

WFNR SPECIAL INTEREST GROUP ANNUAL REPORT

Name of Special Interest Group	NEUROPHILOSOPHY
Chair Email	HEINRICH BINDER heinrich.dr.binder@outlook.com
Co-Chair(s) where applicable	GIORGIO SANDRINI giorgio.sandrini@unipv.it
Number of Members	ADVISORY BOARD <i>Patricia Churchland (US), Stephanie Clarke (CH), Paolo Fusar-Poli (I,UK), Markus Gabriel (G), Volker Hömberg (G), Georg Northoff (Canada), Giuseppe Riva(I), Giacomo Rizzolatti (I), Gerhard Roth (G), Mark Solms (South Africa), Tomaso Vecchi (I), Sabahat Asim Wasti (Dubai).</i>
Key objectives and action plan	OBJECTIVES/ACTION PLAN 1. To encourage cooperation between neuroscientists and philosophers concerning, in particular, the field of neural correlates of consciousness, free will/making decision mechanisms, emotion/empathy/mirror neurons , ethics/behavior, semiology. 2. To strengthen the development of bi-directional linkage between philosophical theories and neuroscientific hypothesis concerning in particular the epistemological/ontological approach in the different fields of neurophilosophy. 3. To promote meetings, teaching activities and research about the impact of neuroscientific evidence concerning plasticity, brain lesions and degeneration, recovery mechanisms on philosophical theories and vice versa, in particular in the field embodied cognition and neuroethics.
Activities during previous 12 months	The SIG as such or represented by its members appeared in various <i>national and international congresses</i> in 2022. These include:

	<p>WCNR2022(Vienna,A)<i>Neurophilosophy session</i></p> <ul style="list-style-type: none"> -Essence of Neurorehabilitation,H.Binder(A) -Neuropsychotherapy ,M.Solms(SA) -Spirituality in Neurorehabilitation ,G.Sandrini(IT) <p>12th EFNR TEACHING COURSE(Efforie,Romania,)</p> <ul style="list-style-type: none"> -Essence of Neurorehabilitation:a philosophical interpretation,H.Binder(A) -Is it prime time for spiritual therapy to improve outcomes in neurorehabilitation(M.Owolaby(Nigeria) <p>SIPF NATIONAL CONGRESS(Udine,IT)</p> <p><i>Human-machine interaction: a Neurophilosophical perspective</i></p> <ul style="list-style-type: none"> - Embodiment in the metaverse C.Repetto (Milano,IT) - Serious games, Art and movement in cognitive reserve ,M. De Tommaso (Bari,IT) <p>Telerehabilitation and neurodegenerative diseases: what possible perspectives? S.Bottiroli (Benevento,IT)</p> <ul style="list-style-type: none"> -Bending hand motion with tactile illusions: modelling and applications for advanced human- machine interaction ,M. Bianchi (Pisa,IT) <p>SIRN(Naple,IT)</p> <ul style="list-style-type: none"> -Neurology ,art and psychoanalysis:a dialogue from three voices,D.Centonze(Rome ,IT) <p>During the 2022 a junior group operating inside the Neurophilosophy SIG was created.The group will be coordinated by K.Cheng , O.Chen,E.Fisher,F.Zilio.</p>
Proposed activities	<p>Based on the suggestions of the Advisory Board were proposed the following activities to be developed during the 2023 :</p> <ul style="list-style-type: none"> - WFNR webinars(we are collecting proposals from the Board) - Congress sessions, seminars, round tables between philosophers and neuroscientists(TBD) -Research Topic in Frontiers in Neurology, Neurorehabilitation -Papers concerning Neurophilosophy topic will be published after peer-review without any fee on the Scopus indexed and open-access journal <i>Confinia Cephalalgica et Neurologica</i>
Publications	<ul style="list-style-type: none"> -Neurophilosophy and clinical neurosciences,history and future perspectives,G.Sandrini,H.Binder(two papers in Italian language published on <i>La Neurologia Italiana</i>,2022) -other papers concerning the SIG topic were published by several authors