

SCIENTIFIC RESEARCH ACTIVITY REPORT 2016

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To make EvanLab's "frontier" field of research become part of what is considered "normal" scientific knowledge – effectively our primary goal – it is necessary to carry out impeccable scientific studies that are publishable in peer-reviewed journals. In this we succeeded and, to prove it, I have listed below in reverse date order the gradual escalation of our publications (all available also in Italian), starting from our first tentative investigations up until the current frequent acceptance of our scientific papers by progressively more important journals. We haven't finished and will continue to do better.

CURRENT STATUS OF SCIENTIFIC PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

2016

- Tressoldi, P.E., Pederzoli, L., Matteoli, M., Prati E. and Kruth, J.G. - *Can our Minds emit light at distance? A pre-registered confirmatory experiment of mental entanglement with a photomultiplier*

In press (October 2016): **NeuroQuantology**

Available on: http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2654264

- Giroldini, W., Pederzoli, L., Bilucaglia, M., Melloni, S. and Tressoldi, P.E. - *A new method to detect Event-Related Potentials based on Pearson's correlation*
EURASIP Journal on Bioinformatics and Systems Biology. 7 June 2016, 2016:11

- Walach, H., Tressoldi, P.E., Pederzoli L. (2016) - *Mental, behavioural and physiological nonlocal correlations within the Generalized Quantum Theory framework*

Axiomathes April 2016 - doi10.1007/s10516-016-9290

Also available on: <http://ssrn.com/abstract=2695741>

2015

- Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Trabucco, A. - *Hypnotically Induced Out-of-Body Experience: How Many Bodies Are There? Unexpected Discoveries About the Subtle Body and Psychic Body*
SAGE Open October-December 2015: 1-11 - November 16, 2015

- Giroldini, W., Pederzoli, L., Bilucaglia, M., Caini, P., Ferrini, A., Melloni, S., Prati, E., Tressoldi, P.E. (2015) - *EEG correlates of social interaction at distance*
F1000Research 2015, 4:457

2014

- Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Duma, G.M. (2014) - ***Mind-Matter Interaction at a Distance of 190 km: Effects on a Random Event Generator Using a Cutoff Method***
NeuroQuantology 09/2014; 12(2):337-343
- Tressoldi, P.E., Pederzoli, L., Bilucaglia, M., Caini, P., Fedele, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Accardo, A. (2014) - ***Brain-to-Brain (mind-to-mind) interaction at distance: a confirmatory study***
F1000Research 2014, 3:182 - August 5, 2014

NON PEER-REVIEWED PUBLICATIONS

2015

Tressoldi, P.E., Pederzoli, L., Ferrini, A., Matteoli, M., Melloni, S., and Kruth, J.G - ***Can Our Minds Emit Light? Mental Entanglement at Distance with a Photomultiplier***
July 1, 2015 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2625527

Pederzoli, L. - ***A new model of reality***
June 16, 2015 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2619221

2014

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Kruth, J. G. - ***Mental Interaction at Distance on a Photomultiplier: A Pilot Study***
October 24, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2506135

Tressoldi, P.E., Pederzoli, L., Bilucaglia, M., Caini, P., Fedele, P., Ferrini, A., Melloni, S., Accardo, A. - ***Brain-to-Brain (Mind-to-Mind) Interaction at Distance: A Pilot Study***
May 24, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2423852

Tressoldi, P.E., Pederzoli, L., Caini, P., Ferrini, A., Melloni, S., Richeldi, D., Richeldi, F., Trabucco, A. - ***Out of Body Experience Induced by Hypnotic Suggestion: Phenomenology and Perceptual Characteristics***
March 17, 2014 - http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2443719

Only very recently this new article, already submitted for a peer-reviewed publication, was added to the above work:

- Pederzoli, L., Giroldini, W., Duma, G.M., Mento, G., Prati, E. and Tressoldi, P.E.- ***Out-of-Body Experience Induced by Hypnotic Induction: A Neurophenomenological Study***
Available on: http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2820689

In my analysis of the general state of EvanLab's research, I will refer to this paper and the experimental work which gave rise to it and which will shortly spawn another paper.

ANALYSIS OF RESULTS AND FUTURE PROSPECTS

The reference point for this report is the work undertaken in OUTLOOK FOR 2015-16 of the SCIENTIFIC ACTIVITY REPORT 2015. I take this opportunity therefore - by examining each task individually - to identify which of them were completed and which of them were not (*the tasks undertaken are in italics*), in order to illustrate the directions in which to proceed for our upcoming research.

MIND-COMPUTER INTERFACE

Exploration of new analytical methods and acquisition of new more sophisticated EEG headsets, using our grant from the Parapsychological Association.

We bought 4 elastic professional headsets (BIONEN) in two different sizes (to allow for the sizes of participants' heads and various experimental circumstances), equipped with 20 electrodes. Furthermore we have greatly improved mind-computer interface techniques and data analysis, thanks also to the contribution of academic specialists. It is reasonable to predict a continuation along our current path with further advances in the near future.

MIND-MATTER INTERACTION

Improvements in influence procedures and analysis techniques of resulting effects. If possible, we will also succeed in the expected attempt at the mental influence of in vitro human cells. We will also endeavour to take advantage of MindSwitch's potential by popularizing it as well as seeking partners for its commercial development, even including a version for Smartphones.

Since, due to unforeseeable circumstances, neither the influence of in vitro cells nor the MindSwitch projects could be accomplished, we began collecting data on the controlled influence across a long distance of two different random number generators, in order to enhance the study of the characteristics of this phenomenon. Data collection is still in progress and we hope to produce innovative results.

MIND-TO-MIND INTERACTION

Improvements in equipment and procedures for stimulus application in the Sender subject, aiming to reduce the number of stimuli necessary to elicit a response in the Receiver.

The equipment has already been upgraded (see: MIND-COMPUTER INTERFACE), as has the software, and we have also defined a new protocol to significantly reduce the number of necessary stimuli and extended this protocol's field of application. The new study will be undertaken this coming autumn – we expect an important outcome.

GUIDED OBE UNDER HYPNOSIS

Within the scope of the OUT-OF-BODY-EXPERIENCE INDUCED BY HYPNOTIC SUGGESTION: A NEUROPHENOMELOGICAL STUDY project, control of EEG during hypnosis of both subject undergoing the OBE and hypnotist, and dissemination of results in a scientific publication.

The work was carried out as expected and produced the aforementioned article in the process of publication and titled ***Out-of-Body Experience Induced by Hypnotic Induction: A Neurophenomenological Study***, which presents significant developments. The study has also produced supplementary data currently under analysis that are leading to, as mentioned above, the drafting of a new important paper.

WEBSITE (www.evanlab.org)

Making it fuller and more attractive in the near future.

The website's content has been completed and now contains more than one thousand pages in both Italian and English. We intend to improve its appearance and legibility very soon.

CONCLUSIONS

Despite a perpetual lack of funds, research is proceeding consistently and the production and official publication of scientific articles is steadily increasing. EvanLab has by now gained a solid reputation around the world in this field, as evidenced by the requests for collaboration we receive from prestigious researchers and laboratories.

I conclude by thanking all who have actively collaborated in our research and may EvanLab continue to produce important scientific results.