

Curriculum Vitae

Dr. Alberto ZANI

Bibliometric indicators on Jan 20, 2021

Google Scholar total h-index = 36

OCCUPATIONAL HISTORY

Oct 2019- Full Professor, School of Psychology, Vita-Salute UniSR, Milan.

1990-2019- Researcher at CNR Institutes of:

- 1) *Institute for the History of Philosophical and Scientific Thought in Modern Age.*
- 2) *Institute of Molecular Bioimaging and Physiology.*
- 3) *Institute of Neuroscience and Bioimaging.*
- 4) *Institute of Psychology.*

INTERESTS:

Cognitive Neurosciences: Neural Mechanisms of visuo-cognitive functions, Visual Selective Attention, Neural Mechanisms for processing-representation of written language in mono- and multi-lingual brain, Neural Mechanisms for processing/representation of emotions; 'Mirror neurons' and socio-relational empathy; Cognitive Neuroelectric Imaging.

EDUCATION AND POST-GRADUATE SPECIALIZATION

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| 1979 | Graduation "Summa cum laude" in Experimental Psychology, Univ "La Sapienza", Rome. |
| 1981-1983 | Fellowship of CNR for Special Project " <i>Early Diagnosis and Prevention of Neural Sensory Deficits</i> ". |
| 1982-84 | Visiting Research Fellow at Electrophysiology Lab, Univ of Leiden, The Netherlands. |
| 1982-1990 | Research Fellow at CNR Institute of Psychology (IP). |
| 1990 | Contest-Awarded Specialization in " <i>Physiological and Pharmacological Sciences</i> " from CNR. |
| 1991 | Scholarship McDonnell Foundation in <i>Cognitive Neuroscience</i> , School of Medicine, Dartmouth College, USA. |

PROFESSIONAL UPDATING:

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| 1995 | Workshop on « <i>Multimodal registration. Combining MRI, EEG, PET & MEG</i> », Rheinisch-Westfälischen Technischen Hochschule, Aachen, Germany. |
| 2017 | Workshop " <i>fNIRS. Uses and Rehabilitation Perspectives</i> ", Don Gnocchi Foundation, Milan, Italy. |

PARTICIPATION IN SPECIAL RESEARCH PROJECTS:

National

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| 1997 | MIUR COFIN Project: " <i>Neuro-anatomo-functional Study of Human Brain Activity</i> "; Res. unit of Faculty of Psychology, Univ of Trieste; " <i>Electrophysiological Indexes of Visual Cognitive Processes</i> ". |
| 2003 | MIUR COFIN Project " <i>Functional and neural Organization of Referential and Figured Language: Studies in Normal Monolingual and Multilingual as well as in Pathological Subjects</i> "; Res. Unit of Faculty of Psychology, UNIMIB: " <i>ERP Indexes of Neural Mechanisms for the Comprehension of Literal and Figured Language in Monolinguals and Polyglots</i> ". |

International

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| 1991-93 | Triennial Italian-Canadian Trilateral Project between ISEF, IP-CNR, and School of Psychology of Univ. of Ottawa:
<i>Neuropsychophysiology of Attentional Processes.</i> |
| 1994 | Project of Center for Neuroscience, UC Davis (Resp: Michael S. Gazzaniga):
<i>Brain Hemispheric Asymmetries in Visuospatial Attention as revealed by Split-Brain Patients.</i> |
| 1995 | Project of Center for Neuroscience, UC Davis (Resp: Ron G. Mangun):
<i>Neural Mechanisms of Visual Selective Attention to Spatial and Non-Spatial Features.</i> |

HEADING OF PROJECTS

National

- 1994-1996 Triennial Project of IP-CNR:
"Electrophysiological substrates of visual information processing".
- 2000-2019 Ordinary Project of IBFM-CNR:
"Electrophysiological indexes of visual selective attention mechanisms".

Bilateral Special National Projects

- 2003-2006 Triennial Project: INB-CNR /Dept of Psychology, UNIMIB:
"Neuroscientific Investigations on Mind and Brain".
- 2013-2016 Triennial Sub-Project *"Analysis of EEG Signals"* of "RIPRENDO@home" (Post-ictus Recovery: A Platform for an Oriented Neuromotor Rehabilitation at Home) Project, "Human Capital" Agreement CNR-Lombardy Region.
- 2015-2017 Triennial Sub-Project *"Contribution to the design of services for the cognitive assessment and monitoring of aged people"* of the "CARE-G: A platform of services for health care and life quality of the aged citizen" Project, "Human Capital" Agreement CNR-Lombardy Region.

Contest-Based Extra-Mural Awarded National Special Projects:

- 1993 Grant from Medical and Biological Sciences Board of CNR for Project:
Brain Mechanisms for Spatial and Non-spatial Visual Information.
- 1994 Grant from Medical and Biological Sciences Board of CNR for Project:
Electrocortical Substrates of Attentional and Motor Processing.
- 1997-1998 Grant from Medical and Biological Sciences Board of CNR for Project:
Brain Prefrontal Mechanisms in Visual Selective Attention and Short-Term Memory as investigated by Event-related Potentials of the Brain.
- 1999 Grant from the Medical and Biological Sciences Board of CNR for Project:
Neural Bases of Selective Attention for Object and Space.

International Projects

- 1996-97 Biennial Project, IP-CNR/Max-Planck Institute, Germany:
Neural Circuitry of Prefrontal Cortex involved in the Suppression of Sensory-motor Processing of Unattended Information as Indexed by ERPs and fMRI.
- 1999-2001 Triennial Italian-Canadian Project:
Neural Bases of Visual Attention to Space and Object.

Heading of Experimental Laboratories

- 1995-2000 Cognitive Electrophysiology Lab of IP-CNR, Rome.
- 2000-2019 Electro-Functional Brain Imaging unit of IBFM-CNR, Segrate-MI.

HONORSGuest Editing for Scientific Journals

- 2019-2020 Guest Editor for Special Issue *"ERP and EEG Markers of Brain Visual Attentional Processing"* of Journal *"Brain Sciences"*, MDPI, Basel, Swiss.

Counseling for Scientific Activities

- 1992-2002 Member of Scientific Board of IP-CNR for the 92-95, 96-99, 2000-02 quadriennia.
- 1996 Member of Organizational Board for the Workshop "Visuo-spatial attention in split-brain and normal control", Institute of Cognitive Neuroscience at *Max-Planck Institut*, Leipzig.
- 2009-19 Member of Scientific Consulting Board of the IBFM CNR.

Organizational Activity for Scientific Meeting

- 2002 Member of Organizational Board, 1st International Meeting on *"Mind, Learning and Knowledge in Educational Contexts"*, Naples.
- 2006 Local Organizer of International Workshop *"Advanced Neuro Technologies Applications: Combining and applications of ERPs, MEG, PET, fMRI, & TMS Methods"*, Sept 2006, IBFM-CNR, Segrate-MI.

SCIENTIFIC COUNSELING FOR SCIENTIFIC JOURNALS

- 2012 Editor in Chief of the *Internat J Brain Cogni Sci*
- 2019 Editorial Board of *"Brain Sci"*
- 2020 Editorial Board of the *"CPQ Neurol Psychol"*

REVIEWER FOR SCIENTIFIC JOURNALS:

International Journal of Psychophysiology, Journal of Cognitive Neuroscience, Cognitive Neuropsychology, Biological Psychology, Neuropsychologia, Cognitive Brain Research, International Journal of Brain and Cognitive Sciences, Frontiers in Emotion, Scientific Reports Nature, PLOS One, Brain Sciences.

SCIENTIFIC AWARDS

- 1991 Scholarship from McDonnell Foundation for Summer Institute in "Cognitive Neuroscience", Medical School, Dartmouth College, Hanover, USA.
- 1996 Scholarship of NATO for Advanced Study "The role of the Human Corpus Callosum in Sensory Motor Integration: Anatomy, Physiology and Behavior; Individual Differences and Clinical Applications", Lucca, Italy, Sept 1996.

EXAMPLES OF NATIONAL AND INTERNATIONAL PRAISING OF PROPER PUBLICATIONS

- 2008 Inclusion in the List of "Recommended" research papers by the "The F1000 Biology Evaluation System" of paper by "Proverbio, Adorni, Zani (2008). Neuropsychologia, 46 (9): 2292-2299".
- 2012 Evaluation of the abstract by "Manfredi, Adorni, Zani, Proverbio" as the best work presented by a young researcher under 35 years at "XXth Congress of Italian Society for Psychophysiology (SIPF)", Venice, Nov 2012.
- 2015 Inclusion of our paper in *Sci Rep Nature* 2015, in "Research Italy" website of MIUR. See; Touching Background Music Improves Memory.

HEADING OF EXTRA-MURAL LABORATORIES

- 1992-95 Laboratory of Cognitive Psychophysiology of ISEF.
- 2000-2006 *Electro-Functional Brain Imaging unit* (EFBlu), Center for Cognitive Neuroscience, Saint Raphael Hospital (HSR), Milan, Italy.

PARTICIPATION IN RESEARCH PROGRAMS OF EXTRA-MURAL CENTERS

- 1999-2000 BRAIN (*Basic Research And Integrative Neuroscience*) Inter-Departmental Center, Univ of Trieste.
- 2000-2006 Center for Cognitive Neuroscience, HSR, Milan.
- 2002-2006 Excellence Center "Cognitive and Clinical Neuroimaging Laboratory", UNIMIB.

INVITED LECTURES

- 2003 "Electrical and Magnetic Readings of Human Mind and Brain Functions"; Workshop on "Mind and Brain in Cognitive Neuroscience", Mind and Brain Institute, Ecole Polytechnique Federal Lausanne, Swiss, Sept 2003.
- 2010 "Electrofunctional Imaging of Brain Activations during Endogenous and Exogenous Orienting of Spatial Attention", Symposium "Attention and Consciousness States", XVIII SIPF Congress, Palermo, Italy.
- 2017 "Electrophysiological and behavioral indexes of conflict processing during voluntary orienting of attention and alerting", Neuro-MI 2017 Annual Meeting, UNIMIB, September 2017.

ACADEMIC HONORS

- 2016 Winner of contest reserved to academically-licensed candidates by MIUR, UniSR, Faculty of Psychology, for a Full-Professorship in "General Psychology".
- 2014-2020 MIUR List of Full Professors of 11/E1 disciplines.

RESEARCH STAGES ABROAD

- 1982-84 3 years at the Institute of Physiology & Faculty of Psychology, Univ of Leiden, The Netherlands.
- 1995 One Year at Center for Neuroscience, Univ of California Davis, USA.
- 1996 Visiting Researcher at Max-Planck Institut, Center for Cognitive Neuroscience, Leipzig, Germany.

SCIENTIFIC SOCIETIES MEMBERSHIP

- 1990-1991 President of the Italian Branch of the Society for Experimental Aesthetics
- 1994 Cognitive Neuroscience Society
- 1994 Society for Neuroscience
- 1996-2007 Italian Society for Psychophysiology

RESEARCH COLLABORATIONS

- >Dept of Psychology, Univ Bicocca-Milano
- >Dartmouth Medical School, Program in Cognitive Neuroscience, New Hampshire, USA
- >School of Psychology, Univ Ottawa, Canada
- >Max-Planck-Institute, Center for Cognitive Neuroscience, Leipzig, Germany