

**YOUYANG HU**

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Project Assistant Professor | Interdisciplinary Artist

## Biography

*Youyang Hu* (b.1995), Ph.D., is an interdisciplinary artist and Project Assistant Professor at the University of Tokyo. His work spans bioengineering, artificial intelligence, human-computer interaction, and bioart, through which he explores biohybrid experimental creations. By leveraging the calculable and augmented aspects of life as extensions of perception, he redefines the relationship between life and nature. As a member of the Yasuaki Kakehi Laboratory and co-founder of the Synphysica art collective, he continues to push the boundaries of research and creativity, pioneering novel paradigms within the more-than-human framework.

His work has been showcased at internationally renowned venues, including multiple exhibitions at the Ars Electronica Festival, the Asia Culture Center, the ETH AI Center, the National Taiwan Museum of Fine Arts, and the National Taiwan Museum of Natural Science. His academic research has been presented at leading conferences such as CHI, ACM Multimedia, SIGGRAPH, SIGGRAPH Asia, and ISEA.

## Curriculum Vitae

### Education

2022 - 2025

**THE UNIVERSITY OF TOKYO**, Tokyo

Doctor of Philosophy, Interdisciplinary Information Studies

Thesis: "Plants as Environmental Transducers: Engaging with Nature through More-than-Human Perspectives"

Advisor: Yasuaki Kakehi

2018 - 2021

**NATIONAL TAIWAN UNIVERSITY**, Taipei

Master of Science, Graduate Institute of Networking and Multimedia

Thesis: "Abio: Active Bi-olfactory Display Using Subwoofers for Virtual Reality"

Advisor: Yi-Ping Hung

2014 - 2018

**SHIH CHIEN UNIVERSITY**, Taipei

Bachelor of Arts, Department of Communication Design

## Professional Experience

2025 - Present

### Project Assistant Professor

Interdisciplinary Information Studies, The University of Tokyo, Tokyo  
*UTokyo x NTT Sustainable Well-being Social Collaboration Initiative*  
Research Focus: More-than-Human Well-being and Nature Engagement

2021 - 2022

### Creative Programmer

Studio NOWHERE, Shanghai  
Directed interactive installations development for Cartier Boutique Studio Treize

2018 - Present

### Co-founder, SYNPHYSICA

SYNPHYSICA Art Collective, Taipei  
Creative Focus: New Media Art, Bio-hybrid Art, Ecological Art, Environmental Art

## Grants & Fellowship

2025

### Icelandic Visual Arts Fund, Iceland

Grant for environmental art research and exhibition in Iceland.

2024 - 2025

### SPRING GX, Japan

Research funding for Ph.D. research under the WINGS: International Innovative Graduate Program for an Intellectual Society.

2024

### Asian Culture Center: CREATORS Residency Fellowship, Korea

Art residency and creation fellowship in ACC CREATORS 2024 on Art and Technology.

2023

### National Culture and Arts Foundation Grant, Taiwan

Multidisciplinary Art Creation Grant for art performance - The Rat

2021

### Digital Technology and Visual Art Interdisciplinary Creation Grant, Taiwan

National Taiwan Museum of Fine Arts Creation Grant for the project - Movement

2020

### National Culture and Arts Foundation Grant, Taiwan

Exhibition Grant for the solo exhibition - Biosignals 信釋

2019

### National Culture and Arts Foundation Grant, Taiwan

International Cultural Exchange Grant for exhibition at Ars Electronica Festival-Cynbernation

## Awards

2023	BIO ART & DESIGN AWARD (Finalist), Netherlands Finalist proposal in collaboration with scientists from the Institute for Environmental Biology at Utrecht University in the Netherlands.
2023	日本空間デザイン賞 (Longlist), Japan Longlisted for the entertainment space at Cartier Chengdu TKL Boutique Studio Treize, contributing as a creative programmer of studio NOWHERE.
2022	TAISHIN ARTS AWARD (Nominated), Taiwan Nominated at the 21st Taishin Arts Award for the solo exhibition “Lighthesis 和光” in Taiwan.
2021	ACM MULTIMEDIA BEST STUDENT PAPER AWARD, USA Awarded the Best Student Paper Award at the ACM Multimedia Conference for the master’s thesis
2020	TAIPEI ARTS AWARD (Finalist), Taiwan Finalist in the Taipei Arts Award for an exhibition at the Taipei Fine Arts Museum.
2020	TAISHIN ARTS AWARD (Nominated), Taiwan Nominated at the 19th Taishin Arts Award for the solo exhibition “Biosignals 信釋” in Taiwan.
2018	YOUFAB GLOBAL CREATIVE AWARDS (Finalist), Japan Finalist in the 2018 YouFab Global Creative Awards in Japan.
2018	K.T. TECHNOLOGY AND HUMANITIES AWARD, Taiwan Silver Award in the K.T. Technology and Humanities Award for the work “Cybernation” in Taiwan.
2018	MANA LIFE GEEK, China Data Visualization Awards for the work "Syn-thesasia" in Shanghai
2017	K.T. TECHNOLOGY AND HUMANITIES AWARD, Taiwan Silver Award in the K.T. Technology and Humanities Award for the work “Response Traces” in Taiwan.

## Exhibitions

### Solo Exhibitions

2024	<i>Being Transducer</i> , Art Gallery of Pace University, New York City, USA
2022	<i>Lighthesis 和光</i> , Project Fulfill Art Space, Taipei, Taiwan
2021	草木一見, National Museum of Natural Science, Taichung, Taiwan
2020	<i>Biosignals 信釋</i> , Songshan Cultural Park, Taipei, Taiwan
2020	<i>Biosignals 信釋</i> , Project Fulfill Art Space, Taipei, Taiwan

## Group Exhibitions

2025	<i>AI-Creature-Multiverse</i> , ISEA 2025, Seoul Art Center, Seoul, Korea
2025	<i>Sensus Pond</i> , Xlab Showcase 2025, The University of Tokyo, Tokyo, Japan
2024	<i>AI-Creature-Multiverse</i> , ACC CREATORS Residency, Asia Culture Center, Gwangju, Korea
2024	<i>Eye of Flora</i> , AI+X Summit, ETH AI CENTER, Zurich, Switzerland
2024	<i>Immersive Flora</i> , CHI 2024, Hawaii, USA
2024	<i>Eye of Flora</i> , Climate Imaginarium, New York City, USA
2024	<i>Immersive Flora</i> , Xlab Showcase 2024, The University of Tokyo, Tokyo, Japan
2024	<i>Streams in the Veins</i> , Ars Electronica Founding Lab Fall Term Projects, Ars Electronica Center, Linz, Austria
2023	<i>Synplant</i> , Becoming Different, Ars Electronica Garden Tokyo: Yasuaki Kakehi Lab, Ars Electronica Festival, Linz, Austria
2023	<i>The Rat</i> , Project Fulfill Art Space, Taipei, Taiwan
2023	<i>Synplant</i> , Xlab Showcase 2023, The University of Tokyo, Tokyo, Japan
2022	<i>Synplant</i> , ZOU-NO-HANA Futurescape, Yokohama, Japan
2022	<i>LightFall &amp; Pneuma</i> , Artificial, Evolution and Sustainable Future, Art TAIPEI 2022, Taipei, Taiwan
2022	<i>Cradle</i> , Stone Sculpture Museum, Hualien, Taiwan
2021	<i>Pneuma</i> , The World Began without the Human Race and It Will End without It, National Taiwan Museum of Fine Arts, Taichung, Taiwan
2021	<i>Movement</i> , Mist, Museum of Drinking Water, Taipei, Taiwan
2021	<i>Breathing</i> , Ars Electronica Garden Taipei: Entrance Deal, Ars Electronica Festival, Linz, Austria
2020	<i>Syn-thesasia</i> , Life Dimention in Art, Remedium-Poznań Art Week, Poznań, Poland
2020	<i>Cybernation</i> , How Art Museum, Shanghai, China

2019	<i>Cybernation</i> , Human Limitations - Limited Humanity, Ars Electronica Festival, Linz, Austria
2019	<i>Cybernation</i> , YouFab Global Creative Award, Tokyo, Japan
2019	<i>Meditation</i> , Unstable Media Art Festival, Taipei, Taiwan
2018	<i>Syn-thesasia</i> , Trans Robotics, Taipei Digital Arts Festival, Taipei, Taiwan
2018	<i>Syn-thesasia</i> , MANA LIFE GEEK, Shanghai, China
2017	<i>Response Traces</i> , Maker Faire, Taipei, Taiwan

## Academic Publication

2024	SIGGRAPH Asia 2024, Art Papers Youyang Hu*, Cyprien R. Fol*, Chiao-chi Chou, Verena C. Griess, Yasuaki Kakehi. 2024. "Eye of Flora: Encountering Nature through the Mixed Reality Lens of Plant-Environment Interactions." <a href="https://doi.org/10.1145/3680530.3695442">https://doi.org/10.1145/3680530.3695442</a>
2024	CHI 2024, Interactivity Youyang Hu*, Cyprien R. Fol*, Chiao-chi Chou, Verena C. Griess, Yasuaki Kakehi. 2024. Immersive Flora: Re-Engaging with the Forest through the Visualisation of Plant-Environment Interactions in Virtual Reality. <a href="https://doi.org/10.1145/3613905.3648675">https://doi.org/10.1145/3613905.3648675</a>
2023	SIGGRAPH 2023, Art Papers Youyang Hu, Chiao-chi Chou, and Yasuaki Kakehi. 2023. Synplant: Cymatics Visualization of Plant-Environment Interaction Based on Plants Biosignals. <a href="https://doi.org/10.1145/3597622">https://doi.org/10.1145/3597622</a>
2023	ISEA 2023, Short Paper Youyang Hu, Chiao-chi Chou, and Yasuaki Kakehi. 2023. Lucid Dream: Sensing and Artistic Representation of Plant-Nature Interaction Based on Plants Biosignals. <a href="https://doi.org/10.69564/ISEA2023-14-short-Hu-et-al-Lucid-Dream">https://doi.org/10.69564/ISEA2023-14-short-Hu-et-al-Lucid-Dream</a>
2021	ACM Multimedia 2021, Interactive Arts Youyang Hu, Chiao-Chi Chou, and Chia-Wei Li. 2021. Apercevoir: Bio Internet of Things Interactive System. <a href="https://doi.org/10.1145/3474085.3478546">https://doi.org/10.1145/3474085.3478546</a>
2021	ACM Multimedia 2021, Full Paper Youyang Hu, Yao-Fu Jan, Kuan-Wei Tseng, You-Shin Tsai, Hung-Ming Sung, Jin-Yao Lin, and Yi-Ping Hung. 2021. ABio: Active Bi-Olfactory Display Using Subwoofers for Virtual Reality. <a href="https://doi.org/10.1145/3474085.3475678">https://doi.org/10.1145/3474085.3475678</a>
2018	ACM Interactions Volume 25 Issue 2, Exit Gallery Youyang Hu and Chiao-Chi Chou. 2018. Response traces. <a href="https://doi.org/10.1145/3183557">https://doi.org/10.1145/3183557</a>

## Teaching Experience & Public Talks

2025	UTokyo Global Unit Courses - Teaching Assistant Assisted Prof. Yasuaki Kakehi in conducting the More-than-Human Lens workshop, where I also introduced and demonstrated Synplant
2025	UTokyo x NTT Sustainable Well-being Social Collaboration Initiative Kick-Off Symposium - Invited Speaker Presented under the theme "Engaging with More-than-Human."
2024	Pace University, Seidenberg School of Computer Science Workshop - Organizer and Instructor Organized and led the workshop "Engaging with Plant Transducers via Digital Twins."
2022	Solo Exhibition Lighthesis - Artist Talk with Curator Wei-Tzu Chuang
2021	National Taiwan Museum of Fine Arts Workshop - Co-organizer and Instructor Organized and led the workshop "Biosignal Interpretation."
2021	Summer Public Program for Arts and Cultural Practitioners - Co-organizer and Instructor Organized and led the lecture "Introduction to p5.js and IoT."
2020	Solo Exhibition Biosignals - Artist Talk with Scientist Chia-Wei Li
2019	Maker Faire Taipei 2019 Forum - Invited Speaker Presented the talk titled "Liberated Technologies and Bewildermentwork."
2019	YouFab 2019 Kick-Off Special Talk Event - Invited Speaker Presented the work Cybernation at FabCafe Taipei