

Tosca Terán • www.toscateran.com • www.nanotopia.net Instagram: @mothantler

Installation/performance (select list):

2025: Ukrainian Biennale of Digital & Media Art. Performance of Symbiosis/Dysbiosis, The Museum of the History of Kyiv.

2025: HEAT Festival invitation to perform hybrid VR theatre of Symbiosis/Dysbiosis, Alliance Française Cape Town, South Africa.

2025: Raindance Film Festival Immersive, world premiere of HOMMAGE VR experience. Nominated for Best Art World and Best Art Experience awards.

2024: Symbiosis/Dysbiosis: Sentience XR installation-performances. Invited world premiere at the Venice International Film Festival Immersive. 36 sold out shows over the course of the festival.

2023: Symbiont::MyceliOhms 7-month installation w/ live quadraphonic performance for Symbiosis opening reception at the AGGV, British Columbia

2022: Live quadraphonic & VR performance of Mycelia for Nordwind Festival Berlin- Cyber Attack: Digital Art & Activism at Sensorium Space, York U, Ontario.

2022: MycoDome-quadraphonic-biosonification performances at Larry Spring Museum, Fort Bragg California - Funding provided by California Arts

2022: Biodata Live electronic performance & presentation at Hallwalls Contemporary Art Center, New York Sponsored by the National Endowment of the Arts for Coalesce Center of Biological Art.

2021: Chaos Consortia • Sound & visual performance for “In Space Grey” DARC Ottawa & Knot Gallery Space

2021: Ars Electronica invitation to install 6 channel soundscape of Forest UnderSound at Kepler’s Garden, Linz Austria

2021: Mycelia invited special event live VR performance for the 78th Venice Film Festival

2019: Bio-Sonification: Non Human Collaboration experience for Vector Festival in partnership with MOCA- 1st floor installation at the Museum of Contemporary Art Toronto

2019: Mycelium Martian Dome project • 2.4M’x5M mycelium built geodesic dome with living mycelium sculptures/bio-data soundscape. Ontario Science Centre in partnership with MOCA

2019: ENERGY installation with daily performances Rm:206 for Grow-Op, MycoRemediation, Bio-sonification. Winner of the People’s Choice Award.

2019: FACTT Festival of Art & Science: Myco Battle trans-disciplinary event. Installation at UofT

2018: Náttúrulegt, Obvara bio-sonification installation, Icelandic Arts Association Gallery, Reykjavik Iceland

2016: POP1 & POP2 soundscapes for POP VR New Narratives at Tiff Lightbox, Toronto, ON

Presentations/artist talks (select list):

2024: Invited guest judge for Raindance Film Festival Immersive.
2023: Invited adjudicator for the Ontario Arts Council - New Media Projects
2022: Invited to create and host an episode of the Goethe Institute's, The Big Ponder podcast, The Sound of Nature episode. <https://www.goethe.de/prj/tbp/en/eps/son.html>
2022: Invited panelist for Nordwind Festival Berlin's, Cyber Attack: Digital Art 7 Activism.
2022: Invited to present Symbiosis project for NEOsVR Education & Science group CUNY Brooklyn. Presentation held within NEOsVR with colleague/collaborator Neuroscientist Brendan Lehman.
2022- 2023: Invited artistic director at The Venice Biennale Cinema College VR, Venice Italy.
2021: Brilliant Labs Speaker Series: Designing with Nature. How can we collaborate with nature and biological systems to make art? Presentation for Middle School students and teachers across Canada via Zoom.
2021: Invitation to present and host Democratizing Mushroom Cultivation: Fungal Bio Materials workshop for the University of Windsor Incubator BioArt Lab.
2020: bio-sonification performance & presentation for Women in Immersive Technology, and The Goethe Institut Montreal in AltSpaceVR
2020: Invitation to present and participate in The Goethe-Institut's New Nature- an immersive Media & Climate Science Exchange between Germany, Canada, Mexico, US
2019: Mapping w/Slime Mould for the Toronto Biennial, Toronto Canada
2019: Sculpting with Mycelium & bio-sonification presentation, Bigci Bilpin Australia
2019: Bio-sonification: Non-Human collaboration performance, Studio 6, Auckland, NZ
2019: ArtSci Salon in partnership with the Mycological Society of Toronto, Fantastic Fungi Futures presentation at the Fields Institute University of Toronto

2019: Lecture/presentation on fungal bio-materials and bio-sonification University of Toronto for Rendezvous with Science
2018: From Cell to Canvas: Creative explorations of the microscopic, artist presentation/ talk at the Fields Institute, University of Toronto
2018: Lecture/presentation on fungal bio-materials and bio-sonification at Myndlistaskólinn Í Reykjavik, Iceland
2018: Lecture/presentation on fungal bio-materials and bio-sonification University of Toronto for iSkills

Publications/media (select list):

2025: Symbiosis/Dysbiosis: <https://doi.org/10.1145/3721244.37424>
2025: Voices of VR, interview w/Kent Bye for HOMMAGE
2024: Birdmen Magazine Italia – Intervista a Tosca Terán aka Nanotopia
2024: Creating Reality interview, Tosca Terán joins Michael Barngrover of XR4Europe for an in-depth discussion about creating VR experiences with EEG and bio-electrical data streams
2024: Dr VR Podcast - Sentience and the Future of Participatory XR
2021: Embodied Forest, Ecoart Space publication features Forest UnderSound
2021: Forest UnderSound, Glasna Music Magazine feature interview for Fall issue
2021: Play that Fungi Music, Ferment Radio w/Agnieszka Pokrywka
2021: Song of the Mushrooms, featured in The Mushroom UK, Spring/Summer issue
2021: Interview for NAISA's Making Waves program, aired and archived at Wavefarm, NY
2020: Interview for DubLab's Sound Science podcast with neuroscientist Dr Yewande Pearse
2019/2021 Mycelium Martian Dome project cited by NASA Ames Research, Fungi OffPlanet

Publications/media cont:

2019: Slime Mould in Arts and Architecture, Chapter 8 Slimedia: Physarum as Medium and Cultural Mediator, Edited by, Adam Adamatzky

2019: Invited to exhibit and hold bio-sonification workshop at ISEA2019 South Korea

2019: Interview for Music Works Magazine Winter issue #135. Mycelium Music Exclusive bio-data recording for included CD

2019: What do mushrooms sound like? Live interview on ABC's Statewide Drive with Fiona Wyllie, Sydney, Australia

2019: Interview for Fall issue of Ground quarterly, Ontario Association of Landscape

2018 GIY Maker Spotlight w/Grow.bio - Ecovative Design, NY USA

Awards/Residencies:

2024: awarded Medienboard Berlin-Brandenburg grant for Symbiosis/Dysbiosis

2023: Awarded Ontario Arts Council project grant

2022: Awarded Canada Arts Council Research and Creation grant and Composite grant

2022: Awarded 2-month residency at Larry Spring Museum, Fort Bragg California - Impact grant from the California Arts Council

2021: Awarded the Spirit of the Festival award for Mycelia, Raindance Film Festival

2021-22: Invited GEM Coalesce Artist in Residence at the Coalesce Centre for Biological Art University at Buffalo

2021: Ars Electronica Honourable Mention for Forest UnderSound

2020: Dames Making Games in partnership with Trinity Square Video: Remote Realities residency recipient. Residency supports a mixed reality project with technical support, production costs, mentorship, and presentation/exhibition.

2019: Jury's Choice award for Grow Op at the Gladstone Hotel, the Award is presented for exceptional work that best responds to the conceptual direction behind the show.

2019: BigCi Environmental Award recipient for Bilpin International Ground for Creative Initiatives. Unesco heritage site in Wollemi National Park, Greater Blue Mountains, Australia

2018: Awarded 1-month residency with the Icelandic Arts Association Sími, to further research in Obvara mixtures working with locally harvested yeasts, sugars, grains. Korpúlfstadir, Iceland

2018: Canada Arts Council Arts Abroad grant recipient.

2018: Ontario Arts Council project grant recipient

2016: Artist Honorarium Tiff Bell Lightbox for POP1&2

2014: Ontario Arts Council, Project Grant- creation & development

2013: Glass Art Association of Canada, Project Grant recipient

Education (varied, select): My education spans apprenticeships to intensive and/or private workshops with experts in their fields. A professional Metalsmith for over 30 years, glass artist for over 15 years. Both disciplines incorporated my sound and electronic works and interests in microbial, fungal life and physics. Making the micro, macro, the invisible, visible.

2016-2018: CRISPR-CAS9 Study with Dr Marta De Menezes,

2017: Video mapping for theatre, ARKit, Wekinator, AR & Machine Learning, Processing I/A

2017: Indigenous Canada program certificate University of Alberta

2015/16: Audible objects- Arduino programming with Leif Blomquist of MDA- I/A Toronto

2015/16: Unity programming for VR/Augmented reality, I/A Toronto

2002-2003: Intro to sensors, PD, Max/MSP & Microcontrollers. Instructor: Various, I/A Toronto

1992-1995: Java script, Unix, html, Photoshop- Collage of Santa Fe, NM

Experience (instructor and other-select):

2025: Creative Europe, guest artist instructor Brussels, BE

2023-2024-2025: VCV Modular Synthesis Workshops at DARC, Ottawa and Interaccess Toronto.

2022- 2023: Invited tutor/artistic director at The Venice Biennale Cinema College VR, Venice Italy.

2021: Brilliant Labs - Designing with Nature guest artist instructor. How can we collaborate with nature and biological systems to make art? Presentation for Middle School students and teachers across Canada via Zoom.

2021: Guest artist-instructor, BioArt Lab Windsor University, On, Canada

2018-present: Guest artist-instructor, InterAccess.org, Toronto, Canada

2018-2020: iSkills Guest Artist-Instructor, University of Toronto, ON, Canada

2016: Guest Editor, ICEView Magazine, Skagaströnd/Reykjavik Iceland

2016: Volunteer Docent and Fox trainer/care-taker, Arctic Fox Centre/Melrakkisetur, Suðavik Iceland

2015: Raku kiln construction, design/build at Gullkistan Centre for Creative People, Laugarvatn, Iceland

2007-2012: Creative Science guest artist-instructor, Ontario Science Centre, ON Canada

2006-2013: Guest lecturer/visiting artist-instructor at Mary Ward HS, Toronto, ON Canada

2008: Guest artist instructor, Continuing education YMCA Special Ed Art Program, Toronto, ON Canada

2003-2005: Gallery Founding/programming director at *new* conceptual craft gallery, Distillery District Toronto, ON Canada

2003-2004: Instructor at Fishbowl Goldsmithing Studio, Distillery District Toronto, ON Canada

2001-2003: Volunteer programming assistant for MAG (Metal Arts Guild), Canada

Professional affiliations:

2025: invited member, Société des arts technologiques SAT Montreal

2021- present: member Canadian Association for Sound Ecology

2020-present: Founding Board member, The Mycelium Network Collective