

## Tosca Hidalgo y Terán

b. 1966, SF Bay Area, the unceded ancestral land of the Ohlone people.

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

Tosca Terán's practice explores human–forest relationships and more-than-human memory through immersive environments, biomusicology, material research, and speculative storytelling. Working with listening-based, non-extractive methodologies, she treats ecological environments as active participants rather than subjects. Her research situates immersive technology as a space for reflection, care, and imagining interdependent ecological futures.

## 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)

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

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

Turning a {Space 10} Grow Room into 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.

Example: Herbs play the string section, tomatoes + squash = percussion, flowering plants = woodwinds. As the plants thrive and grow (or die off) we hear changes in pattern. A 10/hr Live audio-visual experience performed in collaboration with the mycorrhizal networks streamed on NAISA (New Adventures In Sound Art) North's YouTube channel.

## **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

## Selected Performance & Installation

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 (36 performances)

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

2022 — *Mycelia*, 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 — *Forest UnderSound*, Ars Electronica, Kepler's Garden, Linz

### **Publications & Media (Selected)**

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 is in the #135 Winter issue of *Music Works*. Tosca created an exclusive track for *Music Works* to feature on the magazine's included CD, *The Dye Maker*.

2019–2021 — *Mycelium Martian Dome* cited by NASA Ames Research

### **Residencies, Grants & Research Support (Selected)**

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

2022 — *Canada Council for the Arts, Research & Creation*

2021–2022 — *GEM Coalesce Artist-in-Residence*, University at Buffalo

2021 — *Ars Electronica*, Honourable Mention (*Forest UnderSound*)

2019 — *BigCi Environmental Award*, Australia

### **Teaching & Knowledge Exchange**

2025 — Guest artist-instructor, *Creative Europe (VR World Building)*, Brussels

2022–2023 — Tutor / Artistic Director, *Venice Biennale Cinema College VR*

2018–present — Guest artist-instructor, *InterAccess*, Toronto

2007–2012 — *Creative Science* guest artist, *Ontario Science Centre*

Additional teaching includes university workshops, youth education, and public lectures in bioart, immersive media, and ecological practice.

### **Research Methods & Media**

- Listening-based and relational research
- Speculative fiction and fabulation as method
- Immersive VR environments and spatial narrative
- Sound art and bio-sonification
- Material research (glass, metal, living systems)
- Care-based, non-extractive collaboration

### **Professional Affiliations**

Société des arts technologiques (SAT), Montréal

Canadian Association for Sound Ecology

Founding Board Member, *The Mycelium Network Collective*

Founding Member, *Sororitas ex Mycelio*