Stanford



Masataka Wada

Postdoctoral Scholar, Psychiatry

Curriculum Vitae available Online

Bio

BIO

Dr. Masataka (he/him/his) is a postdoctoral scholar in the Department of Psychiatry & Behavioral Sciences at the Stanford University School of Medicine. He is a board-certified psychiatrist and holds a PhD in neuroscience.

His clinical and research interests center on psychiatric disorders in treatment-resistant conditions. To address these challenges, Dr. Masataka is engaged in exploring electrophysiological, neuroimaging, and neuromodulation techniques, including repetitive Transcranial Magnetic Stimulation (rTMS) and Deep Brain Stimulation (DBS). He spearheaded a significant Randomized Controlled Trial (RCT) that involved 180 patients with treatment-resistant depression, aiming to develop an innovative rTMS-based treatment. His efforts have led to him receiving awards at international conferences on three occasions for his significant contributions.

Dr. Masataka's scholarly work includes publications on the electrophysiological characteristics of psychiatric disorders and the effects of neuromodulation on clinical symptoms and neuroimaging features. Additionally, he has been the recipient of two scholarships and three grants, further highlighting his contributions to the field.

HONORS AND AWARDS

- Travel Award, SOBP (Society of Biological Psychiatry) (2019)
- Junior Investigators, Fellowship Award, APA (American Psychiatric Association) (2020)
- Best Poster Award, CINP (International College of Neuropsychopharmacology) (2018)
- Young Investigators Award, JSBP (Japanese Society of Biological Psychiatry) (2023)
- Young Investigators Award, JSBP (Japanese Society of Biological Psychiatry) (2022)
- Excellent Presentation Award, Keio University School of Medicine (2022)
- Encouragement Award, JSMD (Japanese Society of Mood Disorders) (2021)
- Excellent Presentation Award, JSBP (Japanese Society of Biological Psychiatry) (2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Keio University (2023)
- Doctor of Medicine, Keio University (2015)
- Ph.D., Keio University, School of Medicine , Medicine (2023)
- M.D., Keio University, School of Medicine , Medicine (2015)

STANFORD ADVISORS

- Timothy Durazzo, Postdoctoral Faculty Sponsor
- Cammie Rolle, Postdoctoral Research Mentor

LINKS

- Google scholar: https://scholar.google.com/citations?hl=en&user=1OkA9tMAAAAJ

Publications

PUBLICATIONS

- **Decreased long-interval intracortical inhibition in the dorsolateral prefrontal cortex using TMS-EEG in patients with treatment-resistant depression.** *Psychiatry research*
  Takano, M., Wada, M., Nakajima, S., Mimura, Y., Taniguchi, K., Honda, S., Homma, S., Van Weert, E., Sata, S., Kitahata, R., Zomorrodi, R., Blumberger, D. M., Daskalakis, et al
  2025; 353: 116719

- **Neurophysiological Indicators of Bipolar Disorder by Resting-State EEG Microstate Analysis**
  Noda, Y., Taniguchi, K., Kaneko, N., Wada, M., Takano, M., Moriyama, S., Mimura, Y., Uchida, H., Nakajima, S.
  WILEY.2025: S40

- **Long-interval intracortical inhibition in individuals with autism spectrum disorders: A TMS-EEG study with source estimation analyses.** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*
  Mimura, Y., Nakajima, S., Takano, M., Wada, M., Taniguchi, K., Honda, S., Uchida, H., Mimura, M., Noda, Y.
  2025; 178: 2110936

- **Repetitive Transcranial Magnetic Stimulation as Maintenance Treatment of Depression: The MAINT-R Randomized Clinical Trial.** *JAMA network open*
  Noda, Y., Wada, M., Mimura, Y., Taniguchi, K., Tarumi, R., Moriyama, S., Arai, N., Tsugawa, S., Thorpe, K. E., Daskalakis, Z. J., Uchida, H., Mimura, M., Blumberger, et al
  2025; 8 (6): e2515881

- **Phonetic evaluation of the antidepressant effects of transcranial magnetic stimulation treatment: Voice and phenomenon in depression.** *Journal of affective disorders*
  Noda, Y., Wada, M., Nakajima, S.
  2025; 386: 119497

- **Disruptive High-Frequency Stimulation of the Limbic System Reduces Theta Band Activity in Relation to Baseline Connectivity**
  Wada, M., Johnson, N., Buchanan, D., Williams, N., Etkin, A., Bhati, M., Rolle, C.
  ELSEVIER SCIENCE INC.2025

- **Prediction of postoperative delirium by blood metabolome analysis.** *Journal of psychiatric research*
  Arai, N., Sugiura, Y., Nakajima, S., Wada, M., Moriyama, S., Mimura, Y., Niinomi, K., Takayama, K., Maeda, R., Kitada, S., Fagarasan, S., Tajima, M., Boku, et al
  2025; 184: 500-514

- **PREDICTION OF POSTOPERATIVE DELIRIUM BY BLOOD METABOLOME**
  Arai, N., Sugiura, Y., Nakajima, S., Wada, M., Moriyama, S., Mimura, Y., Takayama, K., Niinomi, K., Boku, S., Mimura, M., Takebayashi, M., Uchida, H., Noda, et al
  OXFORD UNIV PRESS.2025: i264

- **NEUROPHYSIOLOGICAL CHARACTERISTICS OF BIPOLAR DISORDER BY RESTING EEG MICROSTATE ANALYSIS**
  Taniguchi, K., Nakajima, S., Moriyama, S., Wada, M., Kaneko, N., Takano, M., Honda, S., Mimura, M., Uchida, H., Noda, Y.
  OXFORD UNIV PRESS.2025: i125

- **DISEASE PROGRESSION MODELING OF BRAIN MACROSTRUCTURE IN TREATMENT-RESISTANT DEPRESSION**
  Takahashi, K., Noda, Y., Sone, D., Honda, S., Wada, M., Hondo, N., Tsugawa, S., Tobari, Y., Shinagawa, S., Koike, S., Matsui, M., Mimura, M., Uchida, et al

OXFORD UNIV PRESS.2025: i63

- **ABNORMAL STRUCTURAL COVARIANCE NETWORK IN TREATMENT- RESISTANT DEPRESSION**
  Tsugawa, S., Noda, Y., Honda, S., Wada, M., Hondo, N., Moriyama, S., Wannan, C., Zalesky, A., Uchida, H., Nakajima, S.
  OXFORD UNIV PRESS.2025: i134-i135

- **NEUROANATOMICAL BIOTYPING BY SEMI-SUPERVISED MACHINE LEARNING FOCUSING ON HETEROGENEITY IN TREATMENT-RESISTANT DEPRESSION**
  Hondo, N., Noda, Y., Wada, M., Honda, S., Tsugawa, S., Takahashi, K., Koike, S., Mimura, M., Uchida, H., Nakajima, S.
  OXFORD UNIV PRESS.2025: i84

- **Abnormal neuritic microstructures in the anterior limb of internal capsules in treatment-resistant depression - A cross-sectional NODDI study.** *Journal of psychiatric research*
  Takahashi, K., Noda, Y., Hondo, N., Shibukawa, S., Kamagata, K., Wada, M., Honda, S., Homma, S., Tsukazaki, A., Tsugawa, S., Tobari, Y., Moriyama, S., Taniguchi, et al
  2025; 183: 93-99

- **Effectiveness of sequential bilateral repetitive transcranial stimulation versus bilateral theta burst stimulation for patients with treatment-resistant depression (BEAT-D): A randomized non-inferiority clinical trial.** *Brain stimulation*
  Wada, M., Nakajima, S., Taniguchi, K., Honda, S., Mimura, Y., Takemura, R., Thorpe, K. E., Tsugawa, S., Tarumi, R., Moriyama, S., Arai, N., Kitahata, R., Uchida, et al
  2024; 18 (1): 25-33

- **Contribution of the Anterior Cingulate Cortex Structure to Treatment Response to rTMS Therapy in Patients With Treatment-Resistant Depression**
  Moriyama, S., Noda, Y., Takahashi, K., Honda, S., Wada, M., Hondo, N., Tsugawa, S., Tobari, Y., Koike, S., Uchida, H., Mimura, M., Nakajima, S.
  SPRINGERNATURE.2024: 110-111

- **Decreased prefrontal glutamatergic function is associated with a reduced astrocyte-related gene expression in treatment-resistant depression.** *Translational psychiatry*
  Wada, M., Nakajima, S., Honda, S., Takano, M., Taniguchi, K., Homma, S., Ueda, R., Tobari, Y., Mimura, Y., Fujii, S., Mimura, M., Noda, Y.
  2024; 14 (1): 478

- **Optimizing the identification of long-interval intracortical inhibition from the dorsolateral prefrontal cortex.** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*
  Takano, M., Wada, M., Nakajima, S., Taniguchi, K., Honda, S., Mimura, Y., Kitahata, R., Zomorrodi, R., Blumberger, D. M., Daskalakis, Z. J., Uchida, H., Mimura, M., Noda, et al
  2024

- **A multisite observational real-world study on the effectiveness of repetitive transcranial magnetic stimulation therapy for patients with treatment-resistant depression in Japan.** *Psychiatry research*
  Matsuda, Y., Kito, S., Hiraki, F., Izuno, T., Yoshida, K., Nakamura, M., Kodaka, F., Yamazaki, R., Taruishi, N., Imazu, S., Kanazawa, T., Mekata, T., Moriyama, et al
  2024; 342: 116263

- **EFFECT OF PRE-PROCESSING FILTERING ON RESTING-STATE EEG MICROSTATE**
  Kaneko, N., Taniguchi, K., Takano, M., Wada, M., Moriyama, S., Yokoyama, H., Nakazawa, K., Nakajima, S., Noda, Y.
  WILEY.2024: S155

- **Development of Transcranial Magnetic Stimulator Coils That Physically Achieve the Deepest Stimulation Based on the Inverse Problem Approach** *IEEE TRANSACTIONS ON MAGNETICS*
  Iino, A., Fushimi, M., Tabata, J., Kikuchi, T., Soejima, Y., Wada, M., Nakajima, S., Noda, Y., Sekino, M.
  2024; 60 (9)

- **Validation of the number of pulses required for TMS-EEG in the prefrontal cortex considering test feasibility.** *Neuroscience*
  Noda, Y., Takano, M., Wada, M., Mimura, Y., Nakajima, S.
  2024

- **Neurophysiological profiles of patients with bipolar disorders as probed with transcranial magnetic stimulation: A systematic review.** *Neuropsychopharmacology reports*
  Taniguchi, K., Kaneko, N., Wada, M., Moriyama, S., Nakajima, S., Mimura, M., Noda, Y.
  2024

- **Prediction of Postoperative Delirium by Blood Metabolome**
  Arai, N., Sugiura, Y., Nakajima, S., Wada, M., Moriyama, S., Mimura, Y., Niinomi, K., Takayama, K., Boku, S., Takebayashi, M., Uchida, H., Mimura, M., Noda, et al
  ELSEVIER SCIENCE INC.2024: S160

- **A comparative study of the dorsolateral prefrontal cortex targeting approaches for transcranial magnetic stimulation treatment: Insights from the healthy control data.** *Brain research*
  Kinjo, M., Honda, S., Wada, M., Nakajima, S., Koike, S., Noda, Y.
  2024: 148989

- **Alterations in subcortical magnetic susceptibility and disease-specific relationship with brain volume in major depressive disorder and schizophrenia.** *Translational psychiatry*
  Shibukawa, S., Kan, H., Honda, S., Wada, M., Tarumi, R., Tsugawa, S., Tobari, Y., Maikusa, N., Mimura, M., Uchida, H., Nakamura, Y., Nakajima, S., Noda, et al
  2024; 14 (1): 164

- **Decreased short-latency afferent inhibition in individuals with mild cognitive impairment: A TMS-EEG study.** *Progress in neuro-psychopharmacology & biological psychiatry*
  Mimura, Y., Tobari, Y., Nakajima, S., Takano, M., Wada, M., Honda, S., Bun, S., Tabuchi, H., Ito, D., Matsui, M., Uchida, H., Mimura, M., Noda, et al
  2024; 132: 110967

- **Neuroplasticity of the left dorsolateral prefrontal cortex in patients with treatment-resistant depression as indexed with paired associative stimulation: a TMS-EEG study.** *Cerebral cortex (New York, N.Y. : 1991)*
  Kaneko, N., Wada, M., Nakajima, S., Takano, M., Taniguchi, K., Honda, S., Mimura, M., Noda, Y.
  2024; 34 (2)

- **Development of Artificial Intelligence for Determining Major Depressive Disorder Based on Resting-State EEG and Single-Pulse Transcranial Magnetic Stimulation-Evoked EEG Indices.** *Journal of personalized medicine*
  Noda, Y., Sakaue, K., Wada, M., Takano, M., Nakajima, S.
  2024; 14 (1)

- **Effectiveness of Conventional Sequential Bilateral Repetitive Transcranial Stimulation Versus Bilateral Theta Burst Stimulation for Patients With Treatment-Resistant Depression: A Randomized Non-Inferiority Clinical Trial**
  Wada, M., Nakajima, S., Taniguchi, k., Honda, S., Mimura, Y., Thorpe, K., Tarumi, R., Moriyama, S., Tsugawa, S., Arai, N., Koike, S., Uchida, H., Daskalakis, et al
  SPRINGERNATURE.2023: 194-195

- **Roles of Glutamate, GABA, Dopamine, and Norepinephrine in Pathological Basis of Treatment-Resistant Depression: A Multimodal MRI Study**
  Honda, S., Noda, Y., Wada, M., Tobari, Y., Mimura, Y., Tsugawa, S., Koike, S., Edden, R., Cassidy, C., Mimura, M., Uchida, H., Nakajima, S.
  SPRINGERNATURE.2023: 289-290

- **Biotyping of Neuroanatomical Signatures by Machine Learning of Brain MRI Data in Treatment-Resistant Depression**
  Hondo, N., Noda, Y., Wada, M., Honda, S., Tsugawa, S., Takahashi, K., Koike, S., Mimura, M., Uchida, H., Nakajima, S.
  SPRINGERNATURE.2023: 214-215

- **Disease Progression Modeling of Cortical Macrostructure in Treatment-Resistant Depression**
  Takahashi, K., Noda, Y., Honda, S., Wada, M., Hondo, N., Sone, D., Tsugawa, S., Tobari, Y., Koike, S., Mimura, M., Uchida, H., Nakajima, S.
  SPRINGERNATURE.2023: 229-230

- **Evaluation of GABA and Glutamate plus Glutamine Levels in the Dorsal Anterior Cingulate Cortex of Patients With Bipolar Disorder: A Cross-Sectional 1H-MRS Study**
  Moriyama, S., Noda, Y., Honda, S., Edden, R., Saito, K., Taniguchi, K., Wada, M., Koike, S., Mimura, M., Uchida, H., Nakajima, S.
  SPRINGERNATURE.2023: 266-267

- **Efficacy and moderators of prevention and treatment of delirium with melatonin receptor agonists: A systematic review and meta-analysis of randomized controlled trials.** *General hospital psychiatry*
  Wada, M., Yasuda, H., Nakajima, S., Etani, T., Miura, A., Asada, S., Yoshida, K., Noda, Y., Takeuchi, H.
  2023; 85: 71-79

- **Decrease in gamma-band auditory steady-state response in patients with treatment-resistant schizophrenia.** *Schizophrenia research*

Ogyu, K., Matsushita, K., Honda, S., Wada, M., Tamura, S., Takenouchi, K., Tobari, Y., Kusudo, K., Kato, H., Koizumi, T., Arai, N., Koreki, A., Matsui, et al

2023; 252: 129-137

- **Reduced Glutamatergic Cortical Facilitation Associated With Glutamate-Related Gene Expression Abnormalities in Treatment-Resistant Depression**

  Wada, M., Nakajima, S., Honda, S., Takano, M., Taniguchi, K., Mimura, Y., Tsugawa, S., Mimura, M., Noda, Y.

  SPRINGERNATURE.2022: 273-274

- **Investigation of Spatiotemporal Profiles of Single-Pulse TMS-Evoked Potentials with Active Stimulation Compared with a Novel Sham Condition.** *Biosensors*

  Takano, M., Wada, M., Zomorrodi, R., Taniguchi, K., Li, X., Honda, S., Tobari, Y., Mimura, Y., Nakajima, S., Kitahata, R., Mimura, M., Daskalakis, Z. J., Blumberger, et al

  2022; 12 (10)

- **Reduced signal propagation elicited by frontal transcranial magnetic stimulation is associated with oligodendrocyte abnormalities in treatment-resistant depression.** *Journal of psychiatry & neuroscience : JPN*

  Wada, M., Nakajima, S., Honda, S., Takano, M., Taniguchi, K., Tsugawa, S., Mimura, Y., Hattori, N., Koike, S., Zomorrodi, R., Blumberger, D. M., Daskalakis, Z. J., Mimura, et al

  2022; 47 (5): E325-E335

- **Impact of Sevoflurane and Thiopental Used Over the Course of Electroconvulsive Therapy: Propensity Score Matching Analysis.** *Frontiers in human neuroscience*

  Yatomi, T., Uchida, T., Takamiya, A., Wada, M., Kudo, S., Nakajima, K., Nishida, H., Yamagata, B., Mimura, M., Hirano, J.

  2022; 16: 933622

- **Dopaminergic dysfunction and excitatory/inhibitory imbalance in treatment-resistant schizophrenia and novel neuromodulatory treatment.** *Molecular psychiatry*

  Wada, M., Noda, Y., Iwata, Y., Tsugawa, S., Yoshida, K., Tani, H., Hirano, Y., Koike, S., Sasabayashi, D., Katayama, H., Plitman, E., Ohi, K., Ueno, et al

  2022; 27 (7): 2950-2967

- **Thalamic and striato-pallidal volumes in schizophrenia patients and individuals at risk for psychosis: A multi-atlas segmentation study.** *Schizophrenia research*

  Takahashi, T., Tsugawa, S., Nakajima, S., Plitman, E., Chakravarty, M. M., Masuda, F., Wada, M., Kurose, S., Ochi, R., Matsushita, K., Sasabayashi, D., Nakamura, M., Nishikawa, et al

  2022; 243: 268-275

- **Glutamatergic and GABAergic metabolite levels in schizophrenia-spectrum disorders: a meta-analysis of 1H-magnetic resonance spectroscopy studies.** *Molecular psychiatry*

  Nakahara, T., Tsugawa, S., Noda, Y., Ueno, F., Honda, S., Kinjo, M., Segawa, H., Hondo, N., Mori, Y., Watanabe, H., Nakahara, K., Yoshida, K., Wada, et al

  2022; 27 (1): 744-757

- **Absence of multiple sleep-onset rapid eye movement periods (SOREMPs) is not a specific feature of patients with pathological sleep prolongation.** *Sleep and biological rhythms*

  Honda, M., Kimura, S., Sasaki, K., Wada, M., Ito, W.

  2022; 20 (1): 107-114

- **Insights of neurophysiology on unconscious state using combined transcranial magnetic stimulation and electroencephalography: A systematic review.** *Neuroscience and biobehavioral reviews*

  Arai, N., Nakanishi, T., Nakajima, S., Li, X., Wada, M., Daskalakis, Z. J., Goodman, M. S., Blumberger, D. M., Mimura, M., Noda, Y.

  2021; 131: 293-312

- **A comparison of cost-effectiveness between offering antidepressant-CBT combinations first or second, for moderate to severe depression in Japan.** *Journal of affective disorders*

  Yamada, Y., Miyahara, R., Wada, M., Ninomiya, A., Kosugi, T., Mimura, M., Sado, M.

  2021; 292: 574-582

- **Photobiological Neuromodulation of Resting-State EEG and Steady-State Visual-Evoked Potentials by 40 Hz Violet Light Optical Stimulation in Healthy Individuals.** *Journal of personalized medicine*

  Noda, Y., Takano, M., Hayano, M., Li, X., Wada, M., Nakajima, S., Mimura, M., Kondo, S., Tsubota, K.

2021; 11 (6)

- **TMS-EEG Research to Elucidate the Pathophysiological Neural Bases in Patients with Schizophrenia: A Systematic Review.** *Journal of personalized medicine*
  Li, X., Honda, S., Nakajima, S., Wada, M., Yoshida, K., Daskalakis, Z. J., Mimura, M., Noda, Y.
  2021; 11 (5)
- **Evaluation of pathological sleepiness by Multiple Sleep Latency Test and 24-hour polysomnography in patients suspected of idiopathic hypersomnia.** *Psychiatry and clinical neurosciences*
  Honda, M., Kimura, S., Sasaki, K., Wada, M., Ito, W.
  2021; 75 (4): 149-151
- **Polygenic risk scores for major psychiatric and neurodevelopmental disorders contribute to sleep disturbance in childhood: Adolescent Brain Cognitive Development (ABCD) Study.** *Translational psychiatry*
  Ohi, K., Ochi, R., Noda, Y., Wada, M., Sugiyama, S., Nishi, A., Shioiri, T., Mimura, M., Nakajima, S.
  2021; 11 (1): 187
- **Neurophysiological biomarkers using transcranial magnetic stimulation in Alzheimer's disease and mild cognitive impairment: A systematic review and meta-analysis.** *Neuroscience and biobehavioral reviews*
  Mimura, Y., Nishida, H., Nakajima, S., Tsugawa, S., Morita, S., Yoshida, K., Tarumi, R., Ogyu, K., Wada, M., Kurose, S., Miyazaki, T., Blumberger, D. M., Daskalakis, et al
  2021; 121: 47-59
- **Transcranial magnetic stimulation neurophysiology of patients with major depressive disorder: a systematic review and meta-analysis.** *Psychological medicine*
  Kinjo, M., Wada, M., Nakajima, S., Tsugawa, S., Nakahara, T., Blumberger, D. M., Mimura, M., Noda, Y.
  2021; 51 (1): 1-10
- **Transcranial Magnetic Stimulation Neurophysiology of Patients With Major Depressive Disorder: A Systematic Review and Meta-Analysis**
  Kinjo, M., Wada, M., Nakajima, S., Tsugawa, S., Nakahara, T., Blumberger, D. M., Mimura, M., Noda, Y.
  SPRINGERNATURE.2020: 116
- **Development and validation of the hypersomnia-specific beliefs scale.** *Sleep medicine*
  Hazumi, M., Ito, W., Okubo, R., Wada, M., Honda, M.
  2020; 75: 256-262
- **Resting-State Isolated Effective Connectivity of the Cingulate Cortex as a Neurophysiological Biomarker in Patients with Severe Treatment-Resistant Schizophrenia.** *Journal of personalized medicine*
  Wada, M., Nakajima, S., Tarumi, R., Masuda, F., Miyazaki, T., Tsugawa, S., Ogyu, K., Honda, S., Matsushita, K., Kikuchi, Y., Fujii, S., Blumberger, D. M., Daskalakis, et al
  2020; 10 (3)
- **White matter microstructural organizations in patients with severe treatment-resistant schizophrenia: A diffusion tensor imaging study.** *Progress in neuro-psychopharmacology & biological psychiatry*
  Ochi, R., Noda, Y., Tsuchimoto, S., Tarumi, R., Honda, S., Matsushita, K., Tsugawa, S., Plitman, E., Masuda, F., Ogyu, K., Wada, M., Miyazaki, T., Fujii, et al
  2020; 100: 109871
- **Early improvements of individual symptoms as a predictor of treatment response to asenapine in patients with schizophrenia.** *Neuropsychopharmacology reports*
  Ogyu, K., Noda, Y., Yoshida, K., Kurose, S., Masuda, F., Mimura, Y., Nishida, H., Plitman, E., Tarumi, R., Tsugawa, S., Wada, M., Miyazaki, T., Uchida, et al
  2020; 40 (2): 138-149
- **Neural correlates of delay discount alterations in addiction and psychiatric disorders: A systematic review of magnetic resonance imaging studies.** *Progress in neuro-psychopharmacology & biological psychiatry*
  Noda, Y., Barr, M. S., ElSalhy, M., Masuda, F., Tarumi, R., Ogyu, K., Wada, M., Tsugawa, S., Miyazaki, T., Nakajima, S., Mimura, M.
  2020; 99: 109822
- **LEVELS OF GLUTAMATERGIC NEUROMETABOLITES IN PATIENTS WITH SEVERE TREATMENT-RESISTANT SCHIZOPHRENIA: A PROTON MAGNETIC RESONANCE SPECTROSCOPY STUDY**

Tarumi, R., Tsugawa, S., Noda, Y., Plitman, E., Honda, S., Matshusita, K., Chavez, S., Sawada, K., Wada, M., Matsui, M., Fujii, S., Miyazaki, T., Chakravarty, et al

OXFORD UNIV PRESS.2020: S313

- **Levels of glutamatergic neurometabolites in patients with severe treatment-resistant schizophrenia: a proton magnetic resonance spectroscopy study.** *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*

  Tarumi, R., Tsugawa, S., Noda, Y., Plitman, E., Honda, S., Matsushita, K., Chavez, S., Sawada, K., Wada, M., Matsui, M., Fujii, S., Miyazaki, T., Chakravarty, et al

  2020; 45 (4): 632-640

- **Glutamatergic Neurometabolite Levels in Patients With Severe Treatment-Resistant Schizophrenia: A Cross-Sectional 3T Proton Magnetic Resonance Spectroscopy Study**

  Nakajima, S., Tsugawa, S., Noda, Y., Plitman, E., Honda, S., Matsushita, K., Chavez, S., Sawada, K., Wada, M., Matsui, M., Fujii, S., Miyazaki, T., Chakravarty, et al

  NATURE PUBLISHING GROUP.2019: 471-472

- **Glutathione levels and activities of glutathione metabolism enzymes in patients with schizophrenia: A systematic review and meta-analysis.** *Journal of psychopharmacology (Oxford, England)*

  Tsugawa, S., Noda, Y., Tarumi, R., Mimura, Y., Yoshida, K., Iwata, Y., Elsalhy, M., Kuromiya, M., Kurose, S., Masuda, F., Morita, S., Ogyu, K., Plitman, et al

  2019; 33 (10): 1199-1214

- **Clinical effectiveness of repetitive transcranial magnetic stimulation treatment in children and adolescents with neurodevelopmental disorders: A systematic review.** *Autism : the international journal of research and practice*

  Masuda, F., Nakajima, S., Miyazaki, T., Tarumi, R., Ogyu, K., Wada, M., Tsugawa, S., Croarkin, P. E., Mimura, M., Noda, Y.

  2019; 23 (7): 1614-1629

- **The P300 event-related potential in bipolar disorder: A systematic review and meta-analysis.** *Journal of affective disorders*

  Wada, M., Kurose, S., Miyazaki, T., Nakajima, S., Masuda, F., Mimura, Y., Nishida, H., Ogyu, K., Tsugawa, S., Mashima, Y., Plitman, E., Chakravarty, M. M., Mimura, et al

  2019; 256: 234-249

- **Does the rapid response of an antidepressant contribute to better cost-effectiveness? Comparison between mirtazapine and SSRIs for first-line treatment of depression in Japan.** *Psychiatry and clinical neurosciences*

  Sado, M., Wada, M., Ninomiya, A., Nohara, H., Kosugi, T., Arai, M., Endo, R., Mimura, M.

  2019; 73 (7): 400-408

- **Glutamatergic neurometabolite levels in major depressive disorder: a systematic review and meta-analysis of proton magnetic resonance spectroscopy studies.** *Molecular psychiatry*

  Moriguchi, S., Takamiya, A., Noda, Y., Horita, N., Wada, M., Tsugawa, S., Plitman, E., Sano, Y., Tarumi, R., ElSalhy, M., Katayama, N., Ogyu, K., Miyazaki, et al

  2019; 24 (7): 952-964

- **Actigraphy for evaluation of mood disorders: A systematic review and meta-analysis.** *Journal of affective disorders*

  Tazawa, Y., Wada, M., Mitsukura, Y., Takamiya, A., Kitazawa, M., Yoshimura, M., Mimura, M., Kishimoto, T.

  2019; 253: 257-269

- **Neurobiological mechanisms of time discount disability in psychiatric disorders: a systematic review of magnetic resonance imaging studies**

  Noda, Y., ElSalhy, M., Miyazaki, T., Nakajima, S., Masuda, F., Ogyu, K., Wada, M., Mimura, M.

  AKADEMIAI KIADO ZRT.2019: 195

- **The P300 Event-Related Potential in Bipolar Disorder Compared to Healthy Control: A Systematic Review and Meta-Analysis**

  Wada, M., Kurose, S., Miyazaki, T., Nakajima, S., Masuda, F., Mimura, Y., Nishida, H., Ogyu, K., Tsugawa, S., Mashima, Y., Plitman, E., Chakravarty, M., Mimura, et al

  ELSEVIER SCIENCE INC.2019: S351-S352

- **Neuroimaging correlates of narcolepsy with cataplexy: A systematic review.** *Neuroscience research*

  Wada, M., Mimura, M., Noda, Y., Takasu, S., Plitman, E., Honda, M., Natsubori, A., Ogyu, K., Tarumi, R., Graff-Guerrero, A., Nakajima, S.

  2019; 142: 16-29

- **Motor cortex excitability and inhibitory imbalance in autism spectrum disorder assessed with transcranial magnetic stimulation: a systematic review.** *Translational psychiatry*

  Masuda, F., Nakajima, S., Miyazaki, T., Yoshida, K., Tsugawa, S., Wada, M., Ogyu, K., Croarkin, P. E., Blumberger, D. M., Daskalakis, Z. J., Mimura, M., Noda, Y.

  2019; 9 (1): 110

- **Effectiveness of the prefrontal repetitive transcranial magnetic stimulation on cognitive profiles in depression, schizophrenia, and Alzheimer's disease: A systematic review.** *Progress in neuro-psychopharmacology & biological psychiatry*

  Iimori, T., Nakajima, S., Miyazaki, T., Tarumi, R., Ogyu, K., Wada, M., Tsugawa, S., Masuda, F., Daskalakis, Z. J., Blumberger, D. M., Mimura, M., Noda, Y.

  2019; 88: 31-40

- **Glutathione Levels and Activities of Glutathione Metabolism Enzymes in Patients With Schizophrenia: A Systematic Review and Meta-Analysis**

  Ogyu, K., Tsugawa, S., Noda, Y., Tarumi, R., Mimura, Y., Yoshida, K., Iwata, Y., Elsalhy, M., Kuromiya, M., Kurose, S., Masuda, F., Plitman, E., Wada, et al

  NATURE PUBLISHING GROUP.2018: S484

- **Kynurenine pathway in depression: A systematic review and meta-analysis.** *Neuroscience and biobehavioral reviews*

  Ogyu, K., Kubo, K., Noda, Y., Iwata, Y., Tsugawa, S., Omura, Y., Wada, M., Tarumi, R., Plitman, E., Moriguchi, S., Miyazaki, T., Uchida, H., Graff-Guerrero, et al

  2018; 90: 16-25

- **Effect of Education on Alzheimer's Disease-Related Neuroimaging Biomarkers in Healthy Controls, and Participants with Mild Cognitive Impairment and Alzheimer's Disease: A Cross-Sectional Study.** *Journal of Alzheimer's disease : JAD*

  Wada, M., Noda, Y., Shinagawa, S., Chung, J. K., Sawada, K., Ogyu, K., Tarumi, R., Tsugawa, S., Miyazaki, T., Yamagata, B., Graff-Guerrero, A., Mimura, M., Nakajima, et al

  2018; 63 (2): 861-869