



## Communication Infrastructure with Society

# 「Neu World」

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### Overview

"Neu World" is a science communication project for the "Internet of Brains (IoB)" Kanai Project, part of Moonshot Goal 1. While IoB advances cutting-edge research in neuroscience and AI to realize new ways of living, a communication gap exists between this research and daily life, which cannot be bridged by research presentations alone. We launched Neu World as a place for anyone who want to join. Employing Sci-Fi Prototyping methods, Neu World was born from the desire to co-create a new world together with creators (such as manga artists and novelists), researchers, and the public. We do this by producing original sci-fi works and enjoying diverse opinions, like "I want this kind of world," or "This future seems a bit off."



## A New World Created Through Sci-Fi



Works Neu World Key Visual © Ququ

Based on the hypothesis of the applicability of Sci-Fi Prototyping to science communication, "Neu World" has established a science communication flow. This flow aims to foster dialogue and co-creation with the public about how to socially implement cybernetic avatar technologies, focusing on BMI, for the future. This is centered around the production and release of original sci-fi works.

**STEP 1: Co-imagination: Creating Sci-Fi Works from Shared Imagination Focused on IoB** research and development, citizens, creators, and researchers gather to communicate about diverse future possibilities. From this, original sci-fi works are produced. Examples: Interactive talk events, small-group workshops, dialogues between researchers and authors, etc.

**STEP 2: Co-munication: Releasing, Disseminating, and Amplifying Sci-Fi Works** The produced sci-fi works are released. Through collaborations with media and others, we aim to reach even those not usually interested in science. We aim to create a communication platform where diverse people can share their anxieties and hopes for the future through reactions to the works on social media and other channels.

**STEP 3: Co-Creation: Promoting Co-Creative Activities Toward the Future** We develop activities to evolve individual values, approaches to societal issues, and ideas through deeper dialogue. We aim to update the future visions sought by the Moonshot program and foster new co-creative activities with diverse stakeholders. Examples: Production and deployment of communication tools for use in schools and museums, analysis of collected opinions, release of results, and holding discussions, etc.

### Future Outlook

What comes to mind when you hear the word "future"? Amidst daily advancing science and technology and an increasingly complex society, imagining the future has become progressively more difficult. The tools that help us imagine such a future without strain were in my favorite manga and novels. "Neu World" embodies the desire to create the next chapter of this world—this ultimate ensemble drama—together, based on the perspectives of researchers, creators, and all of you. Each and every one of you is the main character of this world. Let's advance our respective stories together.

## Release of Sci-Fi Works Themed on Moonshot Goal 1 Research

Neu World produces sci-fi works not as project visions or predictions, but as catalysts for dialogue to build the future together with society. As of September 2025, a total of five works (three manga, two novels) are available for free on the official Neu World website. We plan to release more new works sequentially.



## Toward Transnational Citizen Dialogue

To promote international communication and visualize bottom-up diversity of values, we are conducting a collaborative project with the Institute of Neuroethics (IoNx), a U.S.-based think tank specializing in neuroethics. In this project, we are creating survey tools for dialogue both domestically and internationally, and conducting communication activities abroad. In August 2025, we held a workshop in Osaka and Kobe themed "What if you could 'design' your memories freely?" and a panel discussion at the Osaka-Kansai Expo on the ethical, legal, and social implications (ELSI) of neurotechnology.

## Creation of a Communication Infrastructure with Society

Centered on talk events and workshops, we conduct activities to raise awareness about IoB research and foster dialogue about the future. Each event generates communication from different perspectives due to the diversity of participants. We are developing content with consideration for DEI (Diversity, Equity, and Inclusion), including developing initiatives through collaboration with educational institutions and stakeholders seeking science communication programs, providing Japanese translations and audiobooks of the works, offering sign language support at events, and holding events in regional areas.



### Ryu Miyata

Science Communicator, Araya Inc.

Handles science communication related to IoB and Araya's research in the R&D Department at Araya Inc. Also active as an independent science communicator. Aiming to realize "a society free from stagnation," he engages in science communication activities through events and exhibitions that foster dialogue about the future of science, technology, and society. Member of the Science Fiction and Fantasy Writers of Japan (SFWJ).

### Project Members

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※All members are Science Communicators