

Gina Rippon

Professor of Cognitive Neuroimaging at Aston University

Birmingham, , GB

Professor Rippon has been at the forefront of the study of the brain and gender for many years.

Biography

Professor Rippon is a British neurobiologist and feminist. She is a professor emeritus of cognitive neuroimaging at the Aston Brain Centre, Aston University, Birmingham. Rippon has also sat on the editorial board of the International Journal of Psychophysiology. In 2019, Rippon published her book, *Gendered Brain: The New Neuroscience that Shatters the Myth of the Female Brain*, which investigates the role of life experiences and biology in brain development. Her research involves the application of brain imaging techniques, particularly electroencephalography, (EEG) and magnetoencephalography (MEG) using cognitive neuroscience paradigms to studies of normal and abnormal cognitive processes. She is especially interested in the functional significance of variations in the frequency characteristics of cortical signals and in mapping functional connectivity between cortical areas. This work has most recently been applied to the study of Autistic Spectrum Disorders and to developmental dyslexia. Additionally, since her arrival at Aston, she has been working with the MEG research team to explore ways of harnessing the temporal resolution of this technique to the spatial resolution possible with functional Magnetic Resonance Imaging (fMRI). This allows us to explore classic cognitive neuroscience problems in, for example, linguistic processing, learning and memory and affect-cognition interactions and to track the spatiotemporal dynamics of the underlying neuronal networks.

Areas of Expertise

Cognitive Neuroimaging, Electroencephalography, Magnetoencephalography, Psychophysiology, Neuroscience, Cortical Signals

Affiliations

European Union Gender Equality Network, WISE , ScienceGrrl

Education

University of London
PhD Psychophysiology

University of London
BA Psychology

Accomplishments

Honorary Fellow of the British Science Association
2015

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