

**Tosca Hidalgo y Terán**

**@mothantler**

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**Installation/exhibit (select list):**

- November 2021 Chaos Consortia • Performance for In Space Grey DARC Ottawa & Knot Gallery Space
- October/November 2021 Mycelia performances for Raindance Film Festival Immersive
- September 2021 Ars Electronica invitation to install Forest UnderSound at Kepler's Garden, Linz Austria
- September 2021, Mycelia special event performance for the Venice Film Festival, VR Expanded
- July 29- Sept 20, 2021 The Mycorrhizal Rhythm Machine for NAISA (New Adventures In Sound Art). Biodata of Mycorrhizal symbiosis translated in real-time through synths. Sounds evolve as it grows, dies-off over several months.
- July 21-24, 2021 Mycelia VR premiere, performances for A MAZE. / Berlin VRChat and Youtube
- Jan 23rd-Sept 13 2021 Forest UnderSound installation for The Museum, Kitchener, On
- October 2020 Remote Realities: Symbiosis WIP mixed reality experience conceptual verification with test-subject feedback, TSV/DMG Toronto
- Sept 5-28 TRANSMISSIONS, bio-data sonification of Mycelium in collaboration with Lisa Jackson, Vancouver, BC Canada
- July 13-14 2019 Bio-Sonification: Non Human Collaboration experience for Vector Festival in partnership with MOCA 1st floor installation at the Museum of Contemporary Art Toronto
- June 15 - Sept 15 2019, Mycelium Martian Dome project • 8'x16.5' mycelium built geodesic dome with living mycelium sculptures/bio-sonification. Ontario Science Centre in partnership with MOCA
- April 18-21, 2019: Primordia Rm #206 sound and Mycelium sculpture installation. Myco-Remediation, Bio-sonification. Non-Human collaboration Grow Op at the Gladstone, Toronto
- March 26-May 15, 2019: Fungi battle Installation for FACTT Festival of Art & Science: trans-disciplinary event.
- Jan 17-27th, 2019: La Planete Sauvage: Moving Away from Human-Centred Work Beyond Anthropocene. Installation/exhibit for DesignTO Festival.
- Oct 25-27th, 2018: Náttúrulegt, installation Reykjavik Iceland, Icelandic Arts Association Gallery
- Sept 26-Oct 7, 2018: Chaos Fungorum, installation, and Nuit Blanche performance. Baba Yaga Collective studio/gallery, Queen West, Toronto
- 2016: POP1 & POP2 soundscapes for POP, showcasing virtual reality, via a series of three summer pop-up installations Toronto Bell Lightbox

### **Presentations/artist talks:**

- Fall 2021, invited to host the Goethe Institute's, The Big Ponder podcast, SoundWalk episode. To air Spring 2022.
- August 2021, invited artist speaker for Tree Talk series, EcoArt Space NM US
- Feb 18 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.
- Feb, 2021 Invitation to present and host Democratizing Mushroom Cultivation: Fungal Bio-Materials workshop for the University of Windsor Incubator BioArt Lab.
- November 2020, bio-sonification performance & presentation for Women in Immersive Technology, and The Goethe Institute Montreal in AltSpaceVR
- May 25-Dec 2020 Invitation to present and participate in New Nature- an immersive Media & Climate Science Exchange between Germany, Canada, Mexico, US hosted by the Goethe Institute Montreal
- November 2019, ArtSci Salon in partnership with the Mycological Society of Toronto, Fantastic Fungi Futures presentation at the Fields Institute University of Toronto
- November 2019, Mapping w/Slime Mould for the Toronto Biennial, Toronto Canada
- October 12/13 2019, Sculpting with Mycelium & bio-sonification performance in the Upper Blue Mountains/Wollemi National Park, Bigci Bilpin Australia
- September 16, 2019 Bio-sonification: Non-Human collaboration performance, Studio 6, Auckland, New Zealand
- 2019 2018 2018 Lecture/presentation on fungal bio-materials and bio-sonification University of Toronto for Rendezvous with Science
- 2018 Lecture/presentation on fungal bio-materials and bio-sonification at Myndlistaskólinn í Reykjavík, Iceland
- 2018 2018 Lecture/presentation on fungal bio-materials and bio-sonification University of Toronto for iSkills
- 2018: From Cell to Canvas: Creative explorations of the microscopic, artist presentation/talk at the Fields Institute, University of Toronto

### **Publications/media (select list):**

- 2022 CBC's Undercurrents Podcast, interview w/Jarrett Martineau - Pilot episode
- 2022 Toronto's Westend Phoenix Interview, February
- 2021 Embodied Forest, Ecoart Space publication features Forest UnderSound
- 2021 Forest UnderSound, Glasna Music Magazine feature interview for Fall issue
- 2021 Interview for NAISA's Making Waves program, aired and archived at Wavefarm, NY
- 2021 Song of the Mushrooms, feature in The Mushroom UK, Spring/Summer issue
- 2021 Studio Magazine Focus Feature Spring/Summer issue

- 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 Off-Planet
- 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, Australia - Digital story online recording short link here, <https://ab.co/2kFGZao>
- 2019: Interview for Fall issue of Ground quarterly, Ontario Association of Landscape
- 2019 Slimedia: Physarum as medium and cultural mediator • Slime Mould in Art and Architecture. World Scientific Publishing, A. Adamatzky (Ed.), forthcoming, 2019. By Sarah Choukah, WhiteFeather Hunter, and Tristan Matheson University of Montreal, & Concordia University, Canada

### **Awards/Residencies (select list):**

- 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 award for Forest UnderSound
- 2021 Canada Arts Council Explore & Create program awarded Research and Creation grant for Symbiosis.Dysbiosis
- 2021 Exhibition assistance for Forest UnderSound from Ontario Arts Council, A Space Gallery recommender.
- 2020 Goethe Institute Montreal New Nature R&D Grant for Symbiosis.Dysbiosis
- 2020: Toronto Arts Council Project Grant for Symbiosis.Dysbiosis
- 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. August-October Toronto.
- 2019: Jury's Choice award for Grow Op 2019 at the Gladstone Hotel, the Award is presented for exceptional work that best responds to the conceptual direction behind the show as outlined in the original Call for Submissions. Toronto
- 2019: BigCi Environmental Award recipient for Bilpin International Ground for Creative Initiatives. Unesco heritage site in Wollemi National Park, Greater Blue Mountains, Australia - awarded 2-month residency with stipend, airfare, presentation, workshops.
- 2019: Invited to exhibit and hold bio-sonification workshop at ISEA2019 South Korea
- 2019: 3-month bioartist residency at the Museum of Contemporary Art in partnership with the Ontario Science Centre, Toronto. March 15-June 15 (extended to July 13 2019)
- 2019: Exhibition Assistance grant recipient. Ontario Arts Council, InterAccess recommender
- 2018: Awarded 1-month residency with the Icelandic Arts Association SíM, to further research in Obvara mixtures working with locally harvested yeasts, sugars, grains. Korpúlfsstaðir, Iceland

- 2018: Short-listed for the Mikw Chiyam artist-teacher residency, Quebec Canada
- 2018: Canada Arts Council Arts Abroad grant recipient.
- 2018: Ontario Arts Council project grant recipient

**Education (Condensed select list):**

My education spans apprenticeships to intensive and/or private workshops with experts in their fields. A professional Metalsmith for over thirty years, glass artist for over fifteen years. Both disciplines incorporated my sound work and explorations, interests in microbial, fungal life and physics. Making the micro, macro, the invisible, visible.

- 2017-2018: CRISPR-CAS9 Workshop with Marta De Menezes, HackLab Toronto
- 2017: Video mapping for theatre, Maz Gedari, I/A - ARKit, Wekinator, AR & Machine Learning with Rebecca Fiebrink- Processing workshops with Tess Sutherland, I/A
- 2017: Indigenous Canada program certificate University of Alberta
- 2011: Private Mig/Tig welding intensive course with Carla Grahn, Seattle
- 2010: Awarded Scholarship- Personal Vocabulary- sculpting borosilicate glass, Instructor: Janis Miltenberger, SA: Jennifer Umphress, The Penland School of Crafts, NC
- 2010: Awarded Scholarship- Flameworking The Ultimate Details, Instructor: Loren Stump. Corning Glass, NY
- 2010: Awarded Scholarship- Piece by Piece, Flameworking, Instructor: Kari Russelle-Poole. TA: Eunsuh Choi, Pilchuck Glass School, Washington
- 2009: Colour mixing & the John Burton style of off-hand sculpting borosilicate Instructor: Suellen Fowler, Jesse Kohl – The Studio at the Corning glass, Corning NY
- 2008: Component Casting w/Glass and Metal. Instructor: Anna Boothe-Urban Glass, Brooklyn
- 2004: Beginning Glass Blowing- Instructor: Catherine Vamvakas-Lay, Harbourfront Studios
- 2002-2003: Intro to sensors, PD, Max/MSP & Microcontrollers. Instructor: Various, I/A Toronto
- 1994: Japanese Alloys, die making & forming Instructor: Phil Poirier, Santa Fe Metalsmithing School, Santa Fe, NM
- 1993: Amulets & Talisman Instructor: Harold O'Connor, Taos Art Institute, Taos, NM
- 1992-1994: Apprenticeship with Olin West, & Mona Van Riper for James Reid Ltd., Santa Fe, NM

**Andrei Gravelle**

**@nanotopian**

[www.nanotopia.net](http://www.nanotopia.net)

## **PHOTOGRAPHY**

**May 5-31 1997**, SPIN CYCLE, participant in a group show as a member of gallery 44 for CONTACT, Arts and Events gallery, The exchange Tower, 2 First Canadian Place

**May 1, 1997**, The INDEPENDENTS PROGRAMME 9: ARCHITECTURE, FORMALISM AND FILM, Art Gallery of Ontario, Toronto.

Curated and formatted multimedia slide show on an architectural theme interpolating photographs by Tobi Asmoucha, Steve Payne, Gaye Jackson, Blaine Spiegel and others.

**March 11-25, 1999**, BROKEN HEADS, Gallery 44 member's wall, Toronto. A photographic representation of contemporary memento mori exploring themes of mortality, mutation and alienation.

**March 2003**, GENOME PROJECT, Gallery 44 member's wall, Toronto a photographic exploration of the moral and ethical crisis born of scientific development into the field of genetic manipulation.

## **MUSIC/Installation:**

**1985-1986**, member of THOSE DARN BIPEDS, member musician of London Ontario based experimental music group. 47 performances: inaugural performance included a prelude multimedia piece by Frank Koustrup and Kevin Norcross performing as the Invisible Pain Field Generator and the final performance at Forest City gallery.

**April 2003**, TRANSGENIC MORPHOSIS, Soundscape for a collaborative Installation/performance with Tosca Teran and Steve Storz, Toronto Design Exchange (Digifest-Electronic Cities), Toronto

A speculative installation represented a near future dystopic vision extrapolated and built upon trends in genetic engineering, the transhumanist movement and corporate interests. A truncated version of the soundscape was privately made available on CD as "eCITY 17:22"

**2003, May 3**, TRANSGENIC MORPHOSIS, Live music performance for a remount of installation previously presented at Digifest 2003, WEEWERK, Toronto

**July 2004** Orbis Tertius, Ambient soundscape for an Installation by Tosca Teran, \*NEW\* gallery, Toronto

A mixed media immersive environment inspired by, "Tlön, Uqbar, Orbis Tertius", a short story by the 20th century Argentine writer Jorge Luis Borges. The audio that was created was a looped composition of 22 minutes duration intending to mimic the sounds heard during an imaginary journey to a fictitious place. For the opening, a variation of the soundscape was performed live in a one hour set with the addition of Vince Berani as supporting musician.

<https://itunes.apple.com/us/album/orbis-tertius/id427134820s/id427134820> **2005-**

**Present**, Descent to Perelandra, electronic music composition.

A body of music inspired by the novel by the same name by C.S. Lewis, This is an ongoing collaboration with Tosca Teran with individual music pieces created individually as well as together. Two pieces have been posted online to date.

**2008**: RIFTED, composed electronic music score for a short film by Director Yorgo Karakostas.

**2009 April 17-19**, An Un-Natural History, SOFA, New York, Composed ambient music as an accompaniment to sculptural work by Tosca Teran.

The sculptural work merged Teran's interest in natural history, representation of fictitious places in literature and Cordyceps fungus. Following the exhibit, a self published monograph was made available with accompanying audio CD. The music was also released independently on itunes:

<http://itunes.apple.com/ca/album/an-unnatural-history/id396847896>

**2010, September**, Music for Tiff Bell Lightbox, ambient generative music created for inaugural opening of TIFF Bell Lightbox and designed to play discretely in different audio zones throughout the building. Thematically, the music pieces were sympathetic to the oeuvres of particular directors or film programs: "Cronenberg", "Herzog", "Canadian Collection".

**2011**, Golden Disk, music download: <http://nanotopia.bandcamp.com/track/golden-disk>  
Inspired by the Voyager spacecraft, *Golden Disk is a soundscape which evokes memories of the past looking into the future.*

**2011, December 10-11**, WONDERLANDISH, installation at City of Craft with Tosca Teran. Contributed generative audio piece and sound sculpture.

Wonderlandish was based on the premise that the fundamental act of observing a phenomena changes it and interpreted this as a cautionary message addressing the destruction of unspoiled environmental spaces on the planet through the well intentioned but intrinsically destructive industry of eco tourism. <http://soundcloud.com/nanotopia/wonderlandish>

**2012, October**, BEAST- Collaborative work with Tosca Teran.

"Beast are performative wearable living dioramas using mixed media to anthropomorphize the environmental crisis, and expose parallels to society's treatment of women to inspire dialogue for change."

The culmination of this project was a video: <https://vimeo.com/75820547>

My involvement was Director of Photography/principal camera operator and the creation of a music cycle relating to or inspired by the work:

Fegurð- interpolating spoken word performance by Laura Puska

VALDIS

103001

6500N1800W

Recorded as Nanotopia: <https://soundcloud.com/nanotopia>

**2016**, music towards a future project still to be named inspired by travels in Iceland:

TOMF- interpolating spoken word performance by Kristveig Halldórsdóttir

Journey to Jokusarlon

Recorded as Nanotopia: <https://soundcloud.com/nanotopia>

**July 15-17, 2016**, Soundscape for POP 2: VR+EMPATHY+REAL+WORLD

STORYTELLING, TIFF Bell Lightbox.

The soundscape was a body of 6 generative audio under the collective title of "Social Studies" inspired by the tone of the VR experiences and intended to provide a unifying element to the exhibition space. Programmed artists included: Gabo Arora, Chris Milk, Nicole del Medico, FLOAT.

**2016**, Wonderlandish 2.0 live performance/installation w/Tosca Terán, Nes Skagaströnd, Iceland

**2018**: Science Rendezvous! An immersive installation incorporating mycelium, glass, metal, and Bio-Sonification w/Tosca Terán, University of Toronto

**Sept 26-Oct 7, 2018**: Chaos Fungorum, installation, and Nuit Blanche performance w/ Tosca Terán. Baba Yaga Collective studio/gallery, Queen West, Toronto

**July 21-24, 2021** Mycelia VR premiere, performances for A MAZE. / Berlin VRChat and Youtube w/Tosca Terán

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## **OTHER**

**1997, June 4-September 17**, MAILED ART I UPPSALA, contributor of original postal art to group show , Gamla Gillet, Uppsala, Sweden.

**2001**. EMBRACE, principal actor in a short experimental film by Director Steve Storz, Taos, New Mexico. Public screenings at:  
Taos Talking Pictures Film festival, April 2001 Pure Gallery, Taos, New Mexico, October, 2001

**2022** CBC's Undercurrents Podcast, interview w/Jarrett Martineau - Pilot episode