

RYOTA TAKANO

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EDUCATION

- **Ph.D. Kyoto University**, 2019 – 2022 (Anticipated)
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 INTERESTS

I use multiple methodologies that include behavioral experiments, neuroimaging, and psychophysiology (mind, brain, and body) to understand the hierarchical (emotional, cognitive, social) 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. (in press). Relationships between right-wing authoritarianism and spirituality in Japan. *Psychology of Religion and Spirituality*. 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.^a**, Sawada, K.^a, & Nomura, M. Awe and social behavior. (in prep) (^aequal 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