



| Session       | Program # | Presentation Title  | Presenter             |
|---------------|-----------|---|-----------------------|
| Featured Oral | FOA01.02  | Antidepressant and Anti-anxiomatic Effect of Prolonged Intermittent Theta-Burst Stimulation Monotherapy for Medication and Conventional TMS-Resistant Major Depression: A Three-Arm, Randomized, Double-Blind, Sham-controlled Study      | Chih-Ming Cheng       |
| Featured Oral | FOA01.03  | Increased Neuroaxonal Injury in Ketamine-dependent Patients Comorbid with Major Depressive Disorder (MDD) Relative to Drug-naïve Patients with MDD  | Ming-Chyi Huang       |
| Featured Oral | FOA01.04  | Inflammation in children with ADHD: from HPA axis, Inflammatory biomarkers to neurotrophins   | Jane Pei-Chen Chang   |
| Featured Oral | FOA01.05  | Prospective risk and protective factors associated with progression from major depression to bipolar disorder, a 11-year national longitudinal study in Taiwan  | Fan-Hsuan Kung        |
| Featured Oral | FOA02.02  | Sex-specific effect of perinatal mirtazapine administration and pregestational stress on the excitability of serotonergic neurons in rats   | Eliyahu Dremencov     |
| Featured Oral | FOA02.03  | Investigation of the effect of paroxetine discontinuation on mouse hippocampal extracellular 5-HT   | Helen Collins         |
| Featured Oral | FOA02.04  | Socio-demographic and Clinical Correlates of Late-onset Depression - Results from the European Group for the Study of Resistant Depression  | Lucie Bartova         |
| Featured Oral | FOA02.05  | Neuroinflammation in major depression: a meta-analysis of molecular imaging studies of translocator protein   | Benjamin Eggerstorfer |
| Featured Oral | FOA03.02  | Alcohol use and risk of Parkinson disease using multi-state process analyses: a community-based population study  | Chau-Shoun Lee        |
| Featured Oral | FOA03.03  | Real-world effectiveness of antipsychotic patches on delirium prevention in 103 patients with delirium on the night before a consultation and with refusal to oral medications  | Kotaro Hatta          |
| Featured Oral | FOA03.04  | Effects of left DLPFC rTMS across neuropsychiatric disorders: a systematic review and meta-analysis of randomized controlled trials   | Laidi Kan             |
| Featured Oral | FOA03.05  | Target Antidepressant Initiation choice to unlock better patient Outcomes and Response (TAILOR): Patterns of Shared Decision Making among a cohort of 11,181 Australian patients with Major Depressive Disorder                           | Malcolm Hopwood       |
| Featured Oral | FOA04.02  | Bilateral theta-burst stimulation affects 5-HT <sub>1A</sub> receptor binding in the dorsolateral prefrontal cortex in treatment resistant depression   | Matej Murgaš          |
| Featured Oral | FOA04.03  | Seasonal patterns of dopamine receptors: A [11C]-(+)-PHNO PET study   | Ana Weidenauer        |
| Featured Oral | FOA04.04  | Long Term Outcomes of Pediatric Bipolar-I Disorder: A Prospective Follow-Up Analysis Attending to Full Syndromatic, Subsyndromal and Functional Types of Remission  | Janet Wozniak         |
| Featured Oral | FOA04.05  | Clinical Evidence for the Use of Methyline in the Treatment of PTSD: A Case Series with Long-Term Follow-up   | Lynnette Averill      |
| Oral          | OA001     | Role of 5-HT <sub>4</sub> , 5-HT <sub>5</sub> and 5-HT <sub>6</sub> receptors in acute pruriceptive processing in mice  | Yu Miyahara           |
| Oral          | OA002     | Disentangling the Heterogeneity of Emotional Dysregulation in Referred Youth Using the Child Behavior Checklist   | Joseph Biederman      |
| Oral          | OA003     | Growth Trajectories in Stimulant Treated Children: A Controlled Naturalistic Electronic Medical Record Assessment of a Large Health Care Organization Addressing the Moderating Effects of Magnitude of Stimulant Exposure, Sex, and Race | Joseph Biederman      |
| Oral          | OA004     | Can Polygenic Risk Scores Predict the Development of Mood Disorders in Youth?   | Joseph Biederman      |
| Oral          | OA005     | Genome-wide association study for circulating FGF21 in patients with alcohol use disorder: molecular links between the SNHG16 locus and catecholamine metabolism  | Ming-Fen Ho           |
| Oral          | OA006     | Tumor Necrosis Factor alpha and its association with bipolar disorder: a systematic review and meta-analysis  | Daria Mozafar         |
| Oral          | OA008     | Association between frontal cortico-limbic white-matter microstructure and risk for pediatric depression  | Mai Uchida            |
| Oral          | OA009     | Exposure-response modelling of aripiprazole and brexpiprazole in adults and adolescents with schizophrenia to support extrapolation of efficacy in adolescents  | Xiaofeng Wang         |
| Oral          | OA010     | Functional dysconnectivity of frontal cortex to striatum predicts ketamine infusion response in treatment-resistant depression  | Mu-Hong Chen          |
| Oral          | OA011     | The effect of vitamin D supplement on cognitive outcomes: a systematic review and meta-analysis   | Wen Yin Chen          |
| Oral          | OA012     | Clozapine treatment is associated with higher prescription rate of antipsychotic monotherapy and lower prescription rate of other concomitant psychotropics: A real-world nationwide study.   | Shinichiro Ochi       |



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| Oral    | OA013     | Addiction-like behavior of morphine via the opioid-like receptor NPR-17 in <i>Caenorhabditis elegans</i>   | Soichiro Ide            |
| Oral    | OA014     | Review of the TAAR1 Agonist Ulotaront: Part I - From Discovery to Clinic   | Courtney Zeni           |
| Oral    | OA015     | The cognitive impairment and the activation of hippocampal microglia induced by the methamphetamine-mediated excessive dopamine in the nucleus accumbens of mice                 | Yuka Kusui              |
| Oral    | OA016     | Dysfunction of visual and default mode networks characterize generalized anxiety disorder  | Minlan Yuan             |
| Oral    | OA017     | Can Machine Learning Identify Childhood Characteristics That Predict Future Development of Bipolar Disorder a Decade Later?  | Mai Uchida              |
| Oral    | OA018     | Amelioration of obesity-induced cognitive dysfunction via a lorcaserin-betahistine combination treatment   | Ike De La Pena          |
| Oral    | OA019     | Review of the TAAR1 Agonist Ulotaront: Part II - Summary of Initial Clinical Efficacy/Safety Results   | Courtney Zeni           |
| Oral    | OA020     | ADHD Diagnosis and Related Impairments Observed in Children with Parental ADHD   | Mai Uchida              |
| Oral    | OA021     | The ameliorating effect of memantine on the impairment of social behaviors induced by single social defeat stress as juveniles via regulating the GluN2-ERK1/2 signaling pathway | Mikio Yoshida           |
| Oral    | OA022     | Comparison of COVID-19 Delirium and Non-COVID-19 Delirium  | Kyohei Otani            |
| Oral    | OA023     | Working memory may play a mediator between executive function and ability emotional intelligence in bipolar spectrum disorders   | Yun-Hsuan Chang         |
| Oral    | OA024     | Therapeutic-like activity of cannabidiolic methyl ester in the MK-801 preclinical model of schizophrenia   | Brandon Richardson      |
| Oral    | OA025     | Weight and bipolar disorder. A molecular pathway analysis  | Marco Calabrò           |
| Oral    | OA026     | The effects of iTBS on prefrontal hemodynamic response and executive function are not linear to the stimulation intensity: A TMS-fNIRS experiment                                | Bella Zhang             |
| Oral    | OA027     | In Vitro and In Vivo Neurotoxicity Induced by Nano-plastics  | Na-Hyun Kim             |
| Oral    | OA028     | Altered Environmental Cue Processing Associated with Problematic Behaviors in Behavioral Addiction   | Yui Asaoka              |
| Oral    | OA029     | Prescribing trends for patients with schizophrenia over 20 years: a retrospective panel study  | Norio Yasui-Furukori    |
| Oral    | OA030     | Cognitive and Affective Associations with Eating Behavior in Young Adults  | Jae-Won Jung            |
| Oral    | OA031     | Mice with a genetic loss of the vesicular glutamate transporter vGLUT3 targeted to 5-HT neurons show putative anhedonia and reduced reward sensitivity                           | L. Sophie Gullino       |
| Oral    | OA032     | The therapeutic effects of 5-HT <sub>1A</sub> receptor agonist on the psychomotor hyperactivity in dopamine-deficient mice.  | Yukiko Ochiai           |
| Oral    | OA033     | Effect of MAOA exon 1 methylation on cerebral MAO-A in seasonal depression and health  | Patricia Anna Handschuh |
| Oral    | OA034     | Small peptide-like TrkB ligand produces antidepressant effects inducing BDNF-TrkB signaling in Unpredictable Chronic Mild Stress-treated mice                                    | Liana Zainullina        |
| Oral    | OA035     | The effect of ABCB1 variants and sex on serotonin transporter occupancy in the brain   | Leo Robert Silberbauer  |
| Oral    | OA036     | Efficacy of tPBM on ADHD Symptoms and Executive Function Deficits in Adults with High-Functioning Autism Spectrum Disorder   | Chloe Hutt Vater        |
| Oral    | OA037     | Effect of heparan sulfate glucosamine 3-O-sulfotransferase 4 on SARS-CoV-2 infection.  | Seii Ohka               |
| Oral    | OA038     | Efficacy of prefrontal rTMS on the refractory depressed patients: a real-world experience  | Tung-Ping Su            |
| Oral    | OA039     | Combined venlafaxine and brexpiprazole administration in rats rapidly increases dopamine neurons activity  | Stephen Daniels         |



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| Oral    | OA040     | New horizons for patients with Schizophrenia? A scoping review of the efficacy of the emerging drugs in negative and cognitive symptoms   | Odete Nombora              |
| Oral    | OA041     | Intravenous arketamine as an adjunctive therapy for treatment-resistant depression: a randomized, double-blind, crossover trial   | Gustavo C Leal             |
| Oral    | OA042     | Influence of gender-affirming hormone treatment on hypothalamic and subunit volumes in gender dysphoria   | Melisande Elisabeth Konadu |
| Oral    | OA043     | Exploring the association between brain-derived neurotrophic factor (BDNF) levels and longitudinal psychopathological and cognitive changes in Sardinian psychotic patients                                       | Ulker Isayeva              |
| Oral    | OA044     | Seasonal affective disorder: Can lifestyle make a change?   | Max Rothenberg             |
| Oral    | OA045     | Pharmacogenetics of CYP2C19 in response and side effects to MDD treatment: a machine learning approach  | Marco Calabrò              |
| Oral    | OA046     | Modulation of DNA methylation and protein expression in the prefrontal cortex by repeated administration of D-Lysergic acid diethylamide (LSD): impact on neurotropic, neurotrophic and neuroplasticity signaling | Antonio Inserra            |
| Oral    | OA047     | Removal of cervical lymph nodes suppresses motor dysfunction in mice with cerebral ischemic stroke  | Naotaka Izuo               |
| Oral    | OA048     | The vHipp-mPFC pathway involvement in the modulation of antidepressant response   | Douglas Formolo            |
| Oral    | OA049     | Adiponectin as a rapid-acting antidepressant: an investigation of its mechanisms of action  | Suk Yu Yau                 |
| Oral    | OA050     | COVID-9 pandemic and lockdowns did not significantly affect GABA and glutamine levels in patients with treatment resistant depression and healthy individuals   | Valentin Popper            |
| Oral    | OA051     | Central and peripheral changes in the metabolism of tryptophan via serotonin and kynurenine in neuropathic rats tolerant to morphine  | Stefano Comai              |
| Oral    | OA052     | Gender-affirming hormone therapy influences insular connectivity patterns in gender dysphoric and cisgender individuals   | Murray Bruce Reed          |
| Oral    | OA053     | A meta-analysis of polygenic risk scores for mood disorders, neuroticism, and schizophrenia in antidepressant response  | Giuseppe Fanelli           |
| Oral    | OA054     | Predicting Suicidality among Depressed Patients with Bipolar Disorder: A Structural Neuroimaging and Machine Learning Study   | Lidia Fortaner-Uyà         |
| Oral    | OA055     | Mitigation strategy-associated global reductions in cortical thickness in patients with treatment resistant depression compared to healthy individuals during the COVID-19 pandemic in Austria                    | Jakob Unterholzner         |
| Oral    | OA056     | Repeated pharmacological activation of SK channel precipitates depressive-like behavior and cognitive deficit in an age-dependent manner  | S M Nageeb Hasan           |
| Oral    | OA057     | A Bayesian perspective on the influence of gender-affirming hormone therapy on behavioural and neural correlates of sexual arousal  | Manfred Klöbl              |
| Oral    | OA058     | A Case Describing Two Rare Causes of Mania  | Lymaries Velez             |
| Oral    | OA059     | Methylone, a rapid acting entactogen with robust antidepressant-like activity in the Forced Swim Test   | Jennifer Warner-Schmidt    |
| Oral    | OA060     | Mitigation strategy-associated global reductions in cortical thickness in patients with treatment resistant depression compared to healthy individuals during the COVID-19 pandemic in Austria                    | Keiko Ikemoto              |
| Oral    | OA061     | TAAR1 ligand neuron, D-neuron: Key of novel non-D2 receptor-binding antipsychotics, including SEP-363856 (Ulotaront)  | Keiko Ikemoto              |
| Oral    | OA062     | Can Pediatric Bipolar Disorder Be Successfully Treated When Comorbid with Conduct Disorder? A Secondary Analysis of Clinical Trials of Risperidone, Olanzapine, Aripiprazole, Ziprasidone, and Quetiapine         | Janet Wozniak              |
| Oral    | OA063     | Open-Label Trial of N-acetylcysteine for the Treatment of Pediatric Bipolar Spectrum Disorder   | Janet Wozniak              |
| Oral    | OA064     | A Randomized, Double-Blind, Controlled Clinical Trial of Omega-3 Fatty Acids and Inositol as Monotherapies and in Combination for the Treatment of Pediatric Bipolar Spectrum Disorder                            | Janet Wozniak              |
| Oral    | OA065     | Long-term effects of adjunctive brexpiprazole on life engagement in patients with major depressive disorder: post hoc analysis of Inventory of Depressive Symptomatology Self-Report data                         | François Therrien          |
| Oral    | OA066     | Reward seeking behavior towards food-related stimuli under amygdala activation in rats.   | Chien-Wen Lai              |



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| Oral    | OA067     | Bone Formation Marker Increase are Associated with Mood and Relapse Improvement during Detoxification of Alcohol Dependent patients   | Megan Tsao         |
| Oral    | OA068     | The temporal profiles of frontal gene expression compared in the rat model of post-traumatic stress disorder (PTSD) and the conditioned fear model  | Shao-Han Chang     |
| Oral    | OA069     | Secondhand smoke increases the risk of psychiatric morbidity: a population-based longitudinal cohort study  | Jia-In Lee         |
| Oral    | OA073     | Distinct behavior in early life stress dams predicts heterogeneity in future stress response in offspring over lifespan   | Franziska Mey      |
| Oral    | OA075     | Insulin metabolism indexes modulate brain structure and function in depressed bipolar disorder patients   | Federico Calesella |
| Oral    | OA076     | Escitalopram and Structural Plasticity in the left Dorsolateral Prefrontal Cortex   | Thomas Vanicek     |
| Oral    | OA077     | Latin American Consensus Recommendations for the Management and Treatment of Patients with Treatment Resistant Depression (TRD)   | Ricardo Corral     |
| Oral    | OA080     | Interim Results from the First International Randomized Trial of an NCE as an Add-on in Patients with Treatment-Resistant Schizophrenia (TRS): Benefits of Glutamate Modulation with Evenamide  | Ravi Anand         |
| Oral    | OA081     | Aucklandia lappa reduces A <sub>β</sub> , hyperphosphorylated tau and memory deficits in 3xTg Alzheimer mice  | Yu-Jung Cheng      |
| Oral    | OA082     | Retinal Nerve Fiber Layer Thickness Associated with Specific Brain Region Volumes in Bipolar Disorder   | Shang-Ying Tsai    |
| Oral    | OA083     | Metanalysis of topiramate use in alcohol use disorder   | Shaw-Ji Chen       |
| Oral    | OA084     | CPEB3-dowregulated Nr3c1 mRNA translation confers resilience to developing posttraumatic stress disorder-like behavior in fear-conditioned mice   | Yi-Shuan Huang     |
| Oral    | OA085     | Different but Shared Molecular Mechanisms Underlying 10-Hz Repetitive Transcranial Magnetic Stimulation and Intermittent Theta Burst Stimulation over Left Prefrontal Cortex for Treatment-Resistant Depression: A Randomized Sham-Controlled Trial | Cheng-Ta Li        |
| Oral    | OA087     | Associations of leptin, C-reactive protein and corticostriatal connectivity in bipolar disorder   | Shyh-Yuh Wei       |
| Oral    | OA088     | Clinical Experience with Brexpiprazole for the Treatment of Schizophrenia in Central Taiwan   | Nan-Ying Chiu      |
| Oral    | OA089     | Clinical Experiences of Alcohol Use Disorder Treatment with Naltrexone and Acamprosate  | Nan-Ying Chiu      |
| Oral    | OA090     | Microbial metabolites regulate social novelty via the CaMKII neurons in the BNST  | Chia-Wei Liou      |
| Oral    | OA091     | Microbiota modulates locomotion via vagus-dependent glucagon-like peptide-1 signaling   | Tzu-Ting Lai       |
| Oral    | OA092     | The effects of Lactobacillus Plantarum PS128 on depressive symptoms in patients with major depressive disorder: an 8-week randomized double-blind, placebo-controlled study   | Chun-Hsin Chen     |
| Oral    | OA093     | Clinical Profiles of Patients Intoxicated with Synthetic Cathinones and Methamphetamines: A Matched Case-control Study in a Psychiatric Emergency Department  | Chia-Heng Lin      |
| Oral    | OA094     | The efficacy of non-invasive, non-convulsive electrical neuromodulation on depression, anxiety and sleep disturbance: A systematic review and meta-analysis   | Yingchih Cheng     |
| Oral    | OA095     | Lower batokine BMP8b levels in medicated than drug-free schizophrenia patients and the association with metabolic abnormalities   | Po-Yu Chen         |
| Oral    | OA096     | Prefrontal excitation-inhibition balance and social cognition in bipolar disorder   | Chengying Wu       |
| Oral    | OA097     | Different association between inflammatory markers and executive function across different psychiatric disorders  | Tzu-Yun Wang       |
| Oral    | OA098     | Inhibition of neutral amino acid transporters ASCT1 and ASCT2 by L-4-fluorophenylglycine promotes antidepressant-like effects   | Hwei-Hsien Chen    |
| Oral    | OA099     | The neuroaxonal injury biomarker of Neurofilament Light Chain in Major depressive disorder and Bipolar disorder   | Ya Mei Bai         |
| Oral    | OA100     | Decreased local functional connectivity associated with enhanced long-range functional connectivity in cognitive networks after benzoate treatment in mild cognitive impairment patients: a pilot fMRI study  | Cheng-Hao Tu       |



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| Oral    | OA101     | Social cognitive deficits in euthymic bipolar patients are associated with worse sensorimotor processing and non-social neurocognitive function.  | Ying Tsung Tsai   |
| Oral    | OA102     | A critical time window for early-life antibiotic exposure on autistic-like behavior and gut microbiota dysbiosis in mice  | Yuan Yuan Lin     |
| Oral    | OA103     | Biological evidence for the vulnerability of late-life depression with suicide attempt to white matter hyperintensity which may contribute to higher risk of dementia                     | Yi-Jung Lin       |
| Oral    | OA104     | Role of Orexin-A in the Treatment Response to Clozapine in Patients with Schizophrenia  | Yan Jiun Hung     |
| Oral    | OA105     | Subtyping major depressive disorder: Complete-linkage clustering voxel-wise functional connectivity of resting fMRI   | Yan-Cheng Chen    |
| Oral    | OA106     | Intracortical inhibition and HPA axis function in MDD   | Yun Tzu Lan       |
| Oral    | OA107     | Dysfunction of Circulating Endothelial Progenitor Cells in Patients With Major Depressive Disorder  | Ying-Jay Liou     |
| Oral    | OA108     | Improved hemispheric lateralization of semantic processing after aripiprazole treatment in first-episode psychosis or ultra-high risk state   | Tzung-Jeng Hwang  |
| Oral    | OA109     | Phase-dependent alterations in blood orexin-A levels in methamphetamine users   | Wan Chen Lee      |
| Oral    | OA110     | Neuronal correlates of mismatch negativity deficit of schizophrenia   | Yi-Ting Lin       |
| Oral    | OA111     | Interactions between dopamine transporter and N-methyl-D-aspartate receptor-related amino acids in cognitive impairments in schizophrenia   | Kai-Chun Yang     |
| Oral    | OA112     | Association of dementia risk genes and mild behavioral impairment   | Cheng-Sheng Chen  |
| Oral    | OA113     | Light and Behavioural and Psychological Symptoms of Dementia (BPSD) in Care Home Patients - A Perspective From Sleep-Wake Rhythm  | Ta-Wei Guu        |
| Oral    | OA114     | Correlation of potential diagnostic biomarkers (peripheral miRNA and protein) of bipolar II disorder  | Sheng-Yu Lee      |
| Oral    | OA115     | Manic Psychosis Associated with Salvia divinorum  | Tse-Yu Lin        |
| Oral    | OA116     | Associations between BDNF Val66Met Polymorphism, Melancholic Feature and Treatment Refractoriness in Patients with Treatment-resistant Depression   | Yu-Shiou Lin      |
| Oral    | OA117     | Polygenic risk scores indicates genetic overlap between methamphetamine use and other psychiatric disorders   | Yen-Feng Lin      |
| Oral    | OA118     | Causal effect of Fibroblast growth factor-2 on Bipolar disorder risk: A Mendelian randomization analysis  | Chia Hui Chiu     |
| Oral    | OA119     | The relation between second-generation antipsychotics and laxative use in elderly patients with schizophrenia   | Ching-Hua Lin     |
| Oral    | OA121     | Experiences, preferences, and stigmatized attitudes among Taiwanese depressed patients  | Chia-Ming Chang   |
| Oral    | OA122     | Role of Endocannabinoid Signaling for the Antidepressant Activity of Omega-3 Fatty Acids  | Kuan Pin Su       |
| Poster  | P001      | Cognitive Performances across Individuals at High Genetic Risk for Schizophrenia, High Genetic Risk for Bipolar Disorder, and Low Genetic Risks: A Combined Polygenic Risk Score Approach | Kazutaka Ohi      |
| Poster  | P002      | Impaired neural inflammation and stress tolerance against acute restraint stress in Interleukin-18-deficient mice   | Kyosuke Yamanishi |
| Poster  | P003      | Serotonin transporter promoter activity regulated by polymorphisms and DNA methylation affects depression and cognitive decline in old people: The Arao study                             | Yutaro Yanagida   |
| Poster  | P004      | Ifenprodil for the treatment of methamphetamine use disorder: An exploratory, randomized, double-blind, placebo-controlled trial  | Hiroko Kotajima   |
| Poster  | P005      | Ketamine and esketamine in geriatric depression: case series and a literature review  | Simon Kung        |
| Poster  | P006      | The neuronal network between the dorsal striatum and dorsal raphe nucleus modulated by N-acetyltransferase, Shati/Nat8l, regulates the stress sensitivity                                 | Hajime Miyanishi  |



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|---------|-----------|--|---------------------|
| Poster  | P007      | Depression and stress during the first lockdown among teenage students in Taiwan   | Wenyu Hsu           |
| Poster  | P008      | Nicotinic acetylcholine receptor subtypes regulate social and cognitive behaviors in mice administered phencyclidine repeatedly  | Yukihiro Noda       |
| Poster  | P009      | Social isolation during the COVID-19 pandemic: the mental health of patients with dementia and their caregivers  | Shisei Tei          |
| Poster  | P010      | CB1 receptors in the mice prefrontal cortex regulate spatial cognitive function.   | Tomohiro Tokutake   |
| Poster  | P011      | High-sucrose diets contribute to brain angiopathy with impaired glucose uptake into the brain parenchyma and psychosis-related higher brain dysfunctions in mice   | Shinobu Hirai       |
| Poster  | P012      | Immediate and delayed alterations in glutamate levels and resting state functional connectivity in the default mode network after S-ketamine in healthy volunteers: An ultra-high field multimodal brain imaging study                           | Lena Vera Danyeli   |
| Poster  | P013      | Intraventricular interleukin-17A administration activates microglia and altered their localization in the cerebral cortex of fetal brain   | Tetsuya Sasaki      |
| Poster  | P014      | A role for the mu opioid receptor in the antidepressant effects of a delta opioid receptor agonist KNT-127   | Yuki Moriya         |
| Poster  | P015      | The Efficacy of Anti-epileptic Drugs in the Animal Model of Autism Spectrum Disorder   | Yuka Moriya         |
| Poster  | P016      | A Single Yoga Session for Stress and Anxiety in Adults with or without Mental Illnesses: A Scoping Review  | Saeko Ikai-Tani     |
| Poster  | P017      | The correlation of neuropsychiatric diseases with cardiovascular diseases based on NDB Open Data Japan   | Kazuo Ishii         |
| Poster  | P018      | The relationship between social avoidance and in vivo frontal mGluR5 availability in drug-naïve patients with major depressive disorder: A preliminary study   | Jong-Hoon Kim       |
| Poster  | P019      | Involvement of muscarinic receptors for psychomotor hyperactivity in dopamine deficient mice   | Masayo Fujita       |
| Poster  | P020      | Sustained response with lurasidone in patients with acute schizophrenia: A post-hoc analysis of randomized, placebo-controlled trial (JEWEL study)   | Kentaro Takai       |
| Poster  | P021      | Predictor for recovery in patients with first episode psychosis  | Ling Li             |
| Poster  | P022      | Impact of environmental factors and premorbid adjustment on the cortical thinning in patients with schizophrenia   | Fatima Zahra Rami   |
| Poster  | P023      | Extracellular cardiolipin enhances the uptake of amyloid- <sub>1-42</sub> by microglia and brain organoids   | Taryn Murray        |
| Poster  | P024      | The difference symptomatic improvement pattern revealed by factor analysis between placebo response and response to antidepressant in treatment resistant depression: A exploratory analysis of a failed clinical trial of Intranasal Esketamine | Akihide Wakamatsu   |
| Poster  | P025      | Effect of lurasidone on prosocial function in schizophrenia: Post hoc analysis of JEWEL study  | Hidenori Maruyama   |
| Poster  | P026      | Maternal exercise improves hippocampal synaptic plasticity in adult offspring  | Julia Rosa          |
| Poster  | P027      | Retinoic acid-related orphan receptor- $\gamma$ overexpression affect the murine central nervous system and behaviors  | Tetsuya Sasaki      |
| Poster  | P028      | THE TREATMENT OF MICROBE THERAPY IN A LONGITUDINAL FOLLOW-UP OF PSYCHIATRIC DISORDERS: A SYSTEMATIC REVIEW   | Cassandra Sgarbossa |
| Poster  | P029      | Intracerebral expression pattern of ASD risk gene MyosinIId mRNA and localization of the translation products to dendrite spines.  | Tetsuya Sasaki      |
| Poster  | P030      | Distribution pattern of mRNA of Interleukin-17 receptor A in the murine primary somatosensory area during the postnatal period.  | Tetsuya Sasaki      |
| Poster  | P031      | Primate specific synaptic reorganization during postnatal development and its disruption in ASD  | Tetsuya Sasaki      |
| Poster  | P032      | Single-nucleotide polymorphisms of the SLC17A9 and P2RY12 genes are significantly associated with phantom tooth pain   | Soeda Moe           |
| Poster  | P033      | A Population Pharmacokinetic Analysis on Pharmacokinetic Characteristics Difference of Lurasidone Between Chinese and Western Subjects   | Huijuan Zhang       |



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| Poster  | P034      | Association of a single nucleotide polymorphism rs12496846 in the C3orf20 gene region, identified to be associated with postoperative analgesia after mandibular sagittal split ramus osteotomy, with postoperative analgesia after major abdominal surgery and C3orf20 gene expression in the brain | Daisuke Nishizawa        |
| Poster  | P035      | Does Sex Moderate the Clinical Presentation in Psychiatrically Referred Populations with Autism Spectrum Disorder?   | Christina Lefebvre       |
| Poster  | P036      | Involvement of ASIC1a in ASIC4-positive BNST/amygdala neurons in modulating anxiety and fear.  | Ya-Chih Chien            |
| Poster  | P037      | Long-term study of a transdermal patch formulation of blonanserin (DSP-5423P) in Japanese patients with schizophrenia  | Yoshifumi Inoue          |
| Poster  | P038      | Comparison of safety profiles between transdermal patch formulation and tablet formulation of blonanserin -Post hoc analysis of phase 3 clinical trial data-   | Yoshifumi Inoue          |
| Poster  | P039      | Safety evaluation of transdermal patch of blonanserin in patients with schizophrenia with abnormal liver function test results - Post hoc analysis of phase 3 clinical trial data-   | Yoshifumi Inoue          |
| Poster  | P040      | Functional Connectivity Changes in Treatment-Resistant Depression Upon Bilateral, Sequential Theta-Burst Stimulation   | Peter Stöhrmann          |
| Poster  | P041      | Poor and ultrarapid CYP2D6 and CYP2C19 phenotypes in diverse populations: findings from a very large sample and "big data" analysis  | Yuliang Hu               |
| Poster  | P042      | Sex dependent abnormal behavior in polyI:C-induced maternal immune activation model without gut segmented filamentous bacteria in mice   | Shinya Fujii             |
| Poster  | P043      | Cariprazine-induced Obsessive Compulsive Symptoms in a Patient with Bipolar Disorder   | Pornjira Pariwatcharakul |
| Poster  | P044      | Multilevel analysis of habitual physical activity facilities and cognitive impairment: a population-based study in Taiwan  | Hui-Wen Yang             |
| Poster  | P045      | The pathological mechanisms of gender and menopause factors influencing cognitive impairments in Alzheimer's mice: role of autonomic nervous system and sleep.   | Huang-Chang Chen         |
| Poster  | P046      | Pupillary response and its clinical correlates in autism spectrum disorder   | Juei-Po Lee              |
| Poster  | P050      | Neurobiological mechanisms of burnout in medical professionals   | Junya Fujino             |
| Poster  | P055      | The Effect of Lurasidone on Anhedonia in Adult Patients with Bipolar Depression  | Michael Tocco            |
| Poster  | P057      | Safety Profile of Evenamide, a Novel Add-on Treatment for Patients with Schizophrenia Showing Inadequate Response to Antipsychotics  | Ravi Anand               |
| Poster  | P058      | Design for an International Potentially Pivotal Clinical Trial for Evenamide as Add-on Treatment for Patients with Treatment-Resistant Schizophrenia not Benefiting from Atypical Antipsychotics   | Ravi Anand               |
| Poster  | P061      | Predicting bipolar and unipolar depression based on immune-inflammatory markers and structural neuroimaging data: a machine learning study   | Federica Colombo         |
| Poster  | P062      | Lithium May Have Cardioprotective Potential via the Inhibitory Action on Myocardial Hypertrophy and Mitochondrial Oxidative Stress   | Pao-Huan Chen            |
| Poster  | P063      | MicroRNAs serve as prediction and treatment-response biomarkers of attention-deficit/hyperactivity disorder and promote the differentiation of neuronal cells  | Liang-Jen Wang           |
| Poster  | P064      | Associations of pro-inflammatory cytokines and depressive symptoms in major depression and bipolar disorder: a 1-year follow-up study  | Mao-Hsuan Huang          |
| Poster  | P065      | Increased Nectin-4 levels in chronic ketamine abusers and the relationship with lower urinary tract symptoms   | Hu-Ming Chang            |
| Poster  | P066      | Relationship Between the Domains of Theory of Mind, Social Dysfunction, and Oxytocin in Schizophrenia  | Kah Kheng Goh            |
| Poster  | P067      | Factors affecting switching from clozapine to paliperidone among patients with chronic schizophrenia in a nursing home - A preliminary study   | Dian-Jeng Li             |
| Poster  | P068      | Shared and Distinct Alterations of Brain Functional Connectivity Across Attention Deficit Hyperactivity Disorder, Bipolar Disorder, and Major Depressive Disorder in Adolescence   | Wan-Chen Chang           |
| Poster  | P069      | Therapeutic drug monitoring of paliperidone in patients with schizophrenia in Taiwan   | Shih-Ku Lin              |
| Poster  | P070      | Elevated C-Reactive Protein Levels modify the effect of Magnesium on depression: a population-based study.   | Ming-Hui Chou            |



| Session | Program # | Presentation Title   | Presenter         |
|---------|-----------|--|-------------------|
| Poster  | P071      | The changes of microstructure of white matter tracts predict persistent attention-deficit/hyperactivity disorder symptoms  | Huey-Ling Chiang  |
| Poster  | P072      | Psychobiotic supplementation, anxiety, and stress among clinical nurses: A double-blind randomized control study   | Shu-I Wu          |
| Poster  | P073      | The dose-dependent effects of aripiprazole on prolactin levels and sexual function in patients with schizophrenia  | Mong-Liang Lu     |
| Poster  | P074      | Childhood physical neglect and mitochondrial copy number in patients with bipolar disorders  | Cheng-Chen Chang  |
| Poster  | P075      | Predicting suicidality in patients with major depressive disorder: a modification of current rating scales   | Jen-Ping Chen     |
| Poster  | P076      | Dose-response analysis of aripiprazole in Taiwanese schizophrenic patients   | Yun Tien          |
| Poster  | P077      | Applying Machine Learning in the Gait Analysis and Physiological Signals in Early Dementia   | Min-Wei Huang     |
| Poster  | P078      | Cluster analysis dissecting cognitive deficits in elderly with severe mental disorders and the association between neurofilament light chain                               | Chu Ting Yang     |
| Poster  | P079      | Brain functional connectivity from electroencephalography signals and potential predictive biomarkers of treatment response of major depression                            | Shiau-Shian Huang |
| Poster  | P080      | Role of lateral habenula to ventral tegmental area projection glutamate in extinction of methamphetamine-conditioned place preference                                      | Hsu-Sheng Chang   |
| Poster  | P081      | Plasma Nectin-4 increase in alcohol dependent patients is correlated with severity of brain damage and drinking compulsivity improvement during detoxification period      | Hsiang-Wei Kuo    |
| Poster  | P082      | Gender Differences in the Leptin Reduction Associated with Chronic Ketamine Use  | Hsuanyun Su       |
| Poster  | P083      | The role of miR199a-3p and NEDD4 on the development of methamphetamine addiction   | Sin-Jie Jian      |
| Poster  | P084      | Pharmacological and nonpharmacological augmentation treatments for clozapine-resistant schizophrenia: a systematic review and network meta-analysis                        | Ta-Chuan Yeh      |
| Poster  | P085      | Preventive effects of L-theanine on reinstatement of methamphetamine conditioned place preference  | Ming-Huan Chan    |
| Poster  | P086      | The Differences of Orexin-A Levels between Antipsychotic-treated And Drug-free Patients with Schizophrenia   | Yuyu Ko           |
| Poster  | P087      | The Effect of Different Intermittent Hypoxia Severity on Cognitive Function in Rats: The Roles of Autonomic Regulation and Sleep   | Sheng-Chieh She   |
| Poster  | P088      | Plasma nicotine metabolite cotinine level in alcohol dependence  | Tung-Hsia Liu     |
| Poster  | P089      | The Restoration Effect of Sleep Apnea After Stroke on Behaviors and Pathophysiology Using Animal Model   | Chi-Wei Lin       |
| Poster  | P090      | Naltrexone and its Active Metabolite 6_-Naltrexol Metabolic Analyses In Vitro  | Shu Chih Liu      |
| Poster  | P091      | Machine learning approach to screen and differentiate the severity of obstructive sleep apnea with questionnaires and blood oxygen saturation                              | Nai Yu Kuo        |
| Poster  | P092      | Using normative model to analyze the changes of white matter microstructural properties in autism spectrum disorder:   | Yi-Ling Chien     |
| Poster  | P093      | The effectiveness of virtual reality-based job interview training in adults with autism spectrum disorder  | Yi-Ling Chien     |
| Poster  | P094      | Assessing frontal lobe function using functional near infrared spectroscopy in autism spectrum disorder  | Yi-Ling Chien     |
| Poster  | P095      | Dose antidepressant prescription increase the risk of mortality in patients with dementia?   | Jian-An Su        |
| Poster  | P096      | Ketamine-dependent Patients with Persistent Psychosis Have Higher Neurofilament Light Chain Levels Than Those Without  | An-Nie Chung      |
| Poster  | P097      | Increased incidence of alcohol use disorder and alcohol-related psychiatric disorders in patients with obstructive sleep apnea: a nationwide population-based cohort study | Yi-Wei Yeh        |





| Session | Program # | Presentation Title  | Presenter       |
|---------|-----------|---|-----------------|
| Poster  | P098      | Efficacy of repetitive transcranial magnetic stimulation in patients with methamphetamine use disorder: a systematic review and meta-analysis of randomized controlled trials           | Chun-Hung Chang |
| Poster  | P099      | Regulatory Role of Hippocampal miR-328 on a Mouse Model of Psychosis Combining Methamphetamine with Electroconvulsive Shock   | Yulin Chao      |
| Poster  | P100      | Impacts of the COVID-19 Pandemic on Sleep Medicine Services: Longitudinal Data from a Sleep Center in Taiwan  | Yee-Lam Chan    |
| Poster  | P101      | The Hippocampal Subfield Volumes and the Clinical Profiles in the Sporadic form of Behavioral Variant Frontotemporal Dementia with Complex Compulsive Behaviors                         | Mu N Liu        |
| Poster  | P102      | Changes of Plasma Neurofilament Light Chain in Alcohol-dependent Patients Following Detoxification and the Effect from ALDH2 gene   | Hsueh-Yuan Tu   |
| Poster  | P103      | The association between obstructive sleep apnea and anxiety disorders: insights from a national survey  | Tien-Yu Chen    |
| Poster  | P104      | rTMS Treatment in a Patient with Comorbid MDD and PTSD: A Case Report   | Yu-Ju Shih      |
| Poster  | P105      | Dynamic Changes of Quality of Life in heroin users receiving opioid agonist therapy   | Kun-Chia Chang  |
| Poster  | P106      | Correlation of Proinflammatory Cytokines, Brain-Derived Neurotrophic Factors, Disease Severity, Depressive Symptoms, and Reduced Gray Matter Volumes in patients with Atopic Dermatitis | Cheng-Yuan Li   |
| Poster  | P107      | Two-Wave Surveys of Caregivers' Intentions to Vaccinate Their Children with Attention-Deficit/Hyperactivity Disorder against COVID-19 and Concerns about Vaccination in Taiwan          | Cheng-Fang Yen  |
| Poster  | P108      | Predicting the treatment outcome of antidepressants using deep learning in patients with major depressive disorder  | Hui Hua Chang   |
| Poster  | P109      | Ten-Year Trends in Depression Treatment Pattern in Taiwan   | Chi-Shin Wu     |
| Poster  | P110      | Causality of Abdominal Obesity on Cognition: a Trans-ethnic Mendelian Randomization study   | Shi-Heng Wang   |
| Poster  | P111      | Comparing fluid intelligence of children with similar socioeconomic status in urban and rural areas: A case control study   | Ping-Tsun Chang |
| Poster  | P113      | Effect of a Novel Telehealth Device for Dietary Cognitive Behavioral Intervention in Obesity Care: A Pilot Study  | Yiya Fang       |
| Poster  | P114      | Association between host genetic variants and gut microbiota composition in mood disorders  | Wen-Ya Hsu      |
| Poster  | P115      | Probing the association between GABA concentrations in the anterior cingulate cortex and psychological resilience among patients with Graves' disease using MEGA-PRESS MRS              | Shihi-Hsien Lin |
| Poster  | P116      | Investigating the Role of PAK6 in Patient-Derived Glioblastoma  | Yuan-Shuo Hsueh |
| Poster  | P117      | Pharmacologic and hormonal treatments for menopausal sleep disturbances: A network meta-analysis of 43 randomized controlled trials and 32,271 menopausal women                         | Ping-Tao Tseng  |