

**CURRICULUM VITAE**

**NAME:** Nicola Riccardo Polizzotto, MD

**PRESENT TITLE:** Assistant Professor of Psychiatry and Attending Physician  
Department of Psychiatry and Behavioral Sciences  
UT-Health, Harris County Psychiatric Center

**CITZENSHIP:** Italy

**UNDERGRADUATE EDUCATION:** International Baccalaureate bilingual Diploma program, scholar as winner of national selection, United World College of the Adriatic (Duino, Italy) 1993-'95

**GRADUATE EDUCATION:** Honors Student at Sant'Anna School for Advanced Studies (SSSA – Pisa, Italy) Dept. of Medicine 1995-2002  
  
School of Medicine (University of Pisa, Italy) 1995- 2002  
Graduation: 110/110 cum laude and special mention.

**POSTGRADUATE TRAINING:** Residency in Psychiatry and Psychotherapy (University of Siena, Italy) 2002 – 2006  
  
PhD candidate in Applied Neurological Sciences (University of Siena, Italy) 2006/10

**ACADEMIC APPOINTMENTS:** Assistant Professor,  
Department of Psychiatry,  
The University of Texas Health Science Center  
Department of Psychiatry and Behavioral Sciences  
UT-Health, Harris County Psychiatric Center  
2016 – Present

**HOSPITAL APPOINTMENTS:** Harris County Psychiatric Center,  
2016 – Present

**LICENSURE:** Italian Medical License

Faculty Temporary License from Texas Medical Board

CLINICAL  
EXPERIENCE:

Private Practice as Psychiatrist 1/2007 - 12/2009  
Substitutions as General Practitioner for the local health centre  
ASL 7, Italy 2007-08  
Four years Psychiatry residency training, University of Siena and  
local health centre ASL 7, Italy 2002 -06  
Intern at Department of Psychiatry, University of Pisa, 2000/01

OTHER TRAINING AND

RESEARCH EXPERIENCES: *methodology* (and field of application)

University of Pittsburgh Medical Center - Prof . GJ Siegle  
Functional connectivity oriented *fMRI* (resting state and  
dissociative states) 2008 - 2009

University of Siena, Neurosciences Dept. - Dott S Rossi  
Non-invasive stimulation techniques: *TMS*, *tDCS*, *tACS* (cortical  
excitability, short and long term memory) 2006 - 2008

University of Siena, Neurology Dept. - Dott.G.Vatti  
*MRI*: morfovolumetric analysis (disease and treatment related  
changes)

UW, Madison - Prof. G Tononi  
*PCR* based molecular biology techniques (cortical genes  
expression through the sleep-wake cycle) 2002  
*hdEEG* and *TMS* (effective connectivity) 2002

NIA, Bethesda - Prof. P. Pietrini, 1999  
*PET* and *fMRI*

MGH and Harvard Medical School, Boston - Visiting Fellowship  
Program in *fMRI* 1998

Intern student at the Neurophysiology Dept. "G Moruzzi", Pisa  
-linear and nonlinear analysis of *EKG* and *EEG* signals  
-basic electrophysiology, *single neuron recordings*  
1996 – 2000

**POSITIONS AND  
EMPLOYMENT:**

Postdoctoral Research Fellow - Department of Psychiatry  
UTHealth 2014 – '15

Postdoctoral Research Fellow – Department of Psychiatry –  
University of Pittsburgh 2010 – '14

**PROFESSIONAL  
SOCIETIES:**

Italian Association of Physicians, 2002  
Society of Biological Psychiatry, 2011  
Society of Neuroscience, 2012  
Invited to American College of Neuropsychopharmacology, 2015

**TEACHING  
EXPERIENCES:**

Assigned undergraduate and graduate classes, University of Siena  
School of Medicine.  
Clinical Psychopharmacology  
Psychopathology of Consciousness  
Dissociation and Dissociative Disorders  
Neuropsychology  
9/2004-7/2007  
Teaching Assistant, University of Siena School of Medicine  
course in Psychiatry. 9/2003 – 7/2004  
Invited lessons at the Child Neurology and Psychiatry Dept., ASL  
5, Torino:  
Psychopharmacology of Early Onset Psychotic Disorders  
Core Consciousness Disorders through Development  
fMRI: from biophysics to applications in Psychiatry Research  
2000 – 2003

**SCIENTIFIC  
PANELS:**

Reviewer for International Journals (e.g. J of Affective Disorder,  
Clin EEG Neurosci, Biol Psychiatry, Arch Ital Biol)  
Referring expert/supervisor for graduate dissertations (Psychiatry,  
Neurology, Bioengineering and Mathematics)

**SERVICE ON UT-HMS  
AFFILIATED HOSPITAL COMMITTEES:**

Harris County Psychiatric Center  
Medical Staff Committee, 2016 – Present  
Pharmacy and Therapeutics Committee, 9/2016 - Present

CURRENT TEACHING RESPONSIBILITIES:

HCPC Attending Physician  
Unit and 1:1 supervision, Medical Student  
(Rounds activities)

PUBLICATIONS:

- Salisbury DF, Polizzotto NR, Nestor PG, Haigh SM, Koehler J, McCarley RW. "Pitch and Duration Mismatch Negativity and Premorbid Intellect in the First Hospitalized Schizophrenia Spectrum". *Schizophr Bull.* 2016 May 26
- Polizzotto NR, Takahashi T, Walker CP, Cho RY. "Wide range multiscale entropy changes through development". *Entropy* 18(1), 12, 2015.
- Santarnecchi E, Muller T, Rossi S, Sarkar A, Polizzotto NR, Rossi A, Cohen Kadosh R. "Individual differences and specificity of prefrontal gamma frequency-tACS on fluid intelligence capabilities". *Cortex* 75:33-43, 2015
- Santarnecchi E, Polizzotto NR, Galli G, Rossi A, Rossi S. "Efficiency of weak brain connections support general cognitive functioning". *Hum Brain Mapp.* 35(9):4566-82, 2014
- Cho RY, Polizzotto NR, Walker CP, Wozny TA, Fissell C, Chen CM, Lewis DA. "Development of Sensory Gamma Oscillations and Cross-Frequency Coupling from Childhood to Early Adulthood". *Cereb Cortex* 25(6):1509-18, 2015, Epub Dec 10, 2013
- Santarnecchi E, Polizzotto NR, Godone M, Giovannelli F, Feurra M, Matzen L, Rossi A, Rossi S. "Frequency-dependent enhancement of fluid intelligence induced by transcranial oscillatory potentials". *Curr Biol.* 23(15):1449-53, 2013
- Santarnecchi E, Richiardi J, Polizzotto NR, Sicilia I, Marino D, Rocchi R, Van De Ville D, Rossi A. "Altered cortical and subcortical local coherence in obstructive sleep apnoea: a functional magnetic resonance imaging study." *J Sleep Res.* 22(3):337-47, 2013.
- Feurra M, Bianco G, Polizzotto NR, Innocenti I, Rossi A, Rossi S. "Cortico-cortical connectivity between right parietal and bilateral primary motor cortices during imagined and observed actions: A combined TMS/tDCS study". *Frontiers in Neural Circuits* 5(10), 2011
- Caliendo P, Stålberg E, Greco G, Bianco G, Polizzotto NR, Erra C, Rossi S. "Comparison between peripheral jitter and central jitter induced by repetitive transcranial magnetic stimulation". *Clinical Neurophysiology* 06(12): 60512-9, 2011.
- Bossini L, Tavanti M, Calossi S, Polizzotto NR, Vatti G, Marino D, Castrogiovanni P. "EMDR treatment for posttraumatic stress disorder, with focus on hippocampal volumes: a pilot study." *J Neuropsychiatry Clin Neurosci.* 2011 Spring;23(2):E1-2.
- Innocenti I, Giovannelli F, Cincotta M, Polizzotto NR, Bianco G, Cappa S, Rossi S. "Event-related rTMS at encoding affects differently deep and shallow memory traces". *Neuroimage*, Oct 15;53(1):325-30, 2010
- Rossi S, Polizzotto NR, Feurra M, De Capua A, Ulivelli M, Bartalini S, Cappa SF. "Temporal

Dynamics of Memory Trace Formation in the Human Prefrontal Cortex”. *Cereb Cortex*, Jun 7, 2010

- Rossi S, De Capua A, Tavanti M, Polizzotto NR, Mantovani A, Falzarano V, Bossini L, Passero S, Bartalini S. “Dysfunctions of cortical excitability in drug-naïve posttraumatic stress disorder patients”. *Biological Psychiatry*, Jul 1;66(1):54-61, 2009
- Polizzotto NR, Penta E, Santarnecchi E, Rufa A, Federico, A. “Multidimensional assessment of visual short-term memory: simultaneous characterisation of change detection, awareness and localisation”. *European Journal Of Neurology*, 16:652, 2009
- De Capua A, Tavanti M, Polizzotto NR, Calossi S, Falzarano V, Ulivelli M, Bartalini S, Bossini L, Filippone G, Castrogiovanni P. “Cortical excitability variables in drug-free post-traumatic stress disorder (PTSD) patients and relation to clinical symptoms”. *Clinical Neurophysiology*, 05(10):2457-8, 2008.
- Bossini L, Tavanti M, Calossi S, Lombardelli A, Polizzotto NR, Galli R, Vatti G, Pieraccini F, Castrogiovanni P. “Magnetic resonance imaging volumes of the hippocampus in drug-naive patients with post-traumatic stress disorder without comorbidity conditions” *Journal of Psychiatric Research*, Jul;42(9):752-62, 2008
- Bossini L, Fagiolini A, Valdagno M, Polizzotto NR, Castrogiovanni P. “Sexual Disorders in Subjects treated for Mood and Anxiety Diseases”. *Journal of Clinical Psychopharmacology* Jun;27(3):310-2, 2007
- Bossini L, Tavanti M, Lombardelli A, Calossi S, Polizzotto NR, Galli R, Vatti G, Pieraccini F, Castrogiovanni P. “Changes of Hippocampal Volume in Patients with Post-Traumatic Stress Disorder after Sertraline Treatment.” *Journal of Clinical Psychopharmacology*, 27(2)233-235, 2007
- Bossini L, Valdagno M, Polizzotto NR, Capano G, Castrogiovanni P. “Psychopathology of sexual function: categorical or dimensional approach?” *European Neuropsychopharmacology*, 16(4):298-299, 2006
- Bossini L, Tavanti M, Calossi S, Lombardelli A, Polizzotto NR, Galli R, Vatti G, Pieraccini F, Castrogiovanni P. “Hippocampal volume in post-traumatic stress disorder: effects of traumatic event and sertraline treatment” *European Neuropsychopharmacology*, 16(4):268, 2006
- Bossini L, Tavanti M, Lombardelli A, Calossi S, Polizzotto NR, Galli R, Vatti G, Pieraccini F, Castrogiovanni P. “Does stress reduce Hippocampal volume and can Sertraline reverse this damage?” *Clinical Neuropsychiatry, Journal of treatment and evaluation*, 3(1):79-81, 2006

#### *Selected Italian Journals Publications*

- Bossini L, Valdagno M, Polizzotto NR, Capano G, Castrogiovanni P. “Psicopatologia delle disfunzioni sessuali nell’ambito dei disturbi affettivi (umore ed ansia) nuclearità, collateralità, residualità?” *Medicina Psicosomatica*. 51(1):25-32, 2006
- Bossini L, Valdagno M, Polizzotto NR, Capano G, Castrogiovanni P. “Psicopatologia delle disfunzioni sessuali nell’ambito dei disturbi affettivi (umore ed ansia) nuclearità, collateralità, residualità?” *Medicina Psicosomatica*. 51(1):25-32, 2006
- Bossini L, Annese PM, Calossi S, Lombardelli, Polizzotto NR, Tavanti M, Galli R, Vatti G, Pieraccini F, Castrogiovanni P “Atrofia ippocampale nel Disturbo Post-Traumatico da Stress:

- correlazioni con il tipo di evento e la gravità del disturbo” *Giornale Italiano di Psicopatologia*, 2006
- Bossini L, Polizzotto NR, Annese PM, Calossi S, Lombardelli A, Tavanti M, Galli R, Vatti G, Pieraccini F, Castrogiovanni P. “Atrofia Ippocampale nel Disturbo Post-Traumatico da Stress e nel Disturbo Depressivo Maggiore” *Giornale Italiano di Psicopatologia*. 12:393-397, 2006

*International Conferences Oral and Poster Contributions as Presenting Author*

American College of Neuropsychopharmacology , December 2015, Hollywood, FL

*Dissection of the Auditory Steady State Response by Continuous Wide-Spectrum Rhythmic Stimulation at Varying Intensity Levels*

Society for Neurosciences, October 2015, Chicago, IL

*Contribution of phase amplitude theta-gamma coupling to visual working memory maintenance of non-serially presented items*

Society of Biological Psychiatry, May 2015, Toronto, Canada

*Specific Electrophysiological Signature of Action Monitoring Disruption in First-episode Drug-free Psychosis*

Society for Neuroscience, November 2014, Washington, DC

*fMRI Correlates of Transcranial Alternating Stimulation*

Society for Neuroscience, November 2013, San Diego, CA

*Synchronization and Schizophrenia: What About Rhythms Organization Disturbances*

Society for Neuroscience, October 2012, New Orleans, LA

*Development of Cognitive Control and Induced Frontal Gamma Activity*

Society of Biological Psychiatry, May 2011, San Francisco, CA

*Developmental Trajectory of Context Processing using the AX-CPT Paradigm*

European Federation of Neurological Societies, September 2009, Florence, Italy

*Multidimensional Assessment Of Visual Short-Term Memory*

Organization for Human Brain Mapping, June 2009, San Francisco, CA

*Functional Connectivity Breakdown in Hypnosis: an fMRI Multiple Resting-States Study*