

CURRICULUM VITAE

Erik Hoff (Zepka) is a Danish-Canadian researcher specializing in biology, science communication, open access, and interdisciplinary projects. He has lab experience in a variety of fields including vaccine design, chemical analysis, sensor devices, pathological diagnosis, genetic engineering and environmental health. After a degree in Philosophy and Science which focussed on biological research, concepts and their public communication, he worked for a couple of years in medical labs and centres throughout Greater Vancouver. Through the 2010s he conceived and cofounded the Open Science Network, a citizen biology lab dedicated to local and international education and research. Through XOX Labs and other ventures, this has grown in a consistently international manner, creating and running research programs from New York to Shanghai. He has presented and published papers at Uvic, Aarhus University, MIT and University College Cork - taught and lectured at NJIT, UBC, NYU and the Simon Fraser University Institute - and helped design and run laboratories at ShanghaiTech, Guangzhou Academy, MakerLabs and Tongji University. His chief interests are to learn and engage in medical and scientific questions while making them accessible and understandable to the public.

*xoxlabs@gmail.com
xoxlabs.com*

SELECTED PUBLICATIONS, COURSES, RESEARCH AND LECTURES

2021:

- * *Creativity and Environmental Models* – Practical Knowledge Panel, Yekaterinberg Russia
- * *Data Science, Food and Limnology* – Stattwerkstadt for Ars Electronica, Linz Austria
- * *Number Architecture* – RAW, Myrmala, Helsinki Finland
- * *Memento Casu* – Computer Model, ELO 2021, Aarhus Denmark
- * *Bioecologies* – ISEA2021
- * *Technobiotics of Others* – Paper and Presentation Xcoax, Graz Austria
- * *After Shot* – Curation, Taipei Festival, Taiwan

2020:

- * *Models to Imagine What It's Like to Be Human* – BRAC University, Bangladesh
- * *Circular Laboratories* - Centre for Excellence in Basic Sciences, Mumbai India
- * *Why Sentience?* - ISEA 2020, Montreal Canada
- * *Alien Ecologies* – Bioriidl, Mumbai India
- * *The Ethics of Epistemological Materialism* – Taboo Transgression Transcendence, Vienna Austria
- * *Capsule Spectres* – Star Labs, Dhaka Bangladesh

* *Biocapitalism and Consuming Inaction* – Fish Center, Taipei Taiwan

2019:

- * *Molecular Biology Lab Design and Implementation* – ShanghaiTech University
- * *A Treatise on Vegetable Logic* – ELO 2019, University of College Cork Ireland
- * *From Weird Avatars to the Investigation of Whatever* – Guangzhou Academy, Guangzhou ``
China
- * *Plebe Biosynthetics* - Chronus Center, M50 Park China
- * *Rational Games for Biological Systems* – ISEA 2019, Gwanju, Korea
- * *The Art of Sustainable Science* – Tongji University, Shanghai China
- * *Forest Curriculum* - Tentacles Space, Bangkok Thailand

2018:

- * *Public Science in a Globalized World* – Engineers.SG Forum, Singapore
- * *The Cave and the Biomathematician* – Pearl Museum China
- * *Immunological Problems of Robot Globalization* – FAN4, Ho Chi Minh Vietnam
- * *Water Architecture* – YeahNah Gallery, Xuhui China
- * *Bacterial Garden* – Collaborative Installation, Laforet Museum, Tokyo, Japan
- * *Module Design for Multileveled Education* – Biobuild Lab, Yangpu China
- * *Immune Models* – Scientific Presentation, Bioclub Japan
- * *Science Fictions for the Robot Class* – Round Table and Talk Series, Maker Labs , Vancouver
Canada
- * *Cellophane Causality* – Android Created Wall Unit for Access Auction

2017:

- * *Alimentary Systems* – Series of Interactive Workshop Discussions for Tech Fest, Copenhagen,
DK
- * *Mixed Reality Aesthetics* – Lecture on Sartorial Rhetoric @ University of London, UK
- * *Probes in Our Fertile Futures* – Talk and Performance for Border Sessions, the Hague,
Netherlands
- * *Taboo, Transgression and Transcendence* – Memetic Lecture @ Ionian University, Corfu,
Greece
- * *Unspeakable Vessels* – Interactive Multimedia Installation @ Babycastles NYC
- * *Silent Platforms* – Round Table on Disability and Technology, for Physicalist Marginalia,
Manhattan)
- * *Rationing the Machine* – Scientists & Artists on Technology, NJIT Writing Center
- * *Food-Controlled Internet* – Installation, New York University
- * *Cybertext* – Course designed and taught at New Jersey Institute of Technology

2016:

- * *The Travails of Open Science* – talk for Natalie Jeremijenko's Environmental Art Class, NYU
Steinhardt
- * *Thirst is Everything* – Poster booth, Knockdown Centre, NY
- * *Speculative Cartographies* – Multimedia work, Whitney Museum
- * *Bio Art and Distributed Agency* – Lecture, MakerLabs
- * *Imagination at Work* – Exhibit, Chelsea College of Art
- * *Identity Protocols* – Algorithmic Corporate Paraphernalia, Tate Modern in the Turbine Hall
- * *Books* – Curation and Exhibition

- * *Sustainable Gamification: Vegetablizing The Ludosphere* – biological game for IRL:URL
- * *Democracy and the Technological Society* – lecture course at Decentral
- * *Community and the Tools of Knowledge* – Makers Education Series, BCIT
- * *Immunology and Contemporary Medicine* - Laboratory

2015:

- * *The New Flesh* - Biology and media curation
- * *Kawaii Radiation Demonstration* - UV Radiation Exhibit for Spark!
- * *Vaporwave* – Presentation for VIVO
- * *An Introduction to Open Sensors* - Course at MakerLabs
- * *Refraction* - presentation @ ISEA 2015
- * *Science Fiction Realism* – Paper for Furtherfield Journal
- * *Pleioscene Empires* - Coaxial, Los Angeles
- * *Between Art and Science* - Lecture for Curiosity Collider Organization
- * *Synthetic Selves* – essay for London Technological Publication
- * *Holbein in Space* - Western Front, Vancouver BC
- * *Comprehensive Malfunction* - Skylight Gallery

2014:

- * *Cloud Makers and Open Tech* – open access and technology @ MakerLabs Opening
- * *DIY Cartographies* - Cohn Drennan Texas USA
- * *Decrypt So Much as Blemish* – publication - Nauseated Drive
- * *(Fate) A Roll of the Dice Will Never Abolish Love* – Computational Model – Wargamez Leipzig
- * Digital Humanities Summer Institute @ UVIC
- * *Teratosynchresis* @ Videographe Montreal Canada
- * *rust, chortle, effete* – presentation @CultureHub NYC
- * *Medical Fashion Quarterly* – Publication
- * *The Tendency Towards Dendrite Moralism* - Franklin Studios, Vancouver
- * *Computers and Capital: The Rise of Digital Currency* - CoinFest Vancouver
- * *Elastic Mettle* - publication Dusie Press

2013:

- * *Technoscience and Participation* – Panel for the SFU Institute
- * *Flesh and Structure* - Exhibition curated for The Wrong Biennale, Sao Paolo
- * *Science for the People* - live performance and exhibition, Gallery Online
- * *gHcY Δ r+---VVVVV!T-* - discussion panel @Neutral Ground, Saskatoon
- * *Creativity, Science and Art* - Culture Hub, New York City
- * *Objects* – Lecture Seminar, UnderAcademy College, Sweden
- * *Terem* – Exhibition @Bronx Space, NYC
- * *Phonics Abrogate* – Presentation @ The Western Front
- * *Or, the Modern Prometheus* – Computational Model for SPAMM, Paris & NYC

2012:

- * *The Data Pedestal* - Presentation for GET>PUT, Little Berlin, Philadelphia USA
- * *Logical Fetishism* – Computer System for Transfer 3D, Wroclaw, Poland
- * *Systems of Existence* – Code Model, Los Angeles USA
- * *The Material Glitch* - Exhibition Curated @ Quinary Art Projects

- * *The Investigation of Whatever* - Course designed and taught @ UnderAcademy College - Term 1 & Term 2
- * *Crumbles Capably* – NLP for BINGE, Vancouver Canada

2011:

- * *Environmental Health Analysis* @ Soon Lab
- * *The Cadaver, the Comatose and the Chimera* Evolutionary Algorithms with Stelarc @ Lamama Courthouse, Melbourne, Australia & Nabi Museum, Seoul
- * *We Give a Shit Because We Care* - Installation and Publication w/ Catherine Chun Hua Dong for Ill Repute Series, Helen Pitt Gallery
- * *ZSW - M* - Gamm Press in Italy
- * *Electra Misunderstood as an Allusion to Eve* - Multimedia Presentation, Bridge & Tunnel Gallery
- * *Sample Text* - video and robotics installation for Picturing Intuition
- * *Prefatory Remarks* - Historical/Philosophy Essay for Publication Studios Vancouver Curatorial Book Project, for Ill Repute Publication

2010:

- * *Genetics Teaching Lab* – Michael Smith Laboratories, UBC
- * *Vancouver Pathology Museum*, Vancouver General Hospital
- * Modelling Research for *The Cadaver, the Comatose and the Chimera* with Stelarc, Daniel Mounsey and others, Lamama Courthouse, Melbourne, Australia
- * *Philosophy of Technology and the Body* (Course designed and facilitated) University of British Columbia
- * *Censes* - The Cutting, VIVO
- * Edges Festival for Media
- * *Trotzdem Ja zum Leben sagen* - series, Graphic Tales
- * *Eat the Feeling* - Machinima for React2010, Alternator Gallery Exhibition for Olympics
- * *Technotransit* - Video essay for Grace Organization during the Vancouver Olympics

2009:

- * *Technomaterialism and Biotic Rupture* - Conference Paper and Presentation, Material Affinities Symposium, UBC
- * *Philosophy and Science* Degree with a Medical Research Focus, University of British Columbia (Spring 2009)
- * ISEA 2009, Golden Thread Gallery, Belfast
- * *Xenoplasy* - Lecture, Poodle Dog Cafe
- * AI Agents w Stelarc, Museum of Contemporary Art, Lyon, France
- * *Ars in Ara, Ara Pacis*, Roma
- * Humlab, Umeå University, Sweden
- * Algorithmic Research, ePo Festival, Barcelona, Spain
- * *Models for Knowledge*, Spark Festival, University of Minnesota, Minneapolis

2008:

- * *Vaccine Design* for Gates Project @ Hancock Lab
- * *Gradual Effector, Sentence* - pixel work for Word for Word
- * Avatars, xxX.tenxion, IT-Inkubator, Regensburg
- * Pikselfest 08, StudioUSF, Bergen, Norway
- * *Tolerances* - Front Magazine

- * *Arena*, Museo del Metaverso
- * *Inhuman Resources*, Alternator in Kamloops Canada
- * *Indflette* - NPC Journal
- * *Nanaja Leizaku*, - Critical Essay - Critiphoria
- * *Pshed.meshye* - Big Bridge
- * Hamburger Klangwerkzeuge, Kampnagel, Hamburg
- * *Somnambulist* – forwardtext, Helsinki

2007 and earlier:

- * *Devil's Rope w the Remix* - Interactive Futures
- * *Coupremine* – Academic Journal Project
- * *Epäjohdonmukaisuus* - Nokturno, Finland
- * *Cytologies* - Skicka, Sweden
- * *Basura, Precio* - Garage103 in Nice, France
- * *Hue.co* - otoliths, Australia
- * *Pachetul de Interese* – DOI, Romania
- * *NLD Cottage* - Venereal Kittens
- * *Endomorph Saurian* – Nuls, France
- * *Nantosvelta* - W Magazine
- * *Xenografts* – VILT, Belgium
- * *Ideolemma* - Zinhar, Turkey