

2nd BIONET SYMPOSIUM[★]

Biodanza and Empirical Science[★]

www.bionet-research.com

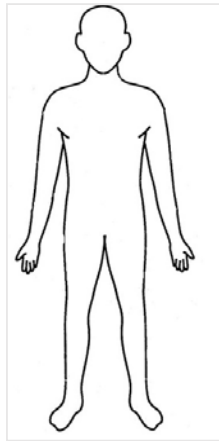
Biodanza studies and physiology

Dr. Hans-Ullrich Balzer

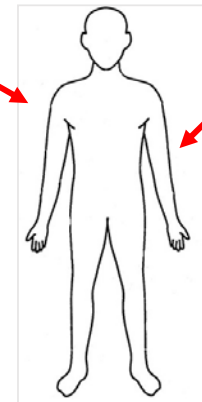
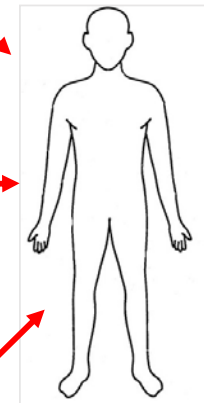
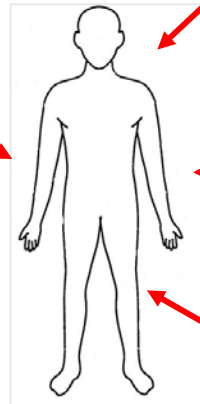
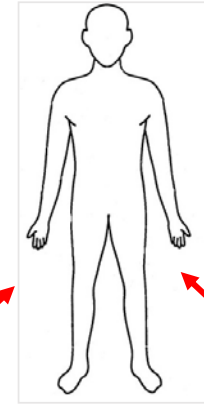


Hans-Ullrich Balzer
Chronomar GmbH
Berlin, Deutschland
www.chronomar.com

intra-individual
synchronisation



inter-individual
synchronisation



synchronisation of regulatory fuction

vegetativ- emotional regulation SR

vegetativ- nervous regulation SP

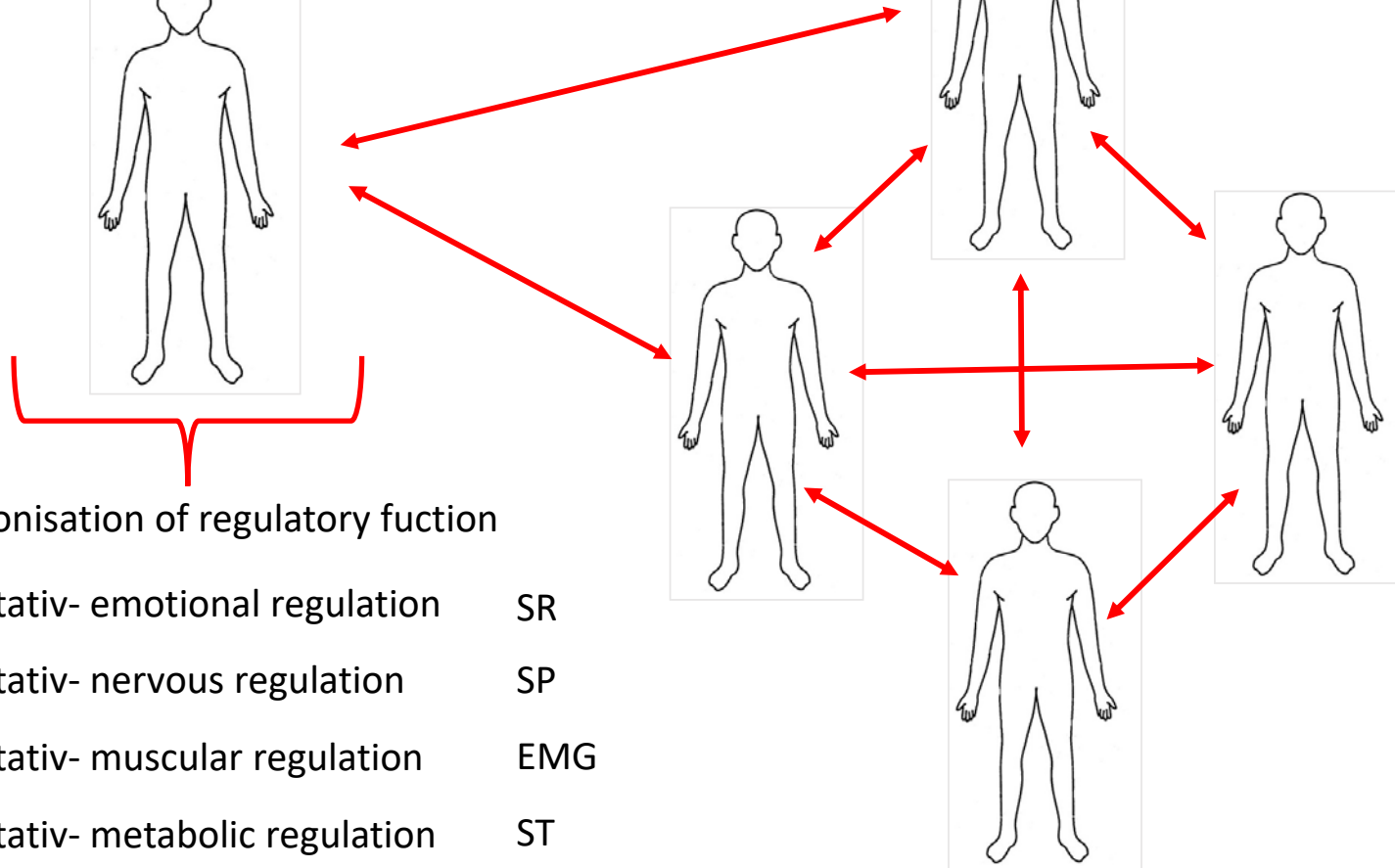
vegetativ- muscular regulation EMG

vegetativ- metabolic regulation ST

response

parameter

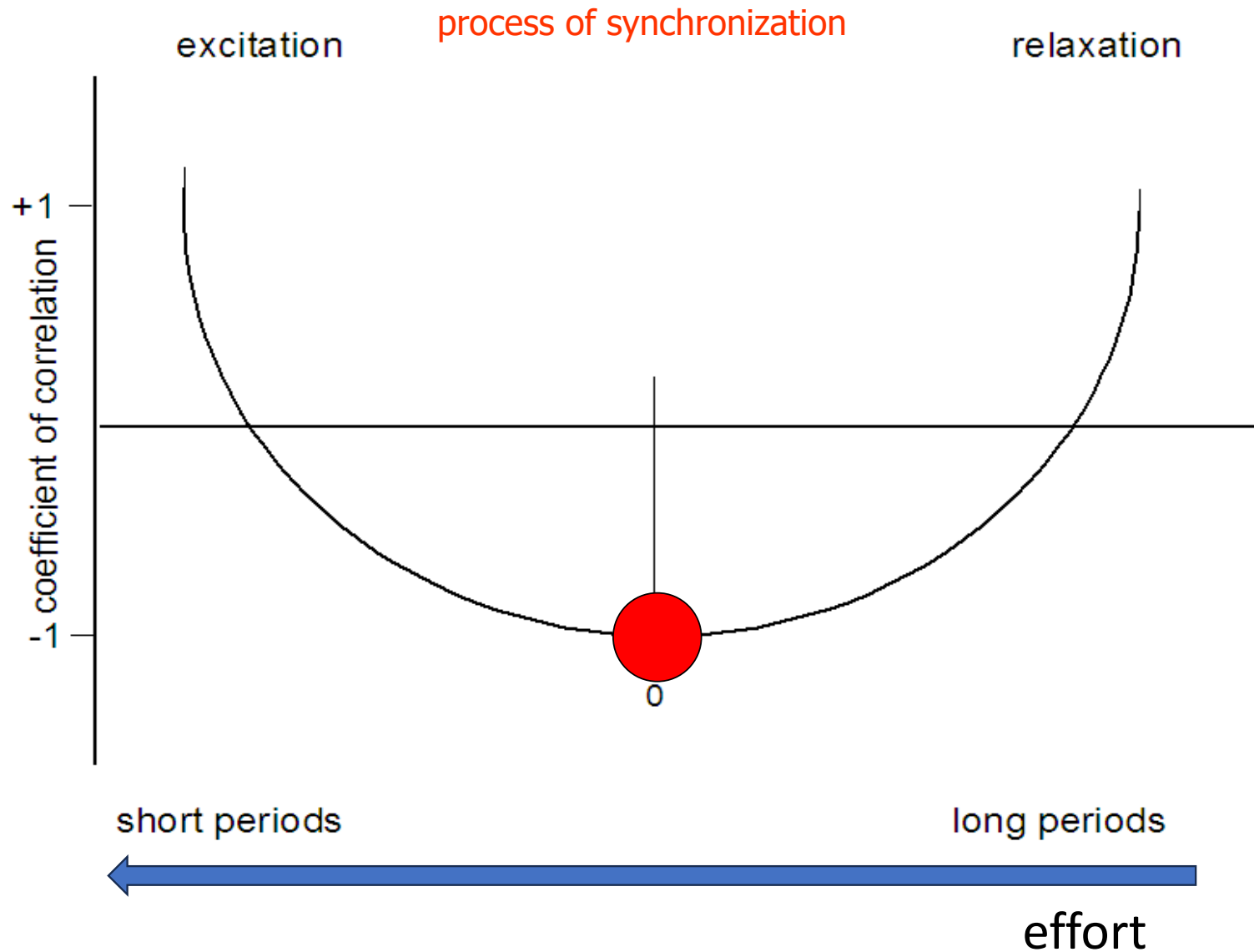
group behaviour



Determination of intra-individual synchronization

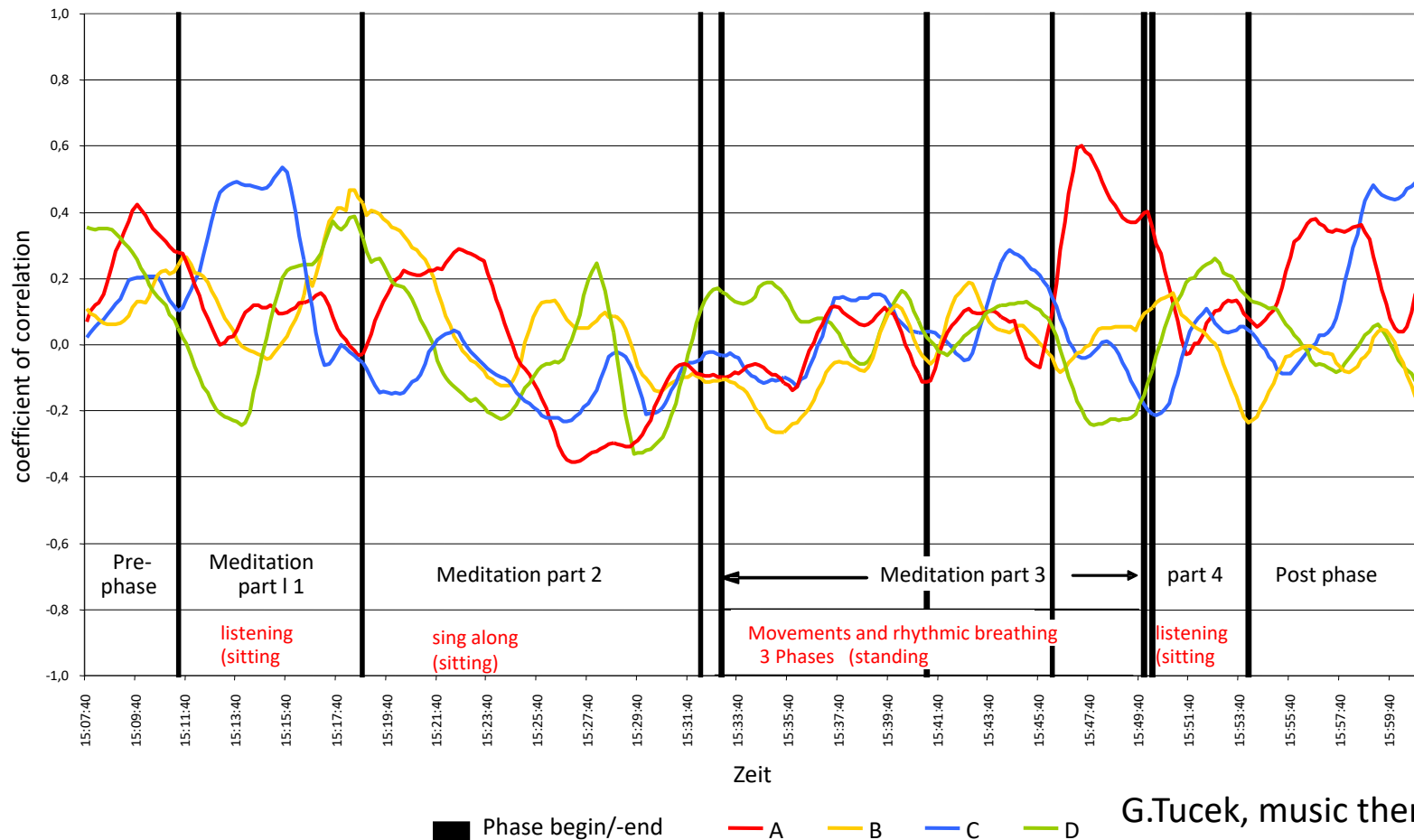
The dynamics of life processes are characterized by the vegetative synchronization

Synchronization is determined by the dynamics of the regulation of life processes



Measurement of group behaviour

Correlation (Synchronisation) of 3 physiological parameter : skin resistance – skin potential – electromyogram - before - during - after islamic meditation
Herbert von Karajan Centrum (Vienna), 25.08.2005 ; n = 4



G.Tucek, music therapist, University
Mozarteum Salzburg, Austria

System smart-watch (System for Monitoring, Analysis and zur Regulations-Diagnostic) of the Vegetativum



sampling rate: 10 Hz

record duration: 60 h



to the body

Chronomar

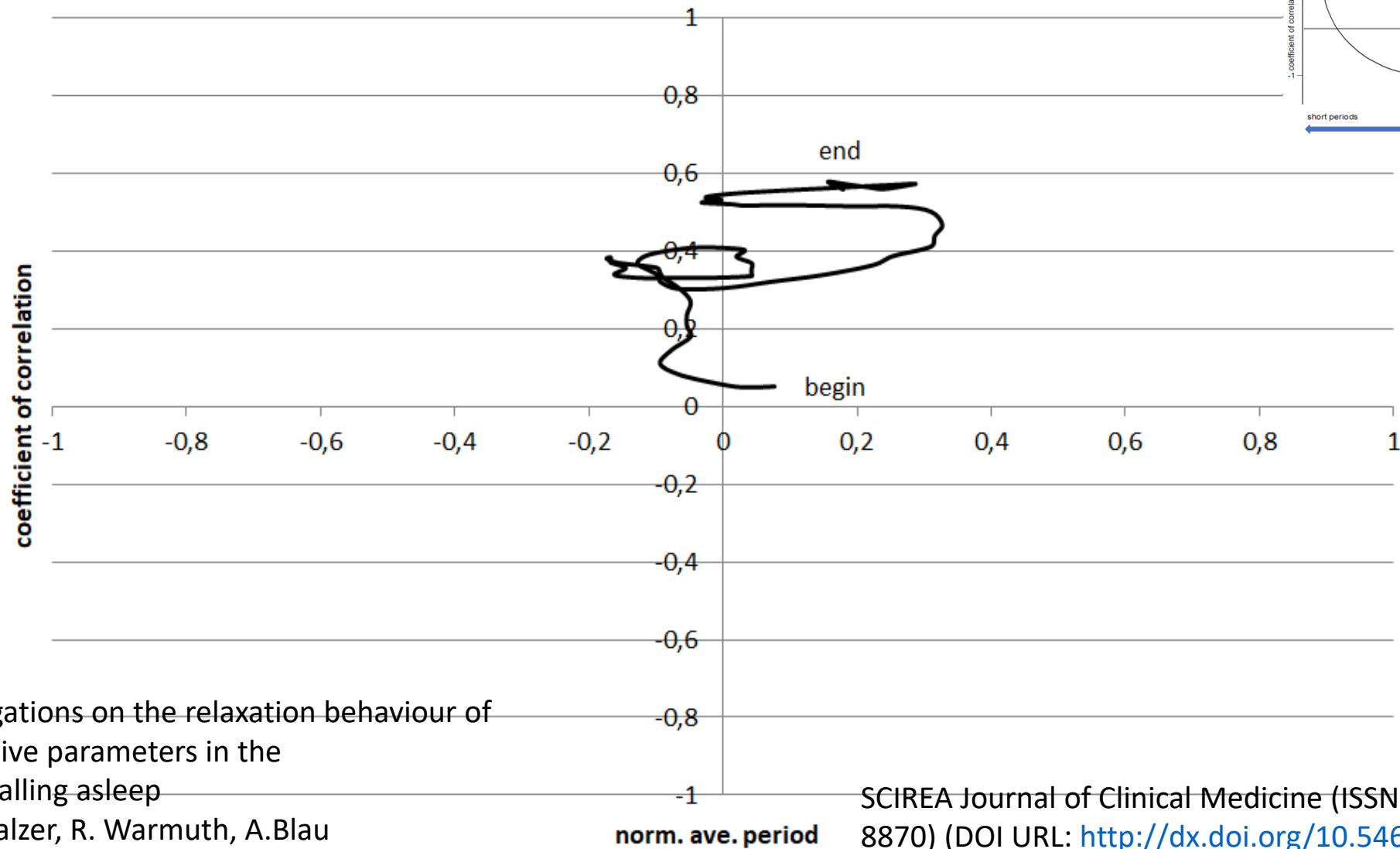
www.chronomar.com

Parameter

- EMG (muscle activity)
- skin potential (nervous reaction)
- skin resistance (emotional reaction)
- skin temperature (metabolic r.)
- 3D – acceleration (movement)
- 3D – rotation (movement)



Pendulum of the vegetativen synchronisation during power nap



Investigations on the relaxation behaviour of
vegetative parameters in the
phase falling asleep

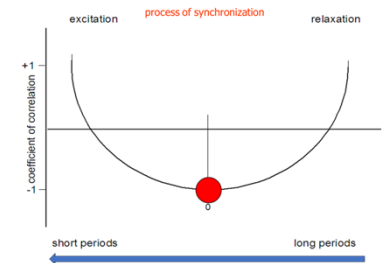
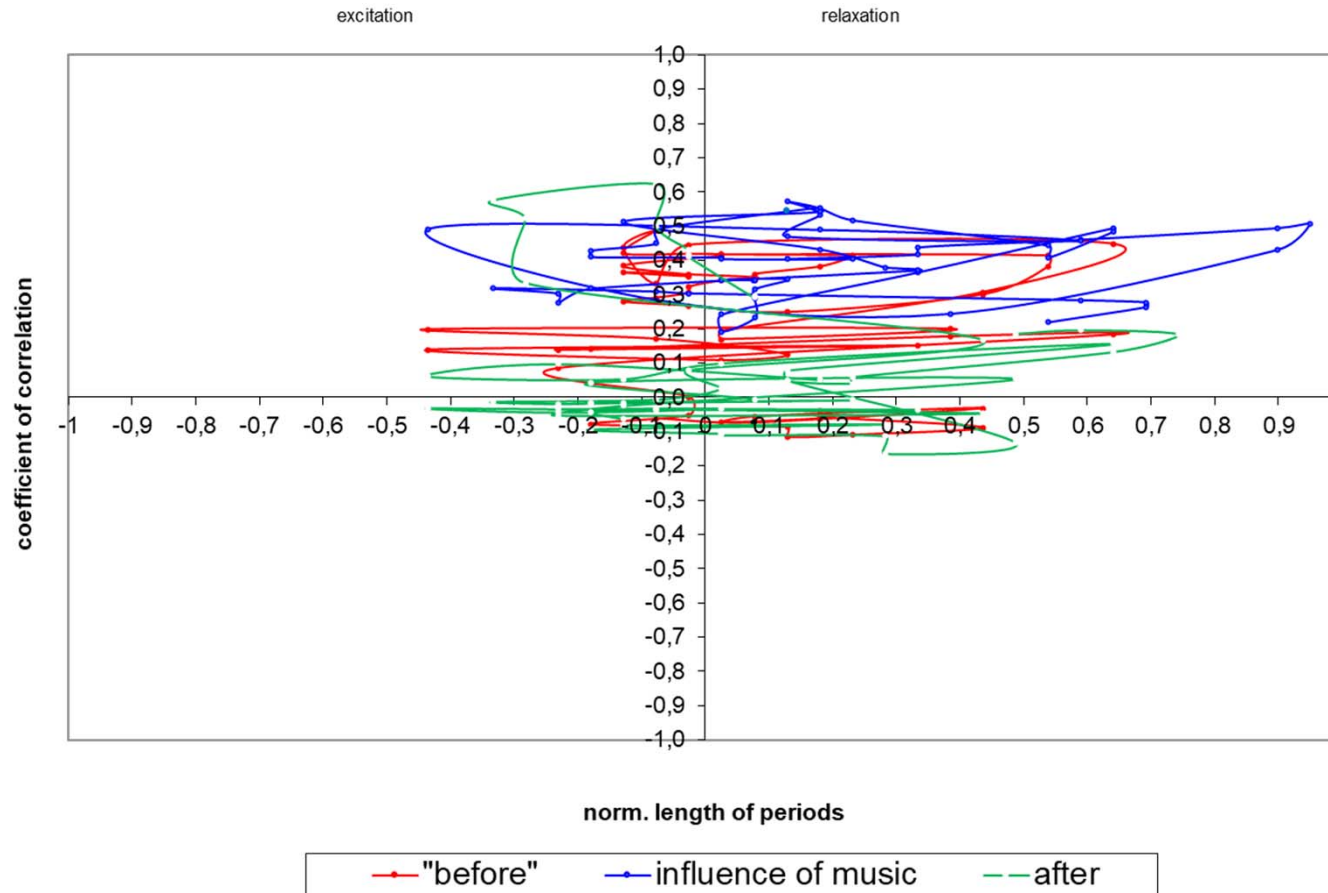
H.-U. Balzer, R. Warmuth, A. Blau

SCIREA Journal of Clinical Medicine (ISSN: 2706-
8870) (DOI URL: <http://dx.doi.org/10.54647/cm>)

Music therapy in the context of stem cell transplantation

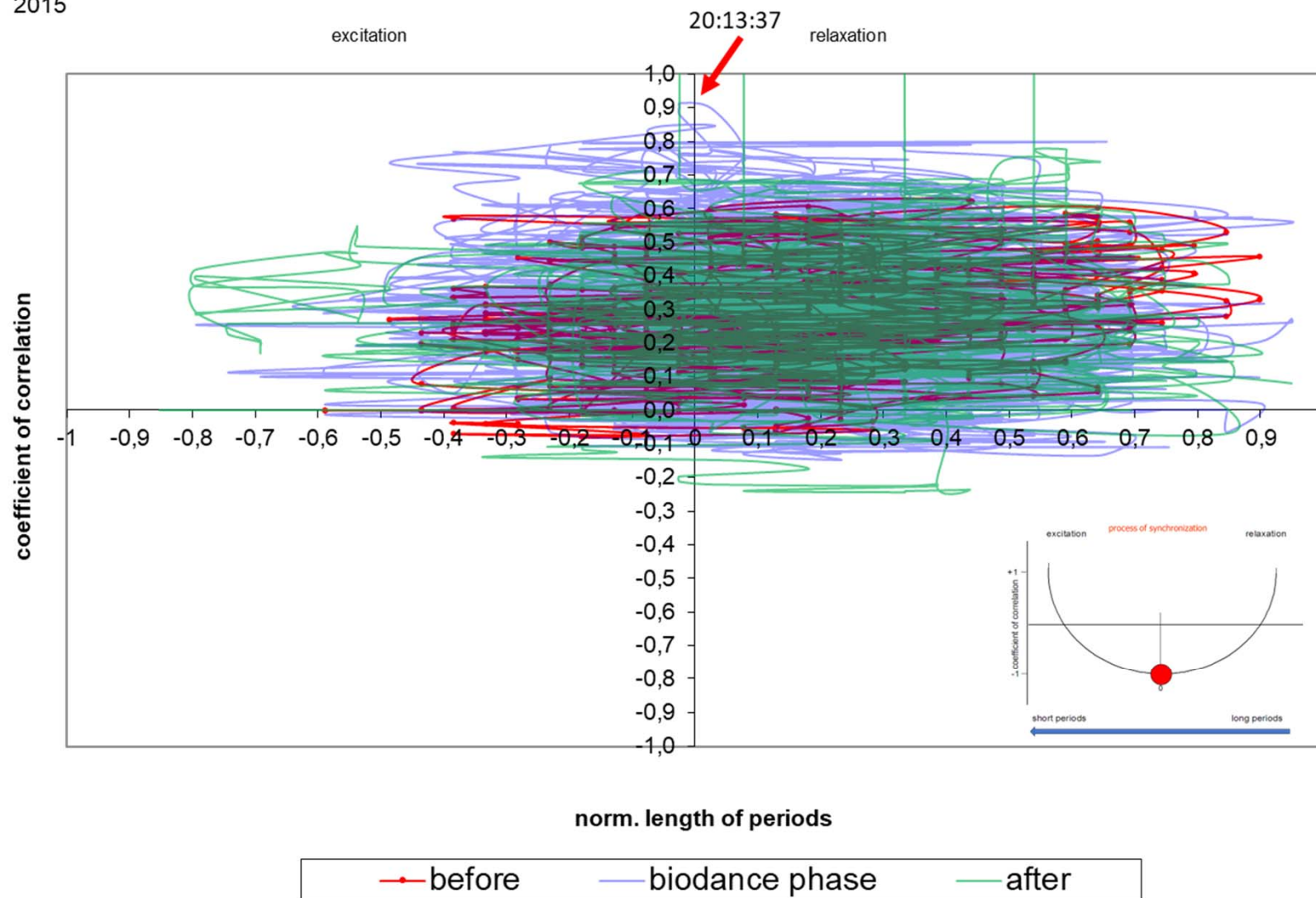
vegetative Synchronisation

Pat: XY
24.10.2007



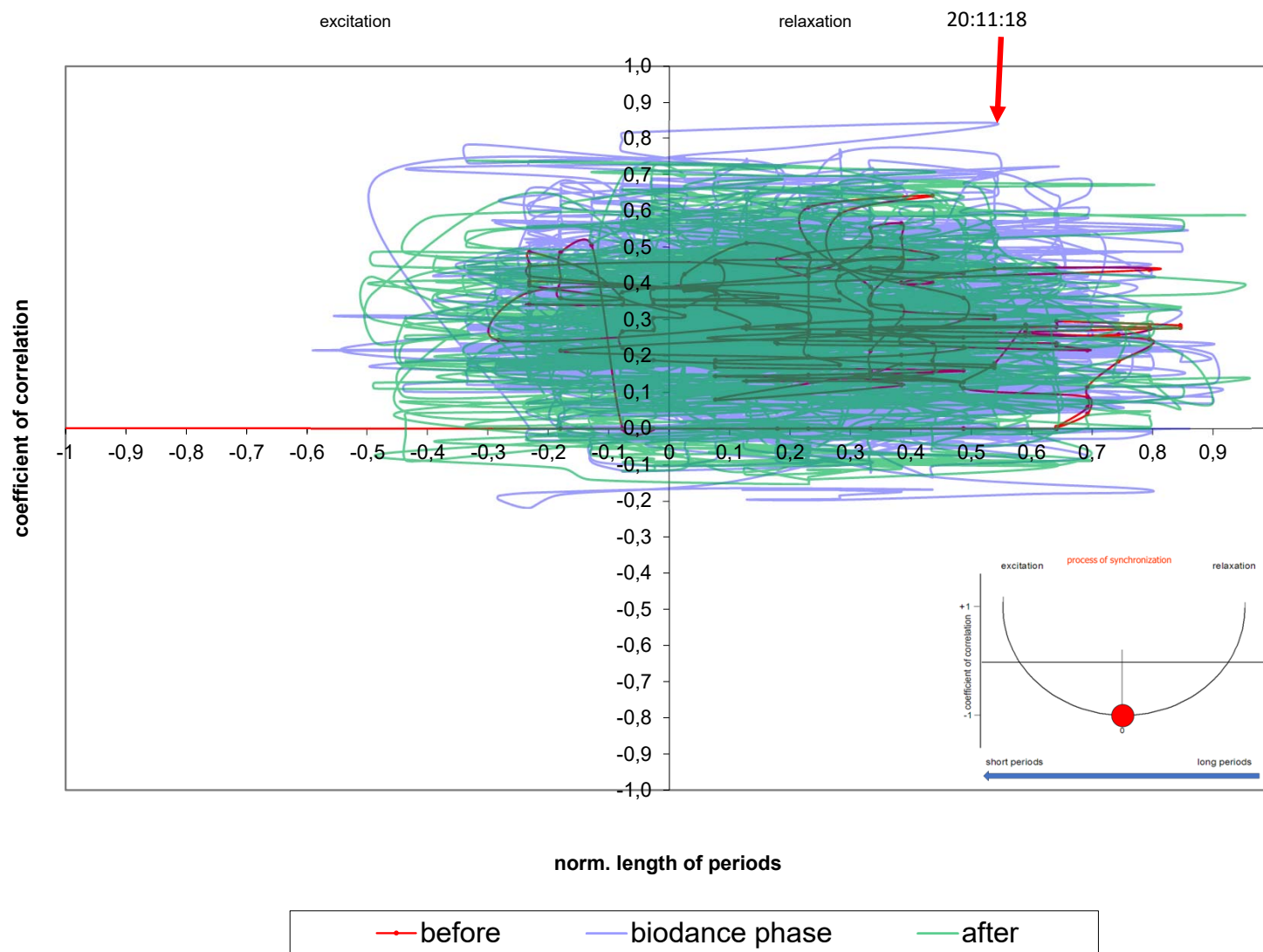
intraindividual vegetative synchronization (hamonyzation)

Vol.EB (vivencia)
2015

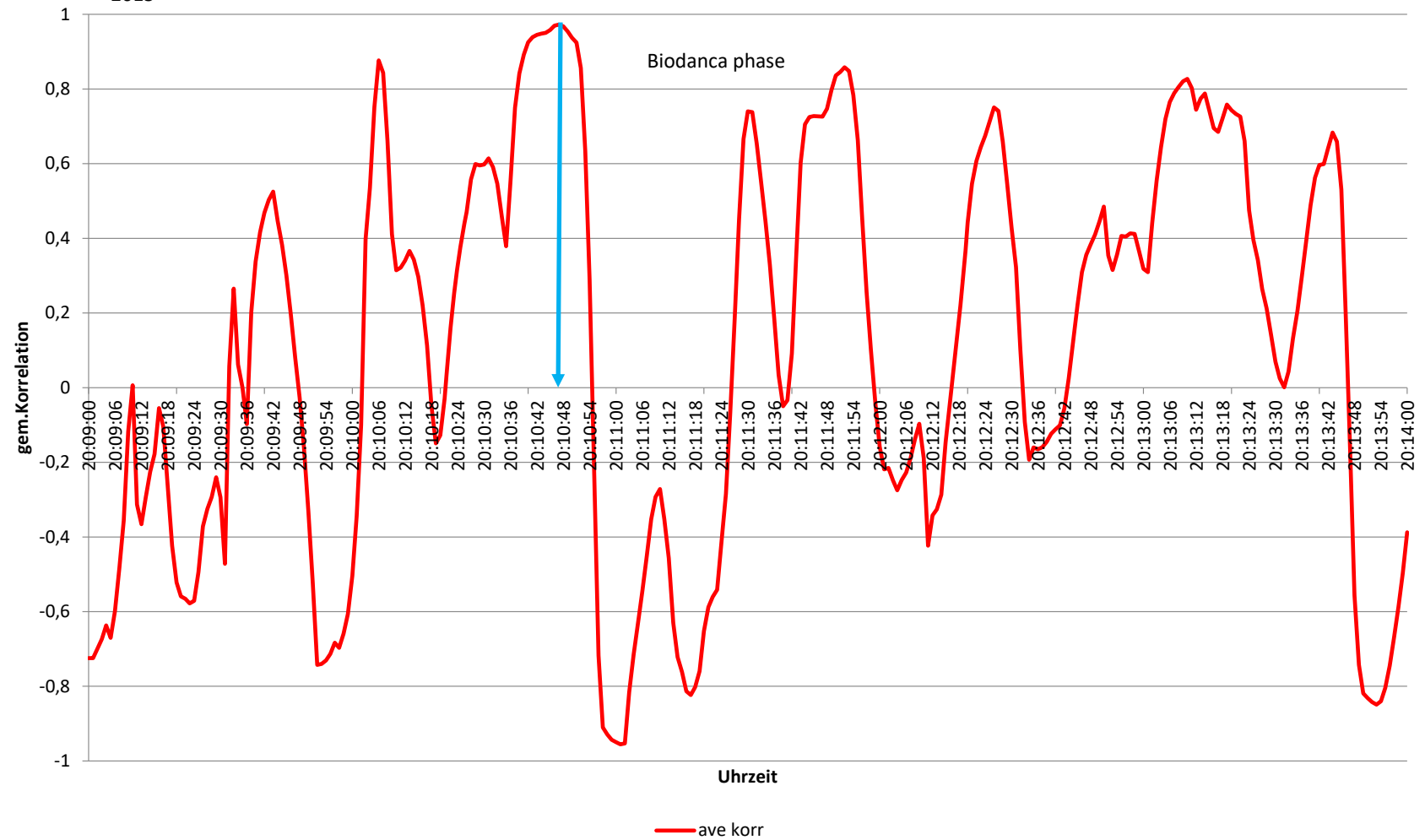


intraindividual vegetative synchronization (harmonization)

Partner AH (vivencia)
2015

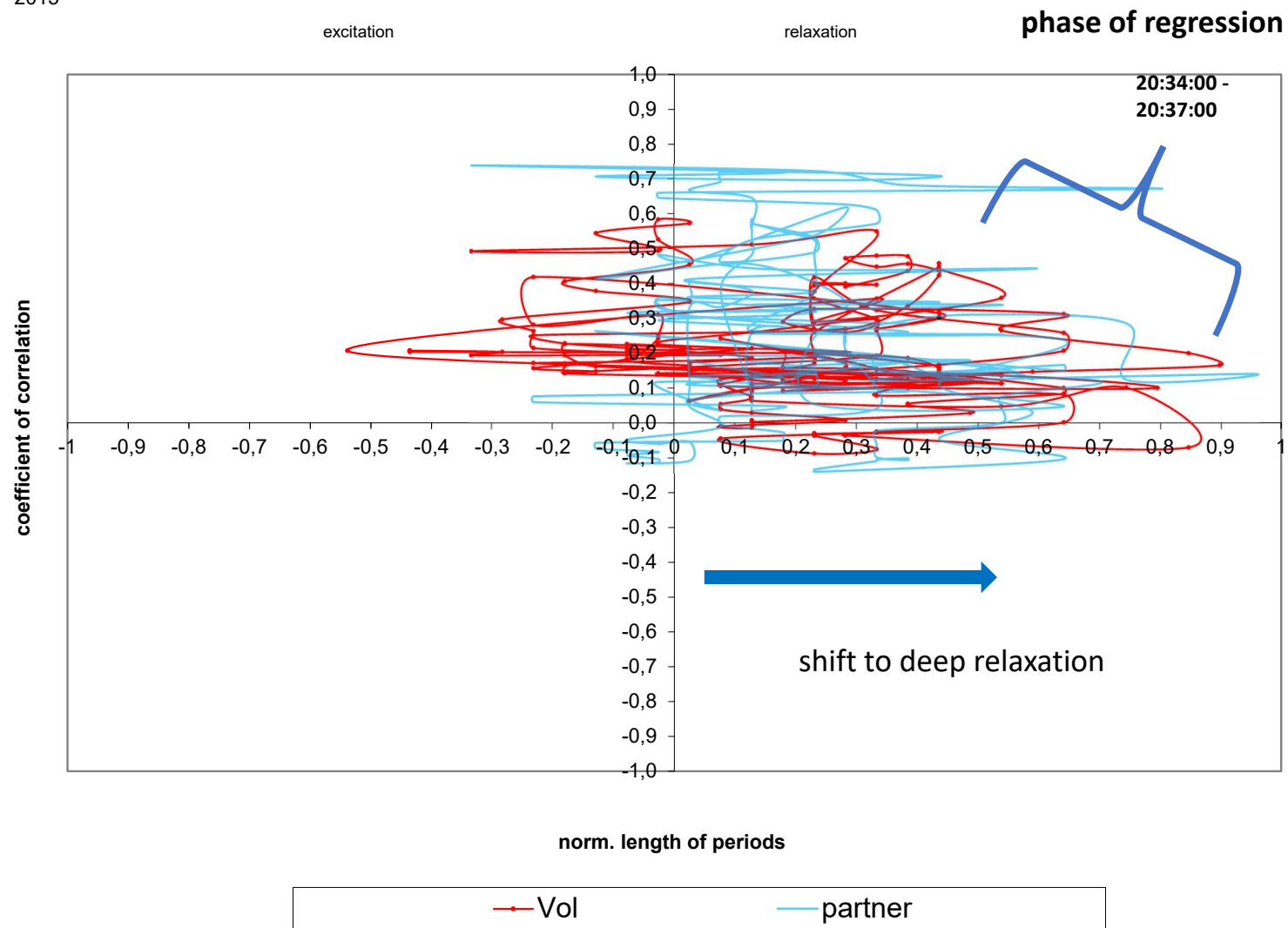


Vol_EB_AH 2015 **inter-individual vegetative synchronization (harmonisation)**

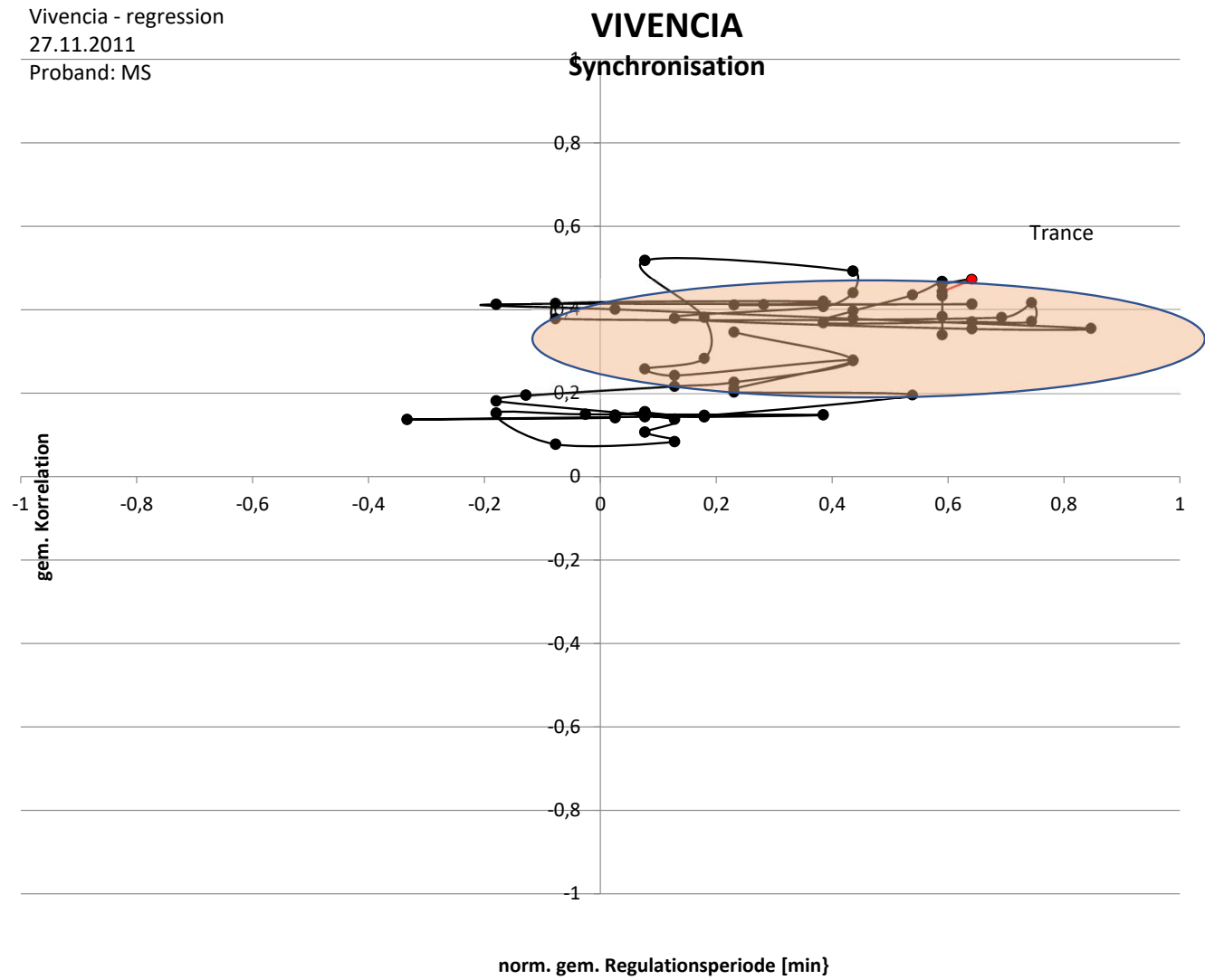


intraindividual vegetative synchronization (harmonization)

Vol / Partner EB/AH (vivencia)
2015

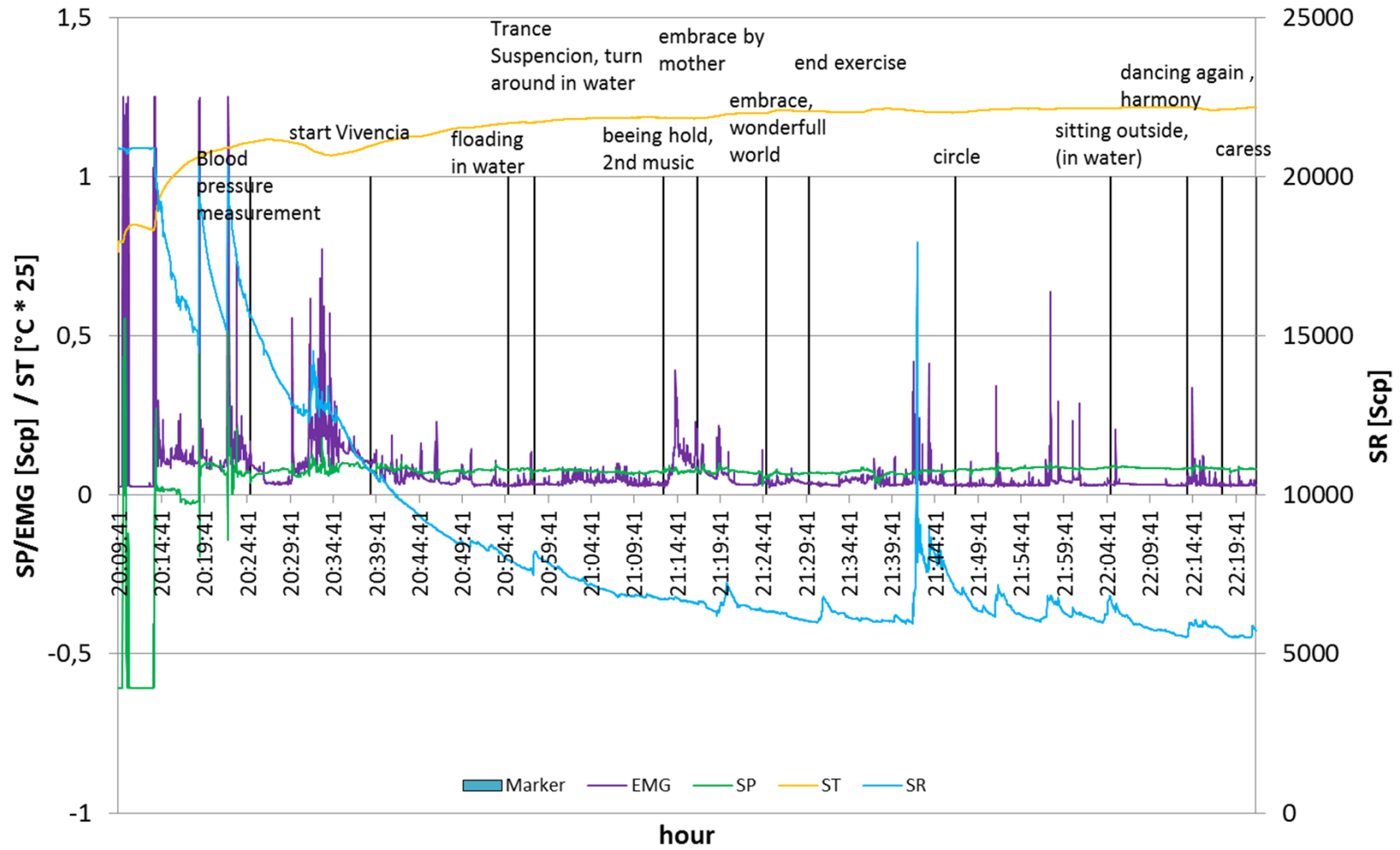


Vivencia - regression
27.11.2011
Proband: MS



vol. XY
19.03.2016

water trance



vol.:XY
19.03.2016

water trance

