

ERC Advanced Grant 2017

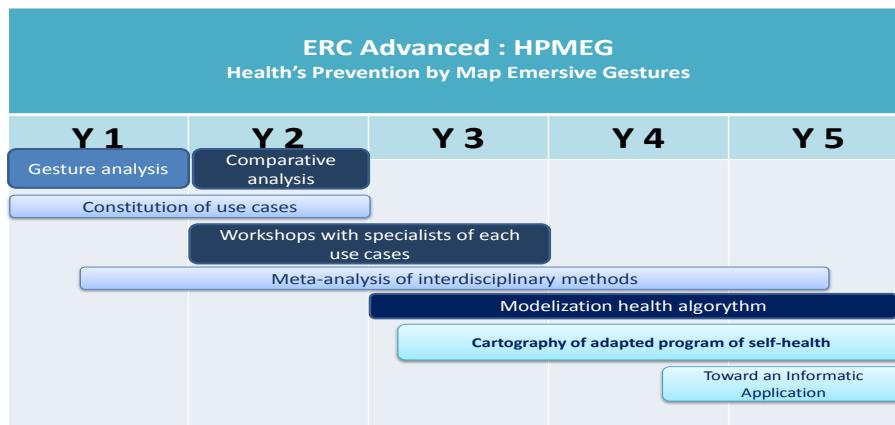
Research proposal

2018-2023

Pr. Bernard Andrieu (EA 3625 TEC, Staps, UPD)

Health's Prevention by Mapping Emersive Gestures

HPMEG



Emersiology is a new method for analyze the emergence of invisible living data of body's health in awareness of person. Theses implicit activities of living body (Cardiac Frequency, unvoluntary gestures, stress, reflex, emotional regulation, interaction expression) emerges in the conscious lived body without the control of volunty. This body language, with his gesture, is inconscious and proves the activation and ecologisation by living data.

Knowing how to read the subtle signs of body movements, body orientation to collect the details of the body, the perception of movement is in the motor areas of the brain as a response of the motor cortex: research on neurotracking and neuro-cognitive activation in motor expertise situations demonstrate advance the perception of the activity of the living body; the automatic processing of information collected below the threshold of consciousness.

The living body is active before the consciousness of the lived body. This pre-motor activation is revealed today by the neuro-trackers which indicates the degree of subliminal perception, ecological and neurocognitive information: gestures, postures, involuntary movements, reflex action, environmental awareness, movement dynamics in the field. This assessment and awareness of his body ecology are made by an awakening of capability resources through the simulated activation in virtual exercises.

The Hypothesis of this proposal is that the body living activity produces involuntary gestures uncontrolled by the subject it would be the prove of body ecology. The emersion of theses involuntary gestures have a sense for the postural equilibrium and for the emotionnal regulation during the motor action. The identification and the knowledge of his emersive gesture will lead the person to new degree of awareness by the regulation of body levels activity. The knowledge in-vivo help the person to make good decision about his action and regulation

The Key Objectives are:

1) To map the landscape of interaction between the living body and the lived body in the emotionnal expression. The discontinuity and the late of consciouness with his living body activity will be demonstrated with a personal cartography of gestures

2) To establishes the structural cartography of implicit body activity by a lecture of body language in prevention health in stress situation.

Knowing how to read the subtle signs of body movements, body orientation to collect the details of the body, the perception of movement is in the motor areas of the brain as a response of the motor cortex: research on neurotracking and neuro-cognitive activation in motor expertise situations demonstrate advance the perception of the activity of the living body; the automatic processing of information collected below the threshold of consciousness.

The socio-motor defines social health through sports games and team sports by analyzing the welfare relationship between partners and exchange of social roles. But also by the analysis of praxis gestures that anticipate environmental perception of the group and develops an anticipatory perception related to work on the cognitive neuro-tracking sports experts, this perceptual greening ensures well be a new communication between health of the living body and the health of the living body.

The living body is active before the consciousness of the lived body. This pre-motor activation is revealed today by the neuro-trackers which indicates the degree of subliminal

perception, ecological and neurocognitive information: gestures, postures, involuntary movements, reflex action, environmental awareness, movement dynamics in the field. This assessment and awareness of his body ecology are made by an awakening of capability resources through the simulated activation in virtual exercises.