Corrado Barbui corrado.barbui@univr.it	Evidence-based medicine and global mental health	This research initiative seeks to bridge the gap between evidence-based medicine and the realm of global mental health. By integrating rigorous research methodologies with global mental health principles, this endeavour aims to enhance the understanding and delivery of mental health services worldwide. Drawing upon collaborative efforts with international partners and organisations, evidence-based interventions that can be implemented across diverse cultural contexts will be identified. Through systematic reviews, meta-analyses, and implementation studies, this research initiative aims to synthesise existing evidence and generate new insights into practical strategies for addressing mental health disparities globally. Research in this area will be conducted as part of the activities of Cochrane Global Mental Health, a recently developed Cochrane network based at the University of Verona (http://globalmentalhealth.cochrane.org/).STRENGHT
	Changing patterns in the epidemiology of eating disorders and new therapeutic approaches	This research activity will investigate epidemiological and clinical features of eating disorders as well as any more recent shifts in these characteristics. It will also evaluate the effectiveness of interventions targeted on impaired neuropsychological functions or comorbid psychopathological conditions that are typically related to eating disorders. Research on this topic will be included in the activities of the University Hospital of Verona's Regional Center of Eating Disorders.
Marcella Bellani marcella.bellani@univr.it	Transcranial Magnetic Stimulation in Resistant Depression: Clinical and Immunological Profile and Prediction of Treatment Response by Artificial Intelligence	This three-year project will allow to study the effect of Transcranial Magnetic Stimulation in treatment resistant depression focusing on the clinical and biological outcome. Moreover AI prediction models will be tested and applied. Stimolazione Magnetica Transcranica nella depressione resistente: profilo clinico ed immunologico e predizione della risposta al trattamento tramite Intelligenza artificiale. Questo progetto triennale consentirà di studiare l'effetto della stimolazione magnetica transcranica nella TRD concentrandosi sui risultati clinici e biologici. Inoltre, verranno testati e applicati modelli di previsione dell'intelligenza artificiale.
	Digital Interventions for Social Isolation in Youths and their Families: online psychotherapy and cognitive remediation	This three-year project will allow to study the effect of cognitive remediation strategies and psychotherapy on main neuropsychological domains in young adults. Interventi digitali per l'isolamento sociale nei giovani e nelle loro famiglie: psicoterapia online e riabilitazione cognitiva. Questo progetto triennale consentirà di studiare l'effetto delle strategie di rimedio cognitivo e della psicoterapia sui principali domini neuropsicologici nei giovani adulti

Mario Rosario Buffelli mario.buffelli@univr.it	Glia-neuron interactions in the cerebral cortex in physiological conditions and animal models of brain cancer (glioblastoma)	Transgenic animals expressing fluorescent proteins in microglia, neurons, and cancer cells will be used in combination with new drugs to identify novel cross-talk mechanisms among glia, neurons, and cancer cells. Techniques used: *in vivo* imaging, immunohistochemistry, electrophysiology, and behavior
	In vivo evaluation of the protective action of preconditioned mesenchymal stem cells extracellular vesicles (MSC- EVs) in an animal model of Alzheimer's disease (3xTg-AD)	The project aims to develop new therapeutic approaches by analyzing amyloid β formation, microtubule-associated protein tau phosphorylation and aggregation, neuroinflammation, and glial cell activation after treatment with several types of preconditioned extracellular vesicles. Techniques used: immunohistochemistry, in vivo electrophysiology, imaging, and behavior.
Valeria Donisi valeria.donisi@univr.it	Couples' experiences when one partner has Multiple Sclerosis: exploring and fostering personal and interpersonal wellbeing	This line of research will be focused on exploring experiences, needs and dyadic coping of couples when one partner has Multiple Sclerosis and, on the implementation, and evaluation of a dyadic mind-body intervention, fostering personal and interpersonal adaptation to illness and wellbeing of both patients with MS and their partners.
	Problematic Social Media Use and Nature Engagement in Youth: Implications for Psychological Well-being	This line of research will be focused on exploring how problematic social media use and engagement with natural environments (e.g. exposure to urban green spaces, nature connectedness) interact to influence adolescent and young adults psychological wellbeing, using a mixed-method approach (including surveys, ecological momentary assessment, and qualitative approaches).
Alberto Gajofatto alberto.gajofatto@univr.it	Epidemiology of CNS demyelinating disorders	Incidence, prevalence, survival and diagnostic criteria performance of multiple sclerosis, NMOSD and MOGAD.

	Outcome predictors of multiple sclerosis	Analysis of biomarkers associated with the clinical course and therapy response of multiple sclerosis patients.
	Neuromyelitis optica spectrum disorders (NMOSD) and MOG antibodies related diseases	Clinical and MRI features of patients with NMOSD and MOG antibodies related diseases.
Michela Nosé michela.nose@univr.it	Clinical and epidemiological characteristics of mental health conditions in migrant populations, including asylum seekers and refugees	This research activity will characterise the epidemiology of psychological distress in migrants, including asylum seekers and refugees. The efficacy of preventive and treatment psychosocial interventions will be assessed using a variety of clinical study designs. This research activity will be conducted in collaboration with international partners and organizations, and as part of the activities of the *WHO Collaborating Centre for Research and Training in Mental Health and Service Evaluation*, based at the University of Verona (https://apps.who.int/whocc/Detail.aspx?UNEU//OtC2nR1wT4PsSmxg==)
	Psychosocial interventions for the promotion of mental health and well-being in university students	This research initiative explores psychosocial interventions to promote mental health and enhance university students' well-being. The research activity will investigate various factors affecting the mental health of this demographic and evaluate the efficacy of interventions that foster resilience and coping mechanisms. Through collaboration with academic institutions, mental health professionals, and relevant stakeholders, this research seeks to assess the effectiveness of diverse psychosocial interventions. These interventions may include self-help interventions, counselling services, peer support programs, mindfulness practices, stress management workshops, and other targeted approaches tailored to the unique needs of university students
Giovanni Ostuzzi giovanni.ostuzzi@univr.it	Clinical Psychopharmacology	This research activity aims to improve the current understanding of the efficacy and tolerability of psychotropic medicines. State-of-the-art clinical research designs, including pragmatic clinical trials, epidemiological surveys, observational studies, and meta-analytical studies, will be employed to design a three-year research program to shed light on controversial issues related to the rational use

		of psychotropic medicines. Advanced analytical approaches will be applied to data analysis. Research on this topic will employ a public health approach. It will be integrated into the activities of the WHO Collaborating Centre for Research and Training in Mental Health and Service Evaluation of the University of Verona (https://apps.who.int/whocc/Detail.aspx?UNEU//OtC2nR1wT4PsSmxg==)
	Strategies for deprescribing in Psychiatry	The research project aims to characterize innovative strategies for simplifying, reducing, and discontinuing psychopharmacological treatments, both through the collection of original data from clinical cohorts and through a systematic review of the scientific literature.
Cinzia Perlini cinzia.perlini@univr.it	Psychological variables associated with chronic pain	The project aims at the psychological characterization of populations of patients with chronic pain, with the intent of identifying the psycho-social variables that impact the perception and management of pain
Marianna Purgato marianna.purgato@univr.it	Psychological interventions in emergency and humanitarian settings	This line of research provides fellows with didactic and applied research training in quantitative and mixed-methods approaches for developing and implementing treatment and prevention studies in emergency contexts. Activities will be focused on a full range of methods to implement rigorous monitoring and evaluation, effectiveness research, and understanding the process of scaling up successful psychological interventions. Research on this topic will be integrated into the activities of the WHO Collaborating Centre for Research and Training in Mental Health and Service Evaluation of the University of Verona (https://apps.who.int/whocc/Detail.aspx?UNEU//OtC2nR1wT4PsSmxg==).
	Methodology of psychotherapy research	This PhD training includes intensive formal instruction in the methodology of research and implementation science applied to psychotherapy, to advance understanding of the effect of psychotherapy and its mechanisms of action. Attention will be paid to the goals and problems in psychotherapy research and the application of gold standards for outcome and process evaluation. Research on this topic will be integrated into the activities of Cochrane Global Mental Health, an international scientific network based at the University of Verona (http://globalmentalhealth.cochrane.org/).
	Advancing psychosocial interventions for children exposed to trauma: From efficacy to implementation	While significant research efforts have focused on demonstrating efficacy of psychosocial interventions, the scientific challenge lies in bridging research with real-world implementation. This requires adapting interventions to diverse, resource-limited settings, ensuring both sustainability and accessibility, while maintaining a rigorous and innovative methodological approach. Activities will be focused on developing and testing an implementation framework for psychosocial interventions across humanitarian settings.

Michela Rimondini michela.rimondini@univr.it	Strenght	The purpose of the study is to explore emotional distress in the PHD students and develop an intervention aimed at fostering their psychological well-being and promoting ethical collaboration.
	ESPRIMO “Demons on the Boat”	The aim of the study is to adapt the ESPRIMO intervention, "Demons on the Boat" (designed to support people living with chronic illness in their psychological journey through an open-sea navigation experience), in order to develop an augmented reality version using immersive simulation technologies.
Massimiliano Calabrese massimiliano.calabrese@univr.it	A multiomic approach to demyelinating central nervous system disorders	The student will be actively involved in proteomic and transcriptomic analysis through snRNAsequencing on samples from patients with multiple sclerosis and other demyelinating disorders. Data will be further analyzed according to clinical and radiological variables, and a mechanicistic approach will be integrated thus to provide a comprehensive approach to the pathology of demyelinating disorders.
Silvia Savazzi silvia.savazzi@univr.it http://panda.dsnm.univr.it/	Neural correlates and temporal dynamics of perceptual awareness	This project investigates the neural correlates of perceptual awareness with behavioral manipulations, EEG signal and optical imaging recording. In different experiments, we will manipulate the way healthy participants and hemianopic patients have to respond to the presence/absence of a percept, both real or induced by TMS, and we will analyze EEG and optical signals (EROS).
	Brain connectivity and plasticity of visual networks in posterior brain tumor patients	This project will study patients with tumors located in visually responsive areas to explore the spatio-temporal dynamics of the brain networks subserving unconscious and conscious vision and their possible patterns of functional reorganization with the goal of understanding the structural, functional, connectional and spatio-temporal properties of different components of the visual system.