María Carmona-Iragui is a behavioral neurologist and dementia expert. She divides her research and clinical activities between the Memory Unit of the Hospital de la Santa Creu i Sant Pau and the Down Medical Center of the Catalan Foundation for Down Syndrome in Barcelona. Her clinical and research activities focus on the treatment and study of neurodegenerative diseases, particularly preclinical Alzheimer’s disease, both in the general population and in people with Down syndrome. Carmona-Iragui specializes in the study of biomarkers, using cerebrospinal fluid, PET, and MRI to characterize human neurodegenerative diseases.

Carmona-Iragui will use the GBHI fellowship to expand her research into the epidemiology of dementia in the general population and in people with intellectual disabilities. Combining her background in biomarker research with an epidemiological perspective will provide her with essential insights into the biological and sociological contributors to Alzheimer’s disease. Working with a team of experts in clinical and translational research at GBHI, Carmona-Iragui will gain perspective on the global impact of dementia and help design better diagnostics and treatments tailored to patients’ needs.

Carrying out research is essential to advancing clinical practice. By better understanding the mechanisms that underlie dementia and related disorders, we can better serve patients and their families.
Bio: María Carmona-Iragui completed her medical studies at the Universidad de Navarra in 2006 and conducted her residency in neurology at Clínica Universidad de Navarra between 2007 and 2011. She continued her training in behavioral neurology with a fellowship in the Memory Unit at the Hospital de la Santa Creu i Sant Pau and the Down Medical Center of the Catalan Foundation for Down Syndrome between 2011 and 2016. During this time, she obtained her PhD in neuroscience from the Hospital de la Santa Creu i Sant Pau and a master’s degree in Research Methodology for Health Sciences from the Universitat Autònoma of Barcelona.