

## **Tosca Hidalgo y Terán**

b. SF Bay Area, the unceded ancestral land of the Ohlone people. Migrated to Canada 2001/PR 2011  
Interdisciplinary artist and artistic researcher  
She/They

**Website:** <https://www.toscateran.com>

**Bandcamp:** <https://www.nanotopia.bandcamp.com>

**SoundCloud:** <https://soundcloud.com/nanotopia>

**Instagram:** @MothAntler, @nanotopia\_net.

ORCID iD: 0009-0003-4439-5833

## **Selected Artistic Research Projects & Installations**

### **Symbiosis/Dysbiosis (2021–2025 )**

Immersive VR theatre-installation exploring human–fungal relations through bio-responsive sound, spatial narrative, audience EEG and live performance. Developed through listening-based research with living mycelium and performers, the project treats immersive technology as a relational system rather than a representational tool.

### **Symbiont :: MyceliOhms (2023)**

7-month installation and live quadraphonic performance translating fungal bio-electrical activity into a soundscape and spatial experience.

### **The Mycorrhizal Rhythm Machine (2021-2022)**

A Fungi and Sprout music generator. Fine electrodes placed within roots of Arbuscular and Ecto mycorrhizal plants receive biodata and translate this activity into control voltages which trigger micro-controllers/solenoids enabling the plants to play various instruments, creating a symbiotic symphony of sound.

### **Forest UnderSound (2020–2021)**

Multi-channel sound installation developed through field

listening and ecological inquiry, treating forest environments as sonic collaborators. Ars Electronica honourable mention. Work installed for SONICA21, 6-channel sound installation at Kepler Gardens, Linz

## **Performance & Installation (selected)**

**2026** — *Quadrasonic Soundscape-Bath Performance for Prince Edward County Arts Community, Picton, ON Canada*

**2026** — *Symbiosis*, PXR installation-performance, Theatre Passe Muraille, Toronto & VIVO Media Arts Centre, Vancouver

**2025** — *Symbiosis/Dysbiosis performance*, Ukrainian Biennale of Digital & Media Art, Museum of the History of Kyiv

**2025** — *Symbiosis/Dysbiosis*, HEAT Festival, Alliance Française Cape Town

**2024** — *Symbiosis/Dysbiosis: Sentience*, Venice International Film Festival Immersive, premiere (36 performances)

**2023** — *Symbiont :: MyceliOhms*, Art Gallery of Greater Victoria

**2022** — *Mycelia*, performances for Nordwind Festival Berlin / Sensorium Space, York University

**2022** — *MycoDome*, Larry Spring Museum, Fort Bragg, CA

**2021** — *Mycelia opening night performance for AMAZE. / Berlin. Invited special event performance for Venice Immersive, Nominated and won the Raindance Immersive Spirit of the Festival award.*

**2021** — 6-channel installation of *Forest UnderSound*, Ars Electronica, Kepler's Garden, Linz

**2019** — FACTT Festival of Art & Science: trans-disciplinary event. Installation.

**2019** — *La Planete Sauvage: Moving Away from Human-Centred Work Beyond Anthropocene*. Installation/exhibit for DesignTO Festival, Toronto

**2018** — Náttúrulegt, installation Reykjavik Iceland, Icelandic Arts Association Gallery

**2018** — *Chaos Fungorum*, installation-performance for Nuit Blanche. Baba Yaga Collective studio/gallery, Toronto

**2016** — POP1 & POP2 soundscapes for POP, showcasing virtual reality, via a series of three summer pop-up installations Toronto Bell Lightbox  
**2014** — OCCAM'S RAZOR, Idea Gallery at the Ontario Science Centre & Propeller Centre for the Visual Arts Toronto  
**2013** — xBEAST, video, glass, performance – Maison de Verre for GAAC Calgary, Alberta CA  
**2010** — Infinitarium of Nanotopia, video, glass, performance installation, at The Theatre Centre, Toronto  
**2009** — SOFA, An UnNatural History installation Featured artist represented by Urban Glass, Park Avenue Armory US  
**2005** — Wild:Entity installation, Toronto Design Exchange & World Expo Aichi Japan  
**2004** — Orbis Tertius installation-performance, new Gallery, Toronto  
**2004** — Tehkne Harbourfront Centre's Uncommon Objects invitational in conjunction with Digifest04, Toronto  
**2003** — Transgenic Morphosis installation for Digifest's Electronic Cities The Design Exchange, Toronto  
**1998** — Taos, New Mexico's next generation of artists, curated by David Witt Director of the Harwood Museum Taos, NM US

## **Publications & Media**

2026 — Fungal Matters, Catherine Euale  
 2025 — Symbiosis/Dysbiosis abstract, ACM Digital Library  
 2025 — Voices of VR, interview with Kent Bye  
 2024 — Birdmen Magazine Italia, interview  
 2022 — CBC Undercurrents, live radio interview  
 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  
 2020 — "Tosca's got a brand new spawn bag" studio interview #135 Winter issue of Music Works. Exclusive track for Music Works included CD, The Dye Maker  
 2019–2021 — Mycelium Martian Dome cited by NASA Ames Phase II Mycotecture Off-Planet Research  
 2019 — Slime Mould in Arts and Architecture Edited by Andrew Adamatzky. Work cited in Chapter- Slimedia: Physarum as Medium and Cultural Mediator  
 2020: Listening Party for The New Nature Exchange hosted by the Goethe Institute Montreal/ Berlin  
 2019: What do mushrooms sound like? Live interview on ABC's Statewide Drive with Fiona Wyllie, Australia  
 2019: Interview for Fall issue of Ground quarterly, Ontario Association of Landscape  
 2013: Ignite magazine, artist interview Web magazine San Francisco  
 2011: Etsy commissioned Handmade video portrait of artist-global Pascal Perich  
 2008: Summer Issue (SNAG) Metalsmith Magazine – Studio feature, artist interview  
 2005: 500 Pendants, Lark Books "Tales of the Propeller People" featured  
 2005: Featured on Culture.ca, for Digifest Goes Wild @ the Design exchange  
 2004: Featured artist on the Poster for Toronto's Home + Style tour  
 2004: Featured artist interview in Ontario Craft Magazine, Toronto

## **Residencies, Grants & Research Support**

**2027** — Ars BioArctica, at Kilpisjärvi Biological Station Finland  
**2026** — Mustarinda Artist-in-Residence, Finland  
**2026** — Vanha Kaivos Residency, North Karelia  
**2024** — Medienboard Berlin-Brandenburg project grant  
**2023** — Ontario Arts Council project grant for Symbiosis

**2022** — Canada Council for the Arts, Research & Creation  
**2021–2022** — Coalesce Centre for Biological Art- SUNY Buffalo Residence  
**2021** — Ars Electronica, Honourable Mention (*Forest UnderSound*)  
**2020** — Remote Realities: Symbiosis WIP mixed reality experience conceptual verification with test-subject feedback, Dames Making Games & Trinity Square Video residency  
**2019** — BigCi Environmental Award, Australia  
**2018** — Residency with the Icelandic Arts Association SíM, to further research in Obvara mixtures working with locally cultivated yeasts  
**2018** — Short-listed for the Mikw Chiyam artist-teacher residency, Quebec Canada  
**2018** — Nes 10yr Alumni Anniversary Celebration Invitational to hold Metal + Glass workshops for the month of June and Exhibit work in Akureyri and Skagaströnd Iceland  
**2017** — Awarded the Ayatana Scientific Research Program for artists (Infinitesimal) Carleton University, University of Ottawa, Museum of Nature, Ontario/Quebec Canada  
**2016** — Nes Artist Residency – 3-month residency Skagaströnd, Iceland  
**2014:** — Ontario Arts Council, Project Grant- creation & development - develop studio glass technique  
**2013** — Glass Art Association of Canada, Project Grant recipient  
**2011** — Awarded PAIR Pilchuck Glass school - collaborative residency Stanwood Washington US  
**2010:** — Awarded General work-study scholarship, Penland School of Crafts, US  
**2010** — Awarded Full scholarship, The Studio at the Corning Museum of Glass US  
**2010** — Awarded Partial scholarship, Pilchuck Glass School, US  
**2007-2010** — Resident artist/instructor, Ontario Science Centre, Toronto, ON

**2005** — Recipient of the New Voices award for, The Entity - Digifest Goes Wild - Design Exchange, Toronto

### Teaching & Knowledge Exchange

2026 — UnitedXR Europe AWE + Stereopsia. Entangled Perception: Sensory Methods for Microbial Knowing presentation invited speaker, Bruxelles  
 2026 — Presentation & panel discussion CSSM, University of Helsinki  
 2026 — Guest-artist presentation for New Media students at Toronto Metropolitan University- in VR.  
 2026 — Guest-artist instructor Sustainable Practices, Interaccess in partnership with Microsoft Toronto  
 2025 — Guest artist-instructor, Creative Europe (VR World Building), Bruxelles - in ResoniteVR  
 2022–2023 — Tutor / Artistic Director, Venice Biennale Cinema College VR Venice, Italy  
 2020 — Invitation to present and participate in New Nature -immersive Media & Climate Science Exchange between Germany, Canada, Mexico&US hosted by the Goethe Institute  
 2019 — ArtSci Salon in partnership with the Mycological Society of Toronto, Fantastic Fungi Futures presentation at the Fields Institute University of Toronto  
 2019 — Mapping w/Slime Mould workshops for the Toronto Biennial, Toronto Canada  
 2018–present — Guest artist-instructor, InterAccess, Toronto  
 2007–2010 — Creative Science artist-instructor in residence, Ontario Science Centre

### Professional Affiliations

-Société des arts technologiques (SAT), Montréal  
 - Canadian Association for Sound Ecology  
 - Director, The Mycelium Network Collective  
 - Founding Member, Sororitas ex Mycelio  
 - Ensemble cast member in Jason Moore's MetaMovie VR  
 - Member of the Genome, Environment and Microbiome Community of Excellence, SUNY Buffalo