRaum SH, Pro Helvetia, Migros Kulturprozent and more.



#### online links:

Hackteria | Open Source Biological Art <http://hackteria.org>  
Hackteria Wiki <http://hackteria.org/wiki/>  
Press / Media about Hackteria <http://hackteria.org/?cat=49c>

### GOSH – Gathering for Open Science Hardware (global network and yearly conference)

The Gathering for Open Science Hardware (GOSH) is a diverse, global community working to enhance the sharing of open, scientific technologies. We first came together in March 2016 at CERN for the first Gathering, which was all about connecting people and sharing stories, creating coherent ideas about what open science hardware is, and dreaming about what it might be. One of the main outcomes was the GOSH Manifesto, a clear statement of our shared values and intention. The goal of GOSH includes concrete outcomes for individual participants, like sharing experiences as users and developers of open science hardware, identifying best practices, collaborating to create opportunities and address failures, and building lasting friendships. The ability to use, study, replicate, and improve scientific instrumentation is a central part of experimental science, and plays a crucial role in public life, research, and action. However, these activities are currently restricted by proprietary instrumentation, which is difficult and expensive to obtain and maintain, since they cannot be fully inspected, evaluated, or customized. This situation is fundamentally detrimental to the production of knowledge and its potential for creating equitable and sustainable solutions. The Open Science Hardware (OSCH) community therefore seeks to bring together developers and users of scientific tools and research infrastructures to support the pursuit and growth of knowledge through global access to hardware for science.

#### online links:

Gathering for Open Science Hardware <http://openhardware.science/>  
GOSH Roadmap <http://openhardware.science/global-open-science-hardware-roadmap/>

### Swiss Mechatronic Art Society

#### Schweizerische Gesellschaft für Mechatronische Kunst, SGMK (Reg. Society with seat in Zürich)

The Swiss Mechatronic Art Society (SGMK, established in 2006) is a collective of engineers, hackers, scientists and artists that joined to collaborate and promote on creative and critical uses of technology. They develop DIY technologies, collaborate with social and educational institutions, run the diy\* festival and the public „MechArt Lab“ in Zurich, and organize workshops in electronics, robotics, physical computing, diy-biology, lofi-music. SGMK has been supported by Bundesamt für Kultur, Migros Kulturprozent, Stadt Zürich and more.

#### online links:

SGMK - Swiss Mechatronic Art Society <http://www.mechatronicart.ch>

### Center for Alternative Coconut Research (Reg. Sole proprietorship company with seat in Zürich)

Funded in 2011 in Goa, India, with the aim to foster a critical discussion about appropriate technology for education and the use and sharing of traditional knowledge in manufacturing in the Majority World. We have initiated several projects with a team of international hardware developers, educators and designers to tackle the issue of affordable and appropriate educational tools for digital interactivity, such as the BabyGnusbuino, an arduino-compatible educational platform that can be locally produced for approximately 2€ or very recently the CocoMake7.

#### online links:

CocoMake7 <https://cocomake7.github.io/>  
8Bit Mixtape <http://8bitmixtape.cc/>