

# RYOTA TAKANO

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## EDUCATION

- **Ph.D. Kyoto University, 2019 – 2022**  
Graduate School of Education, Advisor: Prof. Michio Nomura
- **M.A. Kyoto University, 2017 – 2019**  
Graduate School of Education, Advisor: Prof. Michio Nomura
- **B.A. Kyoto University, 2015 – 2017**  
Graduate School of Education, Advisor: Prof. Michio Nomura

## RESEARCH EXPERIENCE

Research Fellow (DC1) of the Japan Society for the Promotion of Science, 2019-2022

Research Fellow (PD) of the Japan Society for the Promotion of Science, 2022-2025

## RESEARCH INTERESTS

I use multiple methodologies that include behavioral experiments, physiological measurement, and neuroimaging (mind, body, and brain) to understand the hierarchical mechanisms underlying how humans perceive themselves, others, groups, and the world.

## KEYWORDS

Emotion, awe, psychology of religion, spirituality, self, empathy, intergroup/interpersonal relations, pro(anti)social behavior, coordination, neuroscience (fMRI, tDCS), psychophysiology (SCR, HRV, pupil diameter, eye-tracking), embodiment

## TECHNIQUES

Python (Psychopy, Neurokit2, Reinforcement learning experiment), Javascript/HTML/CSS (e.g., jsPsych, Qualtrics), R, rstan (Bayesian statistical modeling), Biopac (SCR, HRV), SPM12 (fMRI), CONN (fMRI: functional connectivity)

## JOURNAL PUBLICATIONS

- **Takano, R.** & Nomura, M. (2022). Relationships between right-wing authoritarianism and spirituality in Japan. *Psychology of Religion and Spirituality*, Advance online publication. doi: 10.1037/rel0000462  
 – Post-print: <https://psyarxiv.com/ck75y>  
 – OSF: <https://osf.io/jhgs3/>
- **Takano, R.** & Nomura, M. (2021). Awe liberates the feeling that “my body is mine.” *Cognition and Emotion*, 35(4), 738–744. doi: 10.1080/02699931.2020.1862765  
 – Post-print: <https://osf.io/f6vd3/>  
 – OSF: <https://osf.io/3w2er/>
- **Takano, R.** & Nomura, M. (2021). Development of Japanese versions of the Right-Wing Authoritarianism (RWA) scale. *The Japanese Journal of Psychology*, 91(6), 398–408. (in Japanese with English Abstract). doi: 10.4992/jjpsy.91.19225
- **Takano, R.** & Nomura, M. (2020). Neural representations of awe: Distinguishing the common and distinct neural mechanisms. *Emotion*, Advance online publication. doi: 10.1037/emo0000771  
 – Post-print: <https://psyarxiv.com/qk8dn/>  
 – OSF: <https://osf.io/nxy7a/>
- **Takano, R.** & Nomura, M. (2019). Anodal transcranial Direct Current Stimulation of the Right Temporoparietal Junction Enhances the Self-effacing Bias in Japanese Individuals. *Culture and Brain*, 7(1), 80-91. doi: 10.1007/s40167-018-0064-4

## WORK IN PROGRESS

- **Takano, R.** & Taoka, D. Meaning in life and spirituality. (under review)
- **Takano, R.<sup>a</sup>**, Sawada, K.<sup>a</sup>, & Nomura, M. Awe and social behavior. (in prep) (<sup>a</sup>equal effort)
- **Takano, R.** & Nomura, M. Awe and bodily response. (work in paper)

## FELLOWSHIPS, HONORS & AWARDS

- Graduate Travel Award Society for Personality and Social Psychology (2022)
- Distinguished Student Award (Graduate School of Education, Kyoto University, 2021)
- Excellent Presentation Award (The Japanese Psychological Association, 2019)
- KAKENHI Grant-in-Aid for JSPS Fellows (2019-2022)
- International Travel Grant (Global Education Office, Graduate School of Education, 2018)
- Travel Award (The Japanese Psychological Association, 2017)

## CONFERENCE PRESENTATIONS

- **Takano, R.**, & Imada, H. (2022). Awe, superordinate identity, and intergroup bias. *The 23rd Annual Meeting of Society for Personality and Social Psychology*, San Francisco, California, USA, February 16-19. (Travel Award)

- **Takano, R.** & Nomura, M. (2020). Awe Liberates the Sense of Self: A Small-Self Increases Sensitivity to the Rubber-Hand Illusion. *APS Virtual Poster Showcase*, June-September.
- **Takano, R.** & Nomura, M. (2019). Neural Basis of Aesthetic Emotion: Origin of Prosocial Behavior and Aggression. *6th Congress of Asian College of Neuropsychopharmacology*, Fukuoka, Japan. Oct 10-Oct 12.
- Hiraoka, D., **Takano, R.**, Kihara, M., Hayashi, M., & Nomura, M. (2019). Cognitive load induces maternal approach behaviour to infant vocalisation, *British Psychological Society*, Stoke on Trent, UK, September 4.
- **Takano, R.** & Nomura, M. (2018). Interdependent worldviews evoked by threat-based awe in Japan. *The 24th Congress of the International Association for Cross-Cultural Psychology*, Guelph, Canada. July 1-July 5.
- **Takano, R.** & Nomura, M. (2018). The dark side of awe: From the perspective of intergroup conflict. *The 19th Annual Meeting of Society for Personality and Social Psychology*, Atlanta, Georgia, USA, March 1-3.

## INVITED TALKS

- University of Kent, October 2021
- Osaka University, December 2018