

Special Issue

Clinical Translation in Disorders of Consciousness: New Pathways and Challenges

Message from the Guest Editors

Advancing the translation of neuroscience into everyday care for patients with disorders of consciousness (DoC) remains one of the field's most pressing challenges. Recent work has underscored the importance of moving beyond single-technique investigations toward integrative, patient-centered approaches that connect mechanistic research, clinical guidelines, and implementation science. This Special Issue welcomes contributions that employ multimodal methodologies (e.g., neuroimaging, electrophysiology, neuromodulation, and digital health), leverage interdisciplinary collaborations across neuroscience, rehabilitation, psychology, and bioengineering, and adopt patient-centered frameworks such as individualized rehabilitation pathways and family-engaged care models. By featuring studies that bridge experimental and clinical domains, we aim to stimulate dialogue on how diverse methods and perspectives can collectively advance diagnosis, prognosis, and treatment in DoC. We hope this issue will serve as both a reflection of current challenges and a catalyst for future translational research in this field.

Guest Editors

Dr. Caroline Schnakers

Research Institute, Casa Colina Hospital and Centers for Healthcare, Pomona, CA 91767, USA

Dr. Katherine O'Brien

1. TIRR Memorial Hermann, Houston, TX 77030, USA
2. Department of Physical Medicine & Rehabilitation, McGovern Medical School, The University of Texas Health Science Center at Houston, Houston, TX 77030, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
brainsci@mdpi.com

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Editor-in-Chief

Prof. Dr. Stephen D. Meriney

Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA
15260, USA

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