

Mental Health

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DESCRIPTION

The Sant Pau Mental Health Research Group primarily develops clinical research lines aimed at addressing the needs of individuals treated at the Psychiatry Department of the Hospital de la Santa Creu i Sant Pau, thereby covering a wide spectrum of psychiatric disorders and mental health issues.

MAIN LINES OF RESEARCH

- **Mood Disorders and Suicide:** This research line studies major depressive disorder and suicide, in close collaboration with other research lines within the group. (Cardoner Álvarez, Narcís; De Diego Adeliño, Francisco Javier).
- **Psychotic Disorders:** Studies related to treatment-resistant schizophrenia and metacognitive therapy for patients with schizophrenia. (Grasa Bello, Eva María; Roldan Bejarano, Alexandra).
- **Borderline Personality Disorder:** Research on new third-generation psychotherapeutic approaches such as Mindfulness, Dialectical Behavior Therapy, Acceptance and Commitment Therapy, and Positive Psychology. (Soler Ribaudi, Joaquín).
- **Eating Disorders:** Research focused on evidence-based treatment strategies, mainly behavioral interventions, with ongoing projects. (Carceller Sindreu, María Del Mar; Carmona Farrés, Cristina).
- **Intensive Home Treatment (IHT) and Community Intervention:** This line focuses on studies evaluating patient and caregiver

care experiences, as well as improving home treatments, aiming to enhance people's quality of life. (Martín Blanco, Ana)

- Addictive Behaviors: This line aims to establish bidirectional connections between clinical practice and research in the field of addictive disorders in order to suggest hypotheses, incorporate recent advances, develop new measurement instruments and evaluate the effectiveness of interventions, always trying to incorporate the patient's perspective on the path towards these objectives. (Trujols Albet, Joan).

SCIENTIFIC CHALLENGES

- Foster research that reduces the healthcare, social and personal costs of mental illness by exploring areas such as epidemiology, etiopathogenesis, physiopathology, prevention and treatment.
- Foster research into mental health therapies.
- Foster research to improve the quality of life of patients with mental disorders.

ACTIVE & AWARDED GRANTS

- Cardoner Álvarez, Narcis. Predicción de la respuesta terapéutica en la depresión resistente al tratamiento a través de algoritmos de aprendizaje automático: mejora de la traslación de la neuroimagen a la atención clínica. PI21/01756. Instituto de Salud Carlos III (ISCIII). Duration: 2022-2024. 111.320,00 €
- Cardoner Álvarez, Narcis. Unraveling the influence of gut microbiota and derived metabolites on major depression: A crosssectional neuroimaging-metabolomics study based on knowledge transfer from irritable bowel syndrome (IBS) and a porcine model: MOODGUT. MARATO 202209-30. Fundació La Marató de TV3. Duration: 2023-2026. 182.500,00 €
- Cardoner Álvarez, Narcis. Avaluació d'intervencions de prevenció del dol per supervivents de suïcidi: IDOLS. Fundació La Caixa. Duration: 2023-2025. 32.336,70€.
- Cardoner Álvarez, Narcis & Cano Catala, Marta. Efectos antidepresivos de la psilocibina en ausencia de experiencia psicodélica serotoninérgica: un enfoque dimensional de neuroimagen funcional. PI24/01927. Instituto de Salud Carlos III (ISCIII). Duration: 2025-2027. 158.750,00 €
- Corripio Collado, Iluminada. Estimulación Cerebral Profunda: hacia una nueva intervención para la recuperación del paciente con esquizofrenia resistente al tratamiento. PI19/00242. Instituto de Salud Carlos III (ISCIII). Duration: 2020-2024. 102.850,00 €
- De Diego Adeliño, Franciso Javier. Depression and its treatment: Role of miRNAs in the anterior cingulate cortex, as peripheral biomarkers, and their targeted modulation by nano-tools as a promising antidepressant therapy (DemiRNApy). MARATO 202207-32. Fundació la Marató de TV3. Duration: 2023-2026. 72.837,50 €
- De Diego Adeliño, Franciso Javier. Biomarcadores multimodales de conectividad y señal neural para la personalización de la Estimulación Cerebral Profunda (DBS) en la depresión refractaria. PI23/00469. Instituto de Salud Carlos III (ISCIII). Duration: 2024-2026. 62.500,00 €
- De La Peña Arteaga, Víctor. Ayudas para contratos Juan de la Cierva 2022. JDC2022-048445-I. Ministerio de Ciencia e Innovación (MICINN). Duration: 2024-2025. 67.400,00€
- Porta Casteras, Daniel. Ayudas para contratos Juan de la Cierva 2023. JDC2023-050777-I. Ministerio de Ciencia, Innovación y Universidades. Duration: 2025-2027. 72.000,00 €
- Portella Moll, Maria. Rehabilitación Integral cognitiva para DEpresión Mayor (RIDEM). Ensayo clínico multicéntrico, aleatorizado para investigar su eficacia. PI20/00270. Instituto de Salud Carlos III (ISCIII). Duration: 2021-2024. 116.765,00 €
- Portella Moll, Maria. A Phase III, Randomized, Active Comparator-controlled, Clinical Trial to

- Study the Efficacy and Safety of the INtegral Cognitive REMediation program (INCREM) in patients with Depression. MARATO 202227-30. Fundacio la Marato de TV3. Duration: 2023-2026. 186.408,75 €
- Portella Moll, Maria & Vicent Gil, Muriel. Proteínas Sinápticas e Inflamatorias como Marcadores de Disfunción Cognitiva en Pacientes con Depresión Mayor Tratados con el Programa de Remediación Cognitiva RIDEM. PI23/00468. Instituto de Salud Carlos III (ISCIII). Duration: 2024-2026. 115.000,00 €
 - Portella Moll, Maria. Grup de Recerca en Salut Mental Sant Pau. 2021 SGR 00832. Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR). Duration: 2022-2025. 60.000,00 €.
 - Portella Moll, Maria. Towards the next generation of excellent young doctoral researchers on mental health by developing an intersectoral & transdisciplinary approach. 101126533 — TOUCH. HORIZON-MSCA-2022-COFUND-01 (UAB). Duration: 2024-2029. 84.600,00 €.
 - Portella Moll, Maria. Co-creació d'Aut-CARE (Autism Cognitive-Affective REMediation for adults). CX23-00055. Fundació La Caixa. Duration: 2024-2026. 45.652,68 €
 - Belbin, Olivia Elizabeth & Portella Moll, Maria. Synapsing Mental Disorders and Neurodegenerative diseases: Towards more effective diagnosis and management of psychiatric symptoms. 101156566. HORIZON-HLTH-2024-DISEASE-03-14-two-stage. European Union. Duration: 2024-2029. 1.014.147,61 €
 - Soler Ribaudi, Joaquín. Ensayo clínico sobre los efectos de un entrenamiento de habilidades en síntomas de larga evolución en pacientes con Trastorno Límite de Personalidad. PI19/00087. Instituto de Salud Carlos III (ISCIII). Duration: 2020-2024. 25.168,00 €
 - Soler Ribaudi, Joaquín. Assaig controlat aleatoritzat per avaluar l'eficàcia de l'entrenament d'habilitats de la RO-DBT en pacients amb trastorns alimentaris i trets de l'espectre autista: un estudi de prova de concepte. MARATO 202231-10. Fundacio la Marato de TV3. Duration: 2023-2026. 148.306,25 €
 - Trujols Albet, Joan. Invariancia de medición de los instrumentos de uso habitual en investigación sobre prevención y tratamiento del trastorno de juego. SUBV/00014. Ministerio de Consumo. Duration: 2022-2024. 11.660,00 €
 - Trujols Albet, Joan. La perspectiva del paciente en tratamiento con agonistas opioides en la priorización de variables de resultado: Revisión sistemática mixta y desarrollo de una escala centrada en el paciente. 20211073. PNSD. Ministerio de Sanidad, Servicios Sociales e Igualdad. Duration: 2022-2025. 17.846,00 €

DOCTORAL THESES DEFENDED

- Gracia Liso, Rebeca. Influencia de la pandemia de covid-19 en los intentos de suicidio de la población adolescente. 25/10/2024. Universitat Autònoma de Barcelona. Supervisors: Palao Vidal, Diego J.; Portella Moll, Maria; Montalvo Aguirrezabala, Itziar. <https://hdl.handle.net/10803/692882>
- Schmidt Gómez, Carlos. The role of emotion dysregulation in non-suicidal self-injury and borderline personality disorder: predictors and mechanism-based treatment approach. 11/12/2024. Universitat de Barcelona. Supervisors: Soler Ribaudi, Joaquín; Vega Moreno, Daniel; Rodríguez Fornells, Antoni.

SCIENTIFIC PRODUCTION

- Almodóvar C, Guardiola M, Giralte M, Oscoz M, Canales EJ, Madre M, Soler J, Ramiro N, Callado LF, Arias B, Gallego C, Pomarol E, Fatjó M. *<i>NRN1</i> epistasis with *<i>BDNF</i> and *<i>CACNA1C</i>*: mediation effects on symptom severity through neuroanatomical changes in schizophrenia. Brain Structure & Function. 2024; 229(5). DOI:10.1007/s00429-024-02793-5. PMID:38720004. IF:2,700 (Q1/1D). Document type: Article.**
- Álvarez I, Soler J, Schmidt C, Pascual JC. Physical health, primary care utilization

- and long-term quality of life in borderline personality disorder: A 10-year follow-up study in a Spanish sample. *JOURNAL OF PSYCHOSOMATIC RESEARCH*. 2024; 179:111623. DOI:10.1016/j.jpsychores.2024.111623. PMID:38422718. IF:3,500 (Q2/3D). Document type: Article.
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 - Casellas E, Soler J, Schmidt C, Soria A, Elices M, Pascual JC. Contextual-compassion training for borderline personality disorder with long lasting symptoms: A randomized clinical trial. *Journal of Contextual Behavioral Science*. 2024; 34:100846. DOI:10.1016/j.jcbs.2024.100846. IF:3,400 (Q1/2D). Document type: Article.
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