

## Curriculum Vitae

### Shota Uono, Ph. D

Associate Professor

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### Research Interests

My research focuses on the cognitive and neural mechanisms underlying social cognition in both typical and atypical development. Using behavioral experiments, psychophysiological measures, and neuroimaging techniques, I investigate how individuals perceive, interpret, and respond to social information, particularly facial expressions, eye gaze, and communicative signals. A major focus of my work is understanding individual differences associated with neurodevelopmental conditions, including autism spectrum disorder and attention-deficit/hyperactivity disorder. Through this research, I aim to elucidate the biological and cognitive foundations of social functioning and contribute to the development of evidence-based assessment and intervention strategies.

### Degrees

- 2006    B.A.Psychology, Sophia University, Tokyo, Japan (Supervisor: Prof. Chikashi Michimata)
- 2008    M.A. Education, Kyoto University, Kyoto, Japan (Supervisor: Prof. Sakiko Yoshikawa)
- 2011    Ph.D. Education, Kyoto University, Kyoto, Japan (Supervisor: Prof. Sakiko Yoshikawa)

### Academic Appointments

- Apr 2008 – Mar 2011    JSPS Research Fellow (DC1), Graduate School of Education, Kyoto University, Japan
- Apr 2011 – Mar 2014    JSPS Research Fellow (PD), Graduate School of Medicine, Kyoto University, Japan
- Aug 2012 – Oct 2012    Visiting Research Fellow, University of Tampere, Finland
- Oct 2014 – Oct 2017    Program-Specific Assistant Professor, Department of Child and Adolescent Developmental Psychiatry, Graduate School of Medicine, Kyoto University, Japan
- Nov 2017 – Sep 2019    Program-Specific Associate Professor, Department of Child and Adolescent Developmental Psychiatry, Graduate School of Medicine, Kyoto University, Japan
- Oct 2019 – Jun 2020    Senior Researcher, Organization for Promoting Research on Neurodevelopmental Disorders (NPO), Japan

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| Jul 2020 – Mar 2023 | Chief, Intellectual Disability Research Section, Department of Intellectual and Developmental Disabilities, National Institute of Mental Health, National Center of Neurology and Psychiatry (NCNP), Japan |
| Apr 2023 – Present  | Associate Professor, Department of Disability Sciences, Institute of Human Sciences, University of Tsukuba, Japan                                                                                          |

**Research Funding (Selected)**

|                     |                                                                                                                                                                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Apr 2008 – Mar 2011 | Japan Society for the Promotion of Science (JSPS), Grant-in-Aid for JSPS Fellows (DC1; No. 08J07939). Investigating the Relationship Between Social Interaction Deficits and Cortico-Amygdala Functional Connectivity in Autism Spectrum Disorders. Grant amount: JPY 1,500,000. |
| Apr 2011 – Mar 2014 | JSPS, Grant-in-Aid for JSPS Fellows (PD; No. 11J05000). Psychological and Neural Mechanisms of Impaired Automatic Joint Attention in Pervasive Developmental Disorders. Grant amount: JPY 2,500,000.                                                                             |
| Apr 2012 – Dec 2012 | JSPS, Institutional Program for Young Researcher Overseas Visits. Training Program for Basic Researchers Contributing to Clinical Research and Clinicians with Research-Oriented Expertise (Kyoto University Graduate School of Medicine). Grant amount: JPY 750,000.            |
| Apr 2016 – Mar 2020 | JSPS KAKENHI, Grant-in-Aid for Young Scientists (B) (No. 16K17360). The Nature of Social Cognitive Impairments in the Schizophrenia Spectrum. Grant amount: JPY 3,900,000.                                                                                                       |
| Apr 2020 – Mar 2025 | JSPS KAKENHI, Grant-in-Aid for Scientific Research (C) (No. 20K03478). Investigating Fundamental Mental Functions Underlying Individual Differences in Social Cognition. Grant amount: JPY 4,160,000.                                                                            |
| Apr 2025 – Mar 2029 | JSPS KAKENHI, Grant-in-Aid for Scientific Research (C) (No. 25K06890). Self-Referential Processing Deficits and Their Consequences in Autism Spectrum Disorder. Grant amount: JPY 4,550,000.                                                                                     |

**Awards and Honors (Selected)**

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| Mar 2021 | Third International Encouragement Award, Japan Society of Developmental Psychology        |
| May 2025 | 20th International Award for Early Career Researchers, Japanese Psychological Association |

**Peer-reviewed academic publications (Selected)**

1. Uono, S. Egashira, Y., Hayashi, S., Takada, M., Ukezono, M., & Okada, T. (2023). Reduced gaze-cueing effect with neutral and emotional faces in adults with attention deficit/hyperactivity

- disorder. *Journal of Psychiatric Research*, 168, 310-317.
2. Uono, S., Egashira, Y., Hayashi, S., Takada, M., Ukezono, M., & Okada, T. (2022). No influence of emotional faces or autistic traits on gaze-cueing in general population. *Frontiers in Psychology*, 13, 864116.
  3. Uono, S., Sato, W., Kochiyama, T., Yoshimura, S., Sawada, R., Kubota, Y., Sakihama, M., & Toichi, M. (2022). The structural neural correlates of atypical facial expression recognition in autism spectrum disorder. *Brain Imaging and Behavior*, 16, 3, 1428-1440.
  4. Uono, S., Sato, W., Sawada, R., Kawakami, S., Yoshimura, S., & Toichi, M. (2021). Schizotypy is associated with difficulties detecting emotional facial expressions. *Royal Society Open Science*, 8, 11, 211322.
  5. Uono, S., Yoshimura, S., & Toichi, M. (2021). Eye contact perception in high-functioning adults with autism spectrum disorder. *Autism: International Journal of Research and Practice*, 25, 1, 137-147.
  6. \*Sato, W., & \*Uono, S. (2019). The atypical social brain network in autism: Advances in structural and functional MRI studies. *Current Opinion in Neurology*, 32, 4, 617-621. \*Equal contributors
  7. Uono, S., Sato, W., Sawada, R., Kochiyama, T., & Toichi, M. (2018). Spatiotemporal commonalities of fronto-parietal activation in attentional orienting triggered by supraliminal and subliminal gaze cues: An event-related potential study. *Biological Psychology*, 136, 29-38.
  8. Uono, S., Sato, W., Kochiyama, T., Kubota, Y., Sawada, R., Yoshimura, S., & Toichi, M. (2017). Putamen volume is negatively correlated with the ability to recognize fearful facial expressions. *Brain Topography*, 30, 6, 774-784.
  9. Uono, S., Sato, W., Kochiyama, T., Kubota, Y., Sawada, R., Yoshimura, S., & Toichi, M. (2017). Time course of gamma-band oscillation associated with face processing in the inferior occipital gyrus and fusiform gyrus: A combined fMRI and MEG study. *Human Brain Mapping*, 38, 4, 2067-2079.
  10. Uono, S., Sato, W., Kochiyama, T., Kubota, Y., Sawada, R., Yoshimura, S., & Toichi, M. (2017). Neural substrates of the ability to recognize facial expressions: A voxel-based morphometry study. *Social Cognitive and Affective Neuroscience*, 12, 3, 487-495.
  11. Uono, S., Sato, W., & Toichi, M. (2015). Exaggerated perception of facial expressions is increased in individuals with schizotypal traits. *Scientific Reports*, 5, 11795.
  12. Uono, S., & Hietanen, J. K. (2015). Eye contact perception in the West and East: A cross-cultural study. *PLoS ONE*, 10, 2, e0118094.
  13. Uono, S., Sato, W., & Kochiyama, T. (2014). Commonalities and differences in the spatiotemporal neural dynamics associated with automatic attentional shifts induced by gaze and arrows. *Neuroscience Research*, 87, 56-65.
  14. Uono, S., Sato, W., & Toichi, M. (2014). Reduced representational momentum for subtle dynamic facial expressions in individuals with autism spectrum disorders. *Research in Autism Spectrum*

Disorders, 8, 9, 1090-1099.

15. Uono, S., Sato, W. & Toichi, M. (2013). Common and unique impairments in facial-expression recognition in pervasive developmental disorder-not otherwise specified and Asperger's disorder. *Research in Autism Spectrum Disorders*, 7, 2, 361-368.
16. Uono, S., Sato, W., & Toichi, M. (2011). The specific impairment of fearful expression recognition and its atypical development in pervasive developmental disorder. *Social Neuroscience*, 6, 5-6, 452-463.
17. Uono, S., Sato, W., & Toichi, M. (2010). Brief report: Representational momentum for dynamic facial expressions in pervasive developmental disorder. *Journal of Autism and Developmental Disorders*, 40, 3, 371-377.
18. Uono, S., Sato, W., & Toichi, M. (2009). Dynamic fearful gaze does not enhance attention orienting in individuals with Asperger's disorder. *Brain and Cognition*, 71, 3, 229-233.
19. Uono, S., Sato, W., & Toichi, M. (2009). Dynamic fearful expressions enhance gaze-triggered attention orienting in high and low anxiety individuals. *Social Behavior and Personality: An International Journal*, 37, 10, 1313-1326.
20. Uono, S., Sato, W., Michimata, C., Yoshikawa, S., & Toichi, M. (2009). Facilitation of gaze-triggered attention orienting by a fearful expression and its relationship to anxiety. *Psychologia: An International Journal of Psychological Sciences*, 52, 3, 188-197.

### **Professional Service**

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| Feb 2021 – Present  | Councilor, Japanese Psychological Association                               |
| Jun 2021 – Present  | Associate Editor, <i>Frontiers in Psychology</i> (Emotion Science Section)  |
| Jan 2023 – Dec 2024 | Editorial Board Member, <i>Japanese Journal of Developmental Psychology</i> |

### **Professional Memberships**

Japanese Psychological Association (JPA)  
Japan Society of Developmental Psychology  
Japan Society for Child and Adolescent Psychiatry (JSCAP)  
Association of Disability Sciences, Japan (ADSJ)