MDD addiction Immunology indoleamine brain research protein research schizophrenia chronic iaa essential stress acute dendritic metabolites toxicity immune chronic ISTRY could depression could biomarker ISTRY covid depression suppression medicine TD monocytes disease glutamate m metabolism KMO LCMS adenine system health kp kyn biology bioactive Drecursor oxidative liver immune main athway gut serotonin T cell microbiome CSF IL-6 kat ΝΔΓ host amino humans plasma mental transplant ren ne food autism cytokines trp molecules quinolinic dioxygenase degradation behavioral metabolomics vitamin molecular pharmacology NMDA disorders neuron obesity neop inflammation diseases kynurenic psychiatr neopterin excitotoxicity neurotoxicity psychiatry

suicide

nicotinamide

SPEAKERS

Associate Profressor Hidetsugu Fugigaki



Dysregulation of serum tryptophan metabolism in patient with COVID-19.

Associate Professor Hidetsugu Fujigaki from Fujita Health University will discuss the role of tryptophan metabolism in patient with COVID-19

Despair, Depression, and **Dysregulated Dissonance: Decoding Tryptophan** Trajectories in kat2 --- Mice

Dr. Masaru Tanaka from University of Szeged will talk about the use of KAT2 knockout model in studying neuropsychiatric conditions

Assistant Professor Keisuke Yaku

Title: To be advised

Assistant Professor Keisuke Yaku from University of Toyama will present his work about niacin metabolism and aging.

Ms. Mika Kittaka

Changes in pancreatic tryptophan and NAD metabolism-related gene expression in non-alcoholic fatty pancreatic disease (NAFPD)

Ms. Mika Kittaka, a PhD student in Notre Dame Seishin University will be presenting her work about tryptophan and NAD metabolism in NAFPD.

Dr. Masaru Tanaka



ISTRY 2025 Online Webinar

> 14TH MAY 2025 16:00 - 17:45 (JST) 9:00 - 10:45 (CEST)

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