

MORAKANA

Selected Works

Histolysis

Medium

Custom circuit boards,
3D-printed structures,
carbon fiber rods,
Dyneema cables,
Geared DC motors,
Microphones, LEDs,
Bioplastic,
Custom software and
hardware.

Date

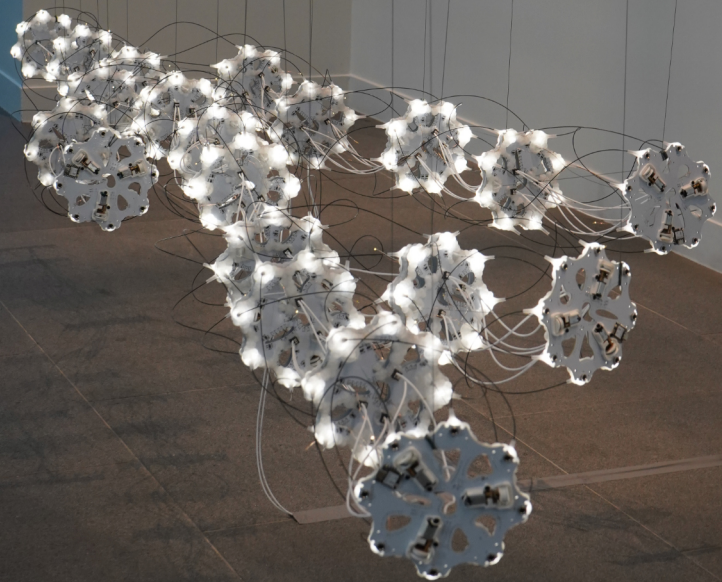
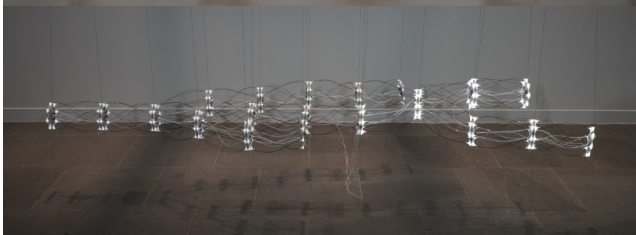
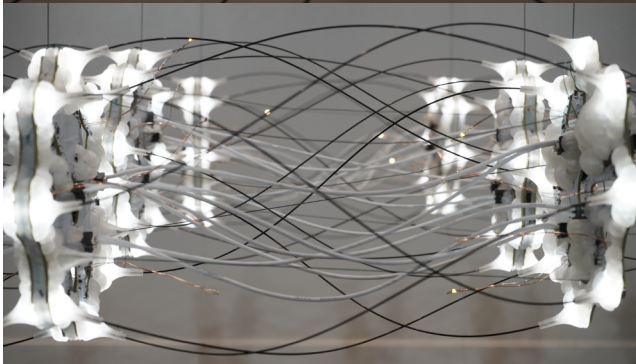
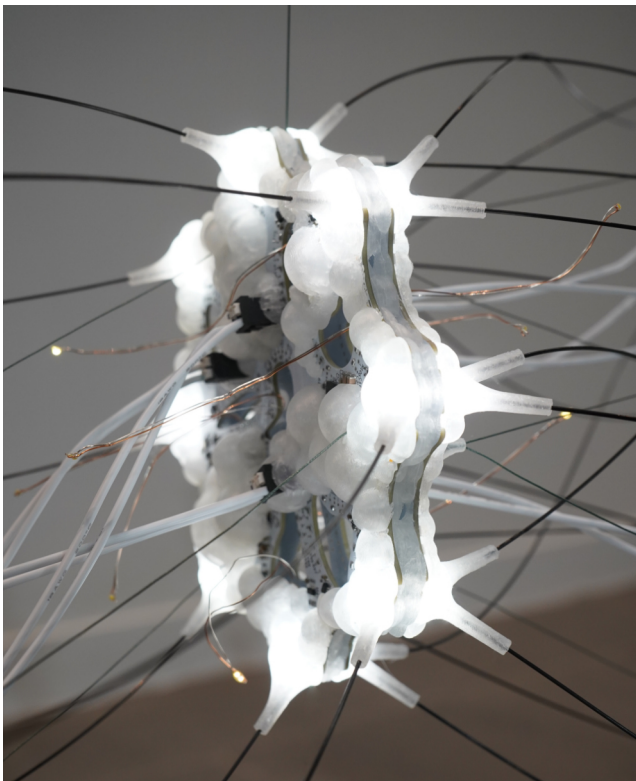
2025

Support

NEW
IN
C
NYLAAT

*Do you remember what it felt like before
turning human?*

Histolysis is a kinetic installation that engages nonhuman systems through attunement rather than control. Suspended just above the floor, its root-like structure pulses with quiet, peristaltic motion. It is slow, subtle, and easily overlooked. Transformation unfolds not as spectacle, but as an infrastructural condition, gradual, distributed, and ongoing. The system resists resolution, remaining in a state of continuous reconfiguration that echoes the unstable, provisional nature of metamorphosis itself.



The sculpture is constant reconfiguration by a custom network of motors and sensors arranged in a flexible design of modular nodes. Informed by soft robotics, its motion is not forceful but tensile and supple. Bending, contracting, and unfurling in quietly regulated rhythms.

Inoculated - *The WiFi Eater*

Medium

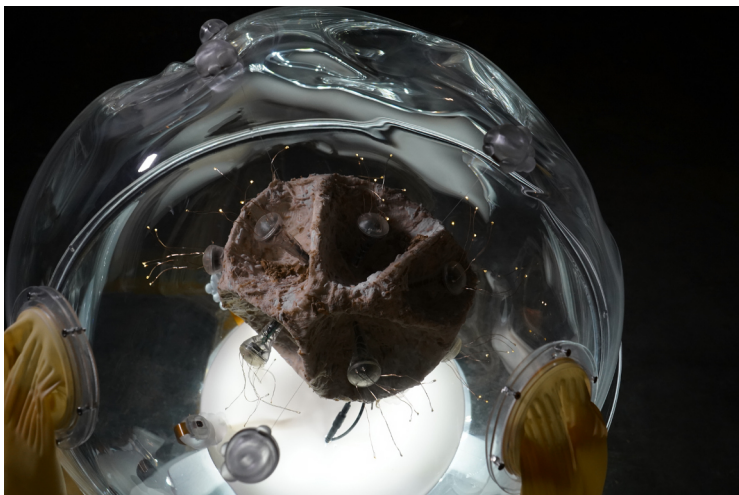
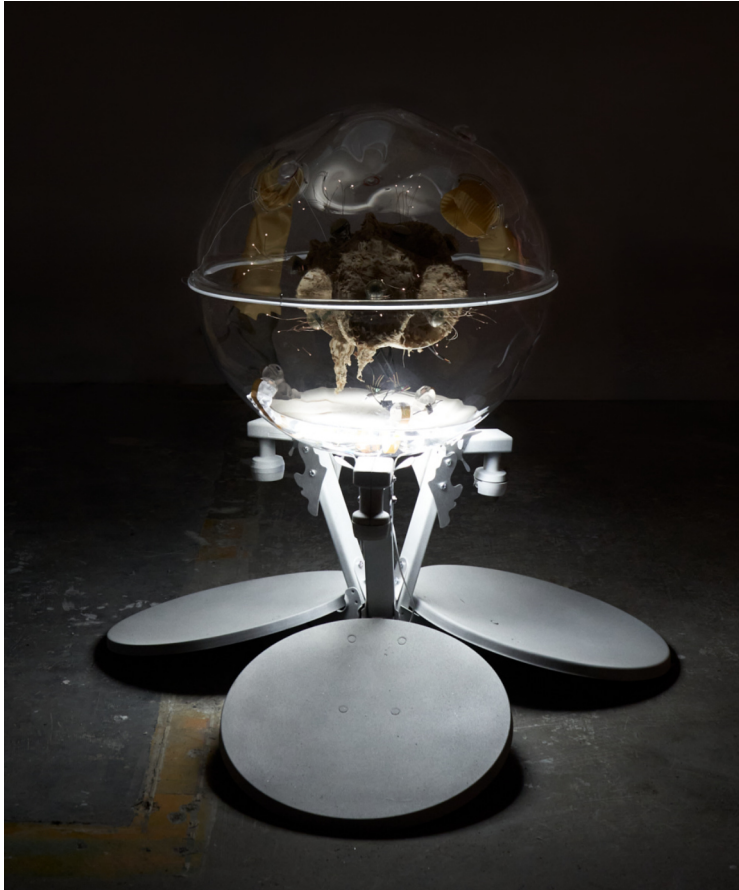
ESP32
Wifi Networks
Mycelium
Custom Antennas
Satellite Dish
LEDs
Camera Array
Custom Microcontrollers

Date

2024

Showcase

NEW INC
Creative Science
DEMO Festival



Internal WiFi antennas within Inoculated detect subtle changes in signal strength and density. These fluctuations are directly translated into vibration and light, relating to the mycelium's sensitivity to both.

Inoculated is born out of the symbiotic relationship between fungi and network devices.

Inoculated imagines what might happen after billion years of symbiosis leading to mutual co-evolution between nature and technology.

Inoculated is rooted in the scientific concepts of endosymbiosis, the evolutionary history of photosynthetic eukaryotes, and the adaptive strategies of composite organisms. It is inspired by real-world symbiotic relationships, such as those seen in lichens or photosynthetic sea slugs.

Can an organism mutate to take advantage of the ubiquity of radio waves in the 2.4GHz spectrum as a source of nutrition or communication?

As humans, we have transformed our environments in both visible and invisible ways, among the dramatic changes we have caused, we have introduced a new source of energy in the form of radio waves.

For us, *WiFi* means connectivity, immediate access to information, knowledge, nowness. For other organisms, it is simply one more factor in their ecosystem to adapt to.

As a living organism, Inoculated is enclosed within a protective shell to prevent contamination from the exhibition space. The structure is supported by repurposed satellite antennas salvaged from Brooklyn rooftops. Inside the shell, small cameras document gradual changes over time, capturing processes too slow for human perception.



Cumulus

Medium

Weather Satellites
ESP32
E-Ink Displays
Solar Cells
Fabrication
Custom PCB
Aluminium Framing
Servers

Date

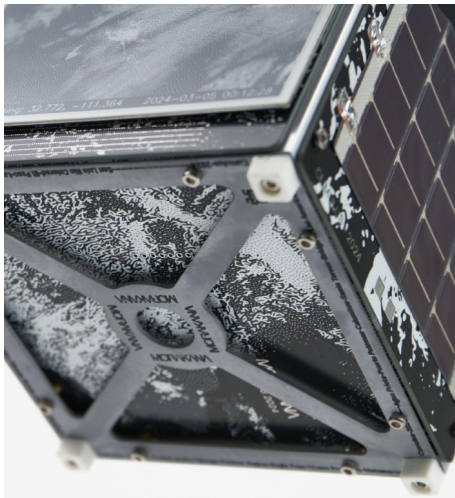
2022- 2025

Support

Creative Capital
NEWINC
Currents New Media
Singapore Art Museum
Lumen Prize Finalist

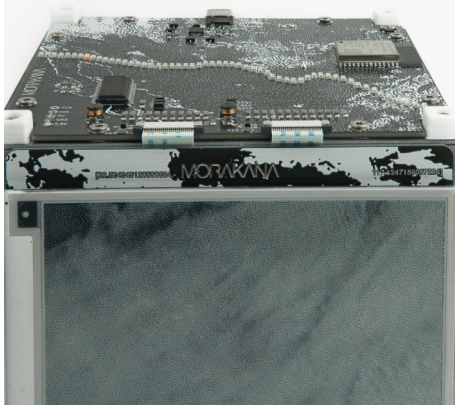
*Cubesat-like networked device
monitoring the Mexican-US border
searching for clouds crossing the
geopolitical division.*

In a time of fear and mass deportations, Cumulus monitors the Mexico-US border, tracking clouds as they cross freely over walls, rivers, deserts, and the oceans. It employs two electronic paper displays to render the ever-changing atmospheric bodies in real time, ever 11 minutes.



At the heart of Cumulus is the embodiment of the *Overview Effect*, a cognitive shift in awareness often reported by astronauts when viewing the Earth from outer space.

Using NOAA satellite images and CubeSat-inspired design, Cumulus contrasts the division imposed by politics and the constant flow of bodies, highlighting how borders are arbitrary, constructed, invisible from a higher perspective, yet have real, profound impact in our lives.



Symbiosis.live

Medium

Single-cell organisms
Internet Bots
Networks
Bioreactor
Microscope
Servers

Date

2018-2022

Support

NEW
IN
C
CULTUREHUB

LIOLS
Urban Art Lab
in Seoul



RADICAL NETWORKS

Mana
Contemporary

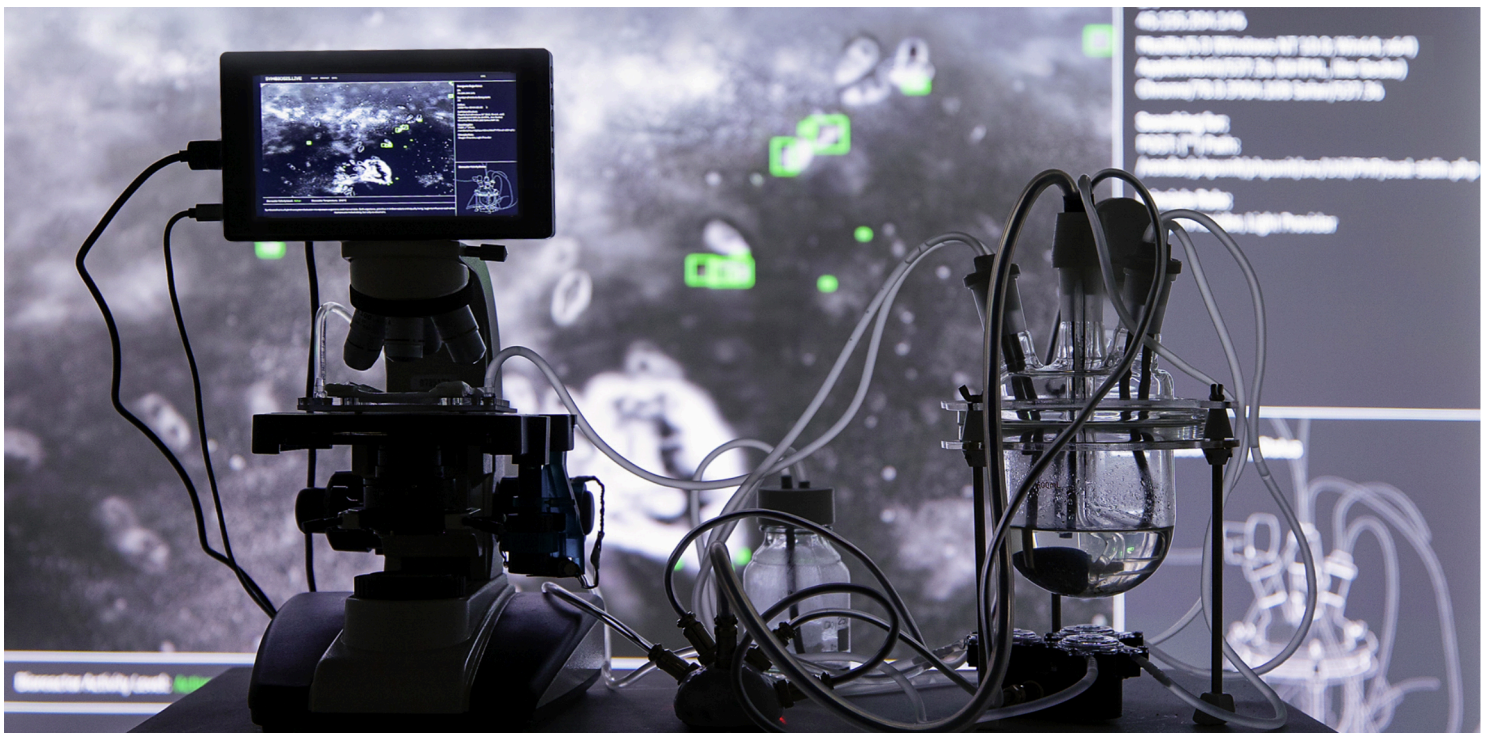


itp

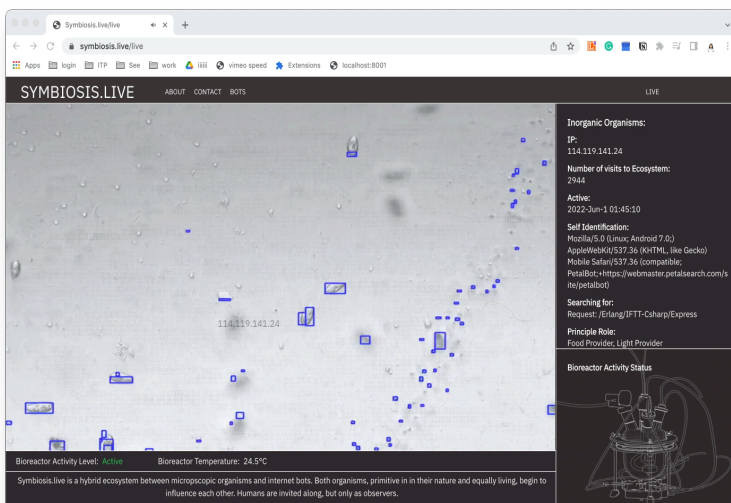
*Part digital, part physical, fully alive.
Symbiosis.live is an estuary website where
microscopic organisms meet their digital
equivalent, internet bots.*

Together, they begin to develop a symbiotic ecosystem, bots travel the world through underwater cables to deliver food, oxygen, and light into the bioreactor. The cells, in turn, modify servers to lure or repel internet bots.

Humans are invited along, but only as observers.



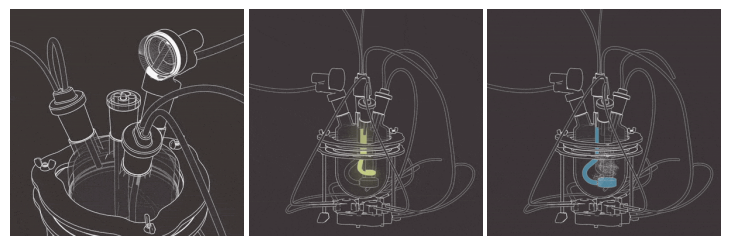
Symbiosis.live shown at Gwangju Art & Media Technology Center Korea



Screen capture of Symbiosis.live, internet bots IP address displayed over live microscope footage.

What does it mean to be alive?

Just like cells, internet bots are primitive, they came to life shortly after their world was created, and have been evolving ever since. Symbiosis.live, is a bridge between these two organisms, giving them a place to mutate together. Creating a possibility for in the future, a new branch of biology to emerge.



Depending on their behavior, bots contributed to the ecosystem by delivering oxygen, food, or light to the bioreactor.

Nopales Lamp

Medium

Custom PCB

LEDs

CR2032

Date

2023-2025

Support



NEW
in
c
NEW
MUSEUM

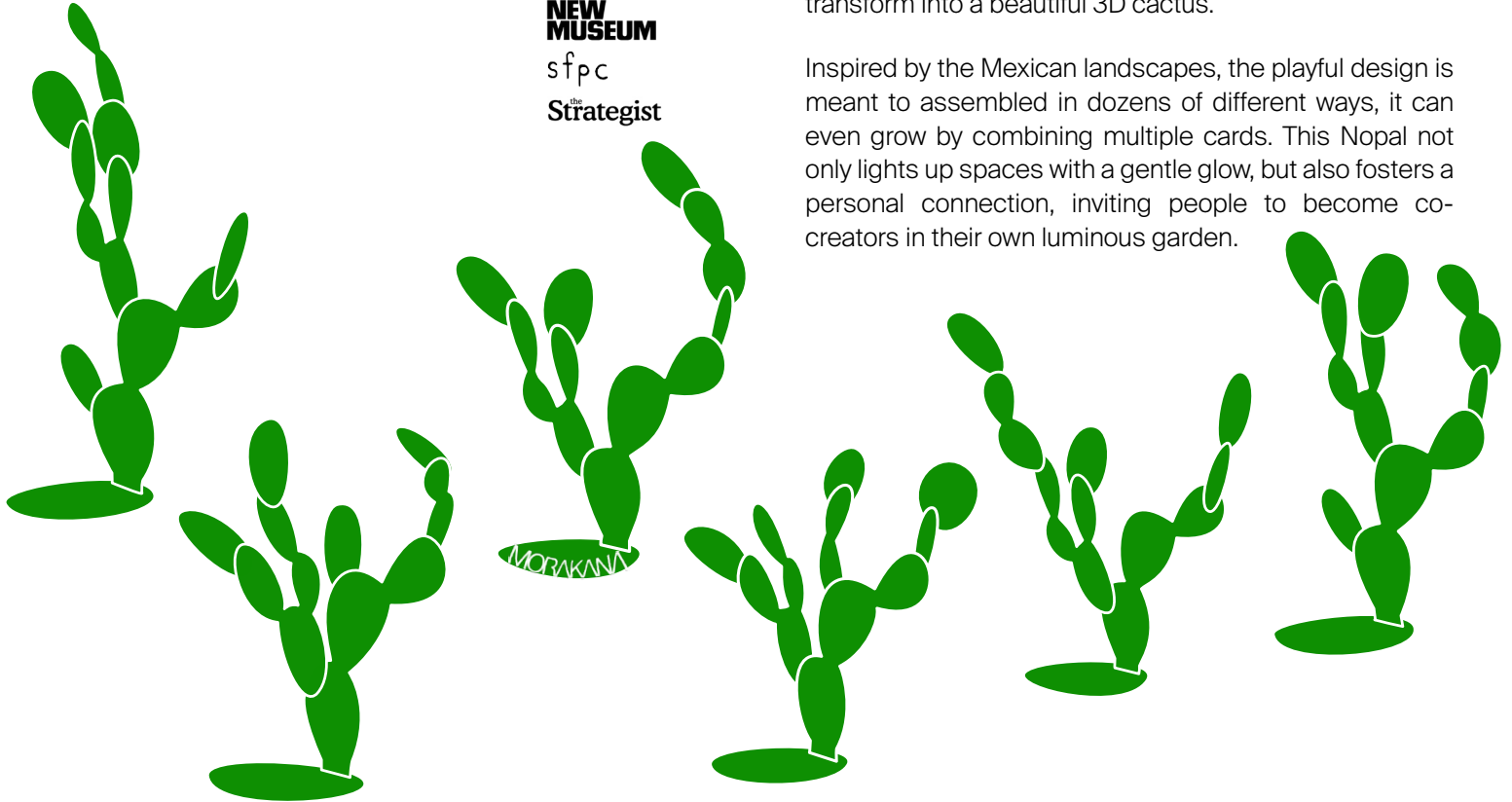
sfpc

the
Strategist

Ground, Water, Thorns, & Electrons

Nopales is a modular lamp that starts as a flat Printed Circuit Board that can easily be hand-broken into pieces by the user. The interlocking pieces then click together to transform into a beautiful 3D cactus.

Inspired by the Mexican landscapes, the playful design is meant to be assembled in dozens of different ways; it can even grow by combining multiple cards. This Nopal not only lights up spaces with a gentle glow, but also fosters a personal connection, inviting people to become co-creators in their own luminous garden.



DeepTalking

Medium

Raspberry Pi
Microphone
Speaker
Custom Screen
Custom Software

Date

2018-2021

Support

UOLS
Urban art lab.
in SEOUL

itp

Mana
Contemporary

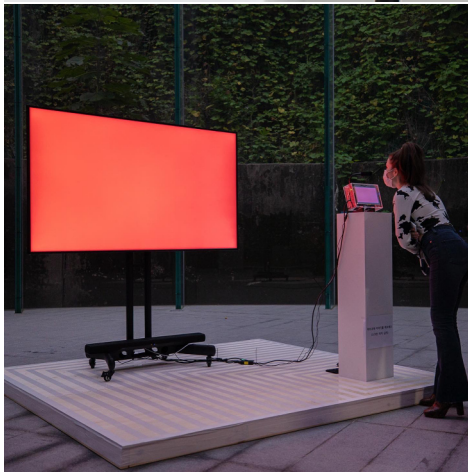
OMAF
Open Media Art Festival

THE IMMIGRANT
ARTIST
BIENNIAL
T / A B

CULTUREHUB

*A never ending poem of mistakes,
imperfection, and continuous attempts
to understand.*

DeepTalking5000 explores the nature of deliberate mistakes in feedback systems to arrive at divergent solutions. A bot constantly listens, eavesdrops, and responds to humans, using imperfect machine learning techniques to reinterpret spoken words. Errors in the model help generate new and unpredictable narratives that loop back into its algorithms.



MORAKANA CV

morakana.com

Brooklyn, NY

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Sebastián Morales Prado | seb@morakana.com

How can nature evolve to reclaim the physical and digital ecosystems we are part of?

MORAKANA is a New York City-based studio founded by Tiri Kananuruk (Thailand) and Sebastián Morales Prado (Mexico). Our work is characterized by scientific and artistic inquiry, development of custom tools, and experimentation. By leveraging scientific principles and challenging the role of technology in our lives, MORAKANA invites us to think critically about plausible means for Nature to reclaim the physical and digital ecosystems we are part of.

We teach at the School for Poetic Computation, New York University and Yale University. Our work has been supported by CultureHub, Autodesk Pier9, Mana Contemporary, Tropical Futures Institute, Genspace, and NEW INC among others.



Selected Artist Engagements & Exhibitions

2025-26, Oct-Jan [Exhibition] Smart Cities, NY Latin American Art Triennial, Bronx, NY

2025, Aug-Sep [Fellowship] Bio Instrumentation Fellowship, Genspace, Brooklyn NY

2025, July [Talk] MORAKANA Bugs in the System, MS CDP Conversations with Practitioners Lecture. Columbia University, NY

2025, June [Exhibition] DEMO Creative Science, NEWINC, NY

2025, June [Residency] Haystack Labs, Haystack School of Craft, Maine

2024, Sep [Workshop][Performance] เครือข่ายเสียงพ้อง-On the networks & Khong Wong sound cultures** EFA, NY

2024, June [Exhibition][Talk] DEMO Creative Science, NEWINC, NY

2024, April [Performance] Medea, CultureHub, NY

2024, March [Talk] Digital Summit, Art Dubai, Dubai UEA

2024, March [Exhibition] Paramecium Diner, HTML Review Brooklyn, NY

2023, Nov [Showcase] Software for Artists Day, SFPC, Pioneer Works, Brooklyn, NY

2023, Oct 17 [Installation] Symbiosis.Live, NEW INC, NEW MUSEUM at Oko Farm, Brooklyn, NY

2023, Sep 11 | [Panel] The Metaverse is a Contested Territory, An evening of virtual talks and performances by Mindy Seu, Todd Anderson and Tiri Kananuruk

2022-2023 | The Kitchen L.A.B. Residency x Simons Foundation x School for Poetic Computation- Advisor for Primary Researchers, New York, NY

2023, April 27-28 | [Performance] Re-Fest: Dyad, Live networked sensor for NUUM Collective performance, CultureHub, NY

2023, Mar 4- Apr 8 | [Exhibition] Head Hi Annual Lamp Show, Brooklyn, NY

2022, March 30 - June 30 | [Exhibition] Symbiosis.Live - Installation, Gwangju Art & Media Technology Center, Gwangju, Korea

2022, March 30 [Performance/lecture] Material Intelligence: DeepTalking - Performance and Lecture, Singapore

2022, Feb 14 | [Performance] In the Mood for Love: Reimagining the Music of Wong Kar Wai - Bomb Magazine - Interactive video performance in collaboration with John Chao and Ray Suen, Ace Hotel Brooklyn, New York

2021, Sep 9-12 [Exhibition] DeepTalking5000 - Open Media Art Festival 2021, The Oil Tank Culture Park, South Korea

2021 July [Performance] LFMW, Solidarity: Digital Strategies for Creative Resilience, CultureHub/ Belgrade, Serbia

2021 April [Exhibition] Live from the MicroWorld - Video Installation at Art Dubai 2021, Dubai

Selected Artist Engagements & Exhibitions [Continued]

2021 January [Exhibition] Live from the MicroWorld, National Gallery Singapore, Singapore
2020 Oct [Exhibition] DeepTalking5000, The Immigrant Artist Biennial - Mother Tongue/Language, New York
2020 Aug [Performance] Live from the MicroWorld, Currents New Media, Santa Fe, New Mexico
2020 July [Performance] You are 99% likely to see this show*, Network Music Festival20, United Kingdom
2020 April [Performance] Live from the MicroWorld, Elektron, Tallinn, Estonia
2020 April [Performance] You are 99% likely to see this show, CultureHub, New York
2020 March - August [Exhibition] Artists' Tools, Special Special, New York
2019 Nov [Talk] Automated Improvisation, Iceland University of the Arts, Reykjavík, Iceland
2019 May [Exhibition][Panel] Mana Contemporary, Jersey City, New Jersey
2019 Mar 27 [Performance] Distributed Web of Care: Taeyoon Choi, Whitney Museum, NY
2019 Feb [Panel] Access, Expression, Exposure: "Privacy in Public" Andrew Heiskell Braille and Talking Book Library
2019 Feb [Panel / Performance] Eyebeam: Refiguring the Future Conference, Knockdown Center, Maspeth, NY
2018 May [Panel] Comparing/Contrasting- Modes of Capturing & Representing Movement Data, Center for Ballet and the Arts, NY
2018 April [Exhibition] Distancias, Mon Oeil, The Centre Pompidou, Paris France

Residencies and Memberships

Genspace: Bio Instrumentation Fellowship - 2025, Brooklyn NY
Haystack Labs: Haystack Mountain School of Crafts - 2025, Deer Isle, ME
NEW INC: Creative Science Track Member - 2023-2025, New York, NY
MAX: Media Art Xploration (NUUM Collective) - 2021, New York, NY
Creative Capital: Taller Profesional Para Artistas - 2019-2020, New York, NY
CultureHub: Artist in Residence - 2019-2020, New York, NY
Interactive Telecommunications Program, NYU: Research Fellow - 2018-2019, New York, NY
Mana Contemporary: New Media Artist in Residence - 2018-2019, Jersey City, NJ
Singulier Contemporary Tattoo: Artist in Residence - 2017 Brussels Belgium
Pier9, Autodesk: Artist in Residence - 2015-2016 San Francisco, CA

Teaching

Graphic Design- Yale School of Art, Yale - Faculty- 2025 - Present, New Haven, CT
Collaborative Arts - Tisch, New York University - Adjunct Faculty Member, 2022 - Present, New York, NY
Interactive Telecommunications Program - Tisch, New York University - Adjunct Faculty Member, 2024- Present, Brooklyn, NY
School for Poetic Computation - Instructor- Organizer - 2018- 2024, New York, NY

Press & Awards

Lumen Prize Finalist- 2025: Cumulus- Lumen Prize Identity & Culture Award Finalists
A'Design Award 2024: Nopales Lamp - Winner in Bronze in Product Engineering and Technical Design Category
Core77 Design Awards Toy & Play, Clixo Mars Rovers - 2024
Kalkine Media, Nopales by Sebastian Morales and Tiri Kananuruk Wins Bronze in A' Engineering and Innovation Awards- Oct 23,
CheezeLooker, NgonngonTiri - From BKK to NYC, Dec 24, 2022
AI times Korea, DeepTalking5000 at OMAF 2021, presents a new sensibility from 'Art made by AI to art using AR and VR technology', by Lee Ha-na and Kim Mi-jeong, Sep 14, 2021
Milk.XYZ Inside Mana Contemporary: Interviews With Four Artists In Residence, July 4, 2019
Billboard Creative TK1971, Interview and Direct by Sam Vladimirsky, 2019
Billboard Creative Bots, Cells, and Humans Watching, Video Interview by Sam Vladimirsky, 2019
Mana Contemporary, Breaking the System: Sound and Technology in the Art of Tiri Kananuruk, by Celine Katzman, May 31, 2019