

Curriculum Vitae of Sami Schiff

Name Sami Schiff

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Born on November the 20th 1972, Italy.

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Education

- 2011-2014 - Training in cognitive-behavioural psychotherapy – APC/SPC Verona, Italy
- 2005-2007 Post-Doc position at the Department of Clinical and Experimental Medicine – University of Padova
- 2004 - PhD in Psychological and Psychiatric Sciences. Faculty of Medicine, University of Verona
- 2000 - Five years master degree in Psychology (110/110). Faculty of Psychology, the University of Padua
- 1993 - High school education in informatics technician. ITIS G. Marconi, Verona

Society memberships:

- Italian Psychology Society (AIP)
- Italian Neuropsychological Society (SINP)
- Italian Society of Psychophysiology (SIPF)
- Italian Society of Obesity and Bariatric Surgery (SICOB)
- Italian Society of Psychologist and Psychiatry in organs transplant (SIPSOT)

H-indices:

- ISI = 13
- SCOPUS = 14
- Google scholar = 16

Health and research commitments

- From 2015 – Now: Clinical psychology involved in the assessment of obese patients candidate for bariatric surgery.
- 2014: Enabled to the role of Associated Professor in General Psychology, Psychobiology, and Psychometric by the MIUR (Italian University and Research Ministry).

- From January 2011: Psychologist/Neuropsychologist and Psychotherapist of the Department of Medicine, UOS for Cognitive and Behavioural Alterations in Internal Medicine Disorders, Medical Ward 5, Padova, University Hospital of Padova
- 2011 – 2013: Research consultant IRCCS San Camillo, Lido Venezia
- From 2007 – Now: Technical chef of neurophysiological/neuropsychological lab and research assistant of the Department of Medicine, University of Padova
- 2005-2007 – Post-doc at the Department of Experimental and Clinical Medicine, University of Padova.

Teaching commitments

- 2016 – Co-author of the of the Veneto’s 2016 guidelines for the management of obese patients – Veneto Network
- From 2014/2016 – Adjunct Professor of “Psychobiology of eating behaviour”, in the three years degree for “Dieticians” at the University of Padova
- 2009-2010: Teacher of “Psychometric”, in the three years degree course of “Therapist of neuro- and psychomotricity in developmental age”, University of Padova
- 2009-2010: Teacher of “Rehabilitation of the higher cortical functions”, in the three years degree course of “Therapist of neuro- and psychomotricity in developmental age”, University of Padova
- 2004-2007: Teacher of “The use of neuropsychological and neuropsychological instrument for the early detection of cognitive impairment in internal medicine” at the Master in “Clinical Neuropsychology of acquired cognitive impairment”, University of Padova

Research interests

- Cognitive and neural enhancement in obese patient with specific food-craving
- Cognitive and neural mechanisms related with obesity
- Neural correlates of cognitive functions: spatial and selective attention, prospective memory, executive functions, cognitive control, decision-making and reinforcement learning
- Electrophysiological (EEG and ERPs) correlates of normal and pathological cognitive and brain functioning
- Functional Near Infrared Spectroscopy (fNIRS)
- Transcranial Brain Stimulation (TMS, tDCS)
- Cognitive-behavioural rehabilitation and training in Psychotherapy
- Development of methods for EEG and ERPs signals analysis

Stages and courses

- 2014 - Workshop on Transcranial Electrical Brain stimulation and Functional Near Infrared spectroscopy, Brescia, Italy.

- 2014 - Workshop on Near Infrared spectroscopy, University of Milano-Bicocca, Milano, Italy.
- 2007 - Summer School at the Institute of Cognitive Neuroscience, University College of London: Transcranial Magnetic Stimulation.
- 2007 - Summer School of the Italian Society of Psychology: “Transcranial Magnetic Stimulation in Cognitive Neuroscience”. Bertinoro. by Prof. Miniussi
- 2003 - Stage at the Max Plunk Institute of Munich for Psychological Research – director Prof. Wolfgang Prinz
- 2001 - Course of the International Clinical Neurophysiology Society on “Corticocortical and cortico-muscular coherence” by Mark Hallett
- 2001 - Course of the International Clinical Neurophysiology Society: “LOW Resolution Electromagnetic Tomography - LORETA” by Alvaro Pasqual-Marchi.
- 2001 - Stage at the Department of Neurological and Vision Science, University of Verona.
- 2001 - Stage at the Department of Clinical and Experimental Medicine, University of Padua

Publications with impact factor:

1. Schiff S, Casa M, Di Caro V, Aprile D, Spinelli G, De Rui M, Angeli P, Amodio P, Montagnese S. (2016). A low-cost, user-friendly electroencephalographic recording system for the assessment of hepatic encephalopathy. *Hepatology*. 63:1651-9.
2. Schiff S, Amodio P, Testa G, Nardi M, Montagnese S, Caregaro L, di Pellegrino G, Sellitto M. (2015). Impulsivity toward food reward is related to BMI: Evidence from intertemporal choice in obese and normal-weight individuals. *Brain Cogn*. pii: S0278-2626(15)30026-9.
3. Morgan MY, Amodio P, Cook NA, Jackson CD, Kircheis G, Lauridsen MM, Montagnese S, Schiff S, Weissenborn K. (2015). Qualifying and quantifying minimal hepatic encephalopathy. *Metab Brain Dis*. 2015 Sep 28.
4. Di Rosa E, Schiff S, Cagnolati F, Mapelli D. (2015). Motivation-cognition interaction: how feedback processing changes in healthy ageing and in Parkinson's disease. *Aging Clin Exp Res*. 27(6):911-20.
5. Bardi L, Schiff S, Basso D, Mapelli D. (2015). A transcranial magnetic stimulation study on response activation and selection in spatial conflict. *Eur J Neurosci*. 41:487-91.
6. Riggio O, Amodio P, Farcomeni A, Merli M, Nardelli S, Pasquale C, Pentassuglio I, Gioia S, Onori E, Piazza N, De Rui M, Schiff S, Montagnese S. (2015). A Model for Predicting Development of Overt Hepatic Encephalopathy in Patients With Cirrhosis. *Clin Gastroenterol Hepatol*. 2015 Jan 5. pii: S1542-3565(14)01838-2. doi: 10.1016/j.cgh.2014.12.025. [Epub ahead of print].
7. Tamburin S, Maier A, Schiff S, Lauriola MF, Di Rosa E, Zanette G, Mapelli D. (2014). Cognition and emotional decision-making in chronic low back pain: an ERPs study during Iowa gambling task. *Front Psychol*. doi: 10.3389/fpsyg.2014.01350.
8. Gatta M, Facca I, Colombo E, Svanellini L, Montagnese S, Schiff S. (2014). Alexithymia, Psychopathology and Alcohol Misuse in Adolescence: A Population Based Study on 3556 Teenagers.

9. Montagnese S, Balistreri E, Schiff S, De Rui M, Angeli P, Zanusi G, Cillo U, Bombonato G, Bolognesi M, Sacerdoti D, Gatta A, Merkel C, Amodio P. (2014). Covert hepatic encephalopathy: agreement and predictive validity of different indices. *World J Gastroenterol.* 20(24):15756-62.
10. Montagnese S, Schiff S, Piero A. (2014). Quick diagnosis of hepatic encephalopathy: Fact or fiction? *Hepatology* 61:405-6.
11. Campagna F, Montagnese S, Schiff S, Ruzzoli M, Biancardi A, Iannizzi P, Pujatti PL, Angeli P, Gatta A, Merkel C, Leandro G, Mapelli D, Amodio P. (2015). Confounders in the detection of minimal hepatic encephalopathy: a neuropsychological and quantified EEG study. *Liver Int.* 35:1524-32.
12. Mapelli D, Di Rosa, E, Cavalletti M, Schiff S, Tamburin S. (2014). Decision and dopaminergic system: An ERPs study of Iowa gambling task in Parkinson's disease. *Frontiers in Psychology.* 5(684).
13. Casula EP, Bisiacchi P.S., Corrias M, Schiff S, Merkel C, Amodio P., Montagnese S. (2015). Acute hyperammonaemia induces a sustained decrease in vigilance, which is modulated by caffeine. *Metabolic Brain disease.* 30(1):143-9.
14. D'Antiga, L, Dacchille, P, Boniver, C., Poledri, S., Schiff, S., Zancan, L., Amodio, P. (2014). Clues for minimal hepatic encephalopathy in children with non-cirrhotic portal hypertension. *J Pediatr Gastroenterol Nutr.* 59:689-94.
15. Valenti P, Ortelli P, Zanoni, A, Schiff, S, Montagnese S, Avruscio G, Del Piccolo F, Mapelli D, Puato, M, Rattazzi M, Amodio P, Pauletto P. (2014). Psychometric and EEG changes after carotid endarterectomy. *Metabolic Brain disease,* 30:99-105.
16. Corrias, M., Turco, M., Rui, M.D., Gatta, A., Angeli, P., Merkel, C., Amodio P., Schiff, S., Montagnese, S. (2014). Covert hepatic encephalopathy: Does the mini-mental state examination help? *Journal of Clinical and Experimental Hepatology.* 4: 89-93
17. Campagna F, Montagnese S, Schiff S, Biancardi A, Mapelli D, Angeli P, Poci C, Cillo, U, Merkel C, Gatta A, Amodio P. (2014). Cognitive impairment and electroencephalographic alterations before and after liver transplantation: What is reversible? *Liver Transplantation.* 20: 977-986.
18. Montagnese S, De Rui M, Schiff S, Ceranto E, Valenti P, Angeli P, Cillo U, Zanusi G, Gatta A, Amodio P, Merkel C. (2015). Prognostic Benefit of the Addition of a Quantitative Index of Hepatic Encephalopathy to the MELD score: The MELD-EEG. *Liver Int.* 35:58-64.
19. Bisiacchi P, Cona G, Tarantino, V, Schiff S, Montagnese S, Amodio P, Capizzi G. (2014). Assessing inter- and intra-individual cognitive variability in patients at risk for cognitive impairment: the case of minimal hepatic encephalopathy. *Metabolic Brain disease,* 29:945-53.
20. Cona G, Montagnese S, Bisiacchi PS, Gatta A, Cillo U, Angeli P, Amodio P, Schiff S. (2014). Early markers of neural dysfunction and compensation: A model from minimal hepatic encephalopathy. *Clin Neurophysiol.* 125:1138-44.

21. Bianco T, Cillo U, Amodio P, Zanusi G, Salari A, Neri D, Bombonato G, Schiff S, Baggio G, Ronco C, Brocca A, Soni S, Minazzato L. (2014). Gender differences in the quality of life of patients with liver cirrhosis related to hepatitis C after liver transplantation. *Blood Purification*, 36:231-236.
22. Cona G, Bisiacchi PS, Amodio P, Schiff S (2013) Age-related decline in attentional shifting: Evidence from ERPs. *Neuroscience Letters*. 556:129-34.
23. Schiff S, D'Avanzo C, Cona G, Goljahani A, Montagnese S, Volpato C, Gatta A, Sparacino G, Amodio P, Bisiacchi P. (2014) Insight into the relationship between brain/behavioral speed and variability in patients with minimal hepatic encephalopathy. *Clinical Neurophysiol.* 125:287-9.
24. Cona G, Arcara G, Amodio P, Schiff S, Bisiacchi PS. (2013). Does executive control really play a crucial role in explaining age-related cognitive and neural differences? *Neuropsychology*. 27:378-89.
25. Shirazi AH, Raoufy MR, Ebadi H, De Rui M, Schiff S, Mazloom R, Hajizadeh S, Gharibzadeh S, Dehpour AR, Amodio P, Jafari GR, Montagnese S, Mani AR. (2013) Quantifying memory in complex physiological time-series. *PLoS One*. 5;8(9): e72854.
26. Babiloni C, Vecchio F, Del Percio C, Montagnese S, Schiff S, Lizio R, Chini G, Serviddio G, Marzano N, Soricelli A, Frisoni GB, Rossini PM, Amodio P. (2013). Resting state cortical electroencephalographic rhythms in covert hepatic encephalopathy and Alzheimer's disease. *J Alzheimers Dis*. 34:707-25.
27. De Rui M, Schiff S, Aprile D, Angeli P, Bombonato G, Bolognesi M, Sacerdoti D, Gatta A, Merkel C, Amodio P, Montagnese S. (2013) Excessive daytime sleepiness and hepatic encephalopathy: it is worth asking. *Metab Brain Dis*. 28:245-8.
28. Montagnese S, Schiff S, Realdi A, Inverso G, Pellegrini A, Iannizzi P, Manara R, Mapelli D, Amodio P, Semplicini A. (2013). Abnormal cerebral electrogenesis is associated with impaired cognitive performance in hypertensive patients. *J Hum Hypertens*. 27:463-4.
29. Bersagliere A, Raduazzo ID, Schiff S, Gatta A, Merkel C, Amodio P, Achermann P, Montagnese S. (2013) Ammonia-related changes in cerebral electrogenesis in healthy subjects and patients with cirrhosis. *Clin Neurophysiol*. 124:492-6.
30. Villano G, Lunardi F, Turato C, Schiff S, Tono N, Campagna F, Gatta A, Amodio P, Calabrese F, Pontisso P. (2012) Increased Th1 immune response in SERPINB3 transgenic mice during acute liver failure. *Exp Biol Med*. 237:1474-82.
31. Amodio P, Montagnese S, Schiff S. (2012). Ammonia: the neglected risk factor. *Translational Neuroscience*, 3: 305.
32. Cardin F, Ambrosio F, Amodio P, Minazzato L, Bombonato G, Schiff S, Finotti K, Giuliani D, Bianco T, Terranova C, Militello C, Ori C. (2012). Quality of life and depression in a cohort of female patients with chronic disease. *BMC Surg*. 12 Suppl 1:S10.
33. Montagnese S, Schiff S, Turco M, Bonato CA, Ridola L, Gatta A, Nussbaum JB, Riggio O, Merkel C, Amodio P. (2012). Simple tools for complex syndromes: A three-level difficulty test for hepatic encephalopathy. *Dig Liver Dis*. 44:957-60.

34. Volpato C, Piccione F, Cavinato M, Duzzi D, Schiff S, Foscolo L, Venneri A. (2013). Modulation of affective symptoms and resting state activity by brain stimulation in a treatment-resistant case of obsessive-compulsive disorder. *Neurocase*. 9:360-70.
35. Goljahani A., D'Avanzo C., Schiff S., Amodio P., Bisiacchi P., Sparacino G. (2012). A novel method for the determination of the EEG individual alpha frequency. *Neuroimage*. 60:774-86.
36. Giordano N., Tikhonoff V, Palatini P, Bascelli A, Boschetti G, De Lazzari F, Grasselli C, Martini B, Caffi S, Piccoli A, Mazza A, Bisiacchi P., Casiglia E. (2012). Cognitive functions and cognitive reserve in relation to blood pressure components in a population-based cohort aged 53 to 94 years. *Int J Hypertens*. 2012:2748-51.
37. Casiglia E, Tikhonoff V, Giordano N, Regaldo G, Facco E, Marchetti P, Schiff S, Tosello MT, Giacomello M, Rossi AM, De Lazzari F, Palatini P, Amodio P. (2012). Relaxation versus fractionation as hypnotic deepening: do they differ in physiological changes? *Int J Clin Exp Hypn.*, 60:338-55.
38. Amodio P, Salari L, Montagnese S, Schiff S, Neri D, Bianco T, Minazzato L. (2012). Hepatitis C virus infection and health-related quality of life. *World J Gastroenterol*. 18:2295-9.
39. De Rui M, Gaiani S, Middleton B, Skene DJ, Schiff S, Gatta A, Merkel C, Amodio P, Montagnese S. (2012). Bright times for patients with cirrhosis and delayed sleep habits: a case report on the beneficial effect of light therapy. *Am J Gastroenterol*. 106:2048-9.
40. Bersagliere A., Raduazzo I.D., Nardi M., Schiff S., Gatta A., Amodio P., Achermann P., Montagnese S. (2012). Induced hyperammonemia may compromise the ability to generate restful sleep in patients with cirrhosis. *Hepatology*. 55:869-78.
41. Marchetti P., D'Avanzo C., Orsato R., Montagnese S., Schiff S., Kaplan P.W., Piccione F., Merkel C., Gatta A., Sparacino G., Toffolo G.M., Amodio P. (2011) Electroencephalography Alterations in Patients With Cirrhosis. *Gastroenterology*, 141:1680–1689.
42. Priftis K., Schiff S., Tikhonoff V., Giordano N., Amodio P., Umiltà C., Casiglia E. (2011) Hypnosis meets neuropsychology: Simulating spatial neglect in healthy participants. *Neuropsychologia*, 49: 3346–3350. F=4.345
43. Zara C., Codemo V., Palmieri A., Schiff S., Cagnin A., Citton V., Manara R. (2011). Neurological complications in hyperemesis gravidarum. *Neurol. Sci.*, 33:133-5.
44. Senzolo M, Schiff S, D'Aloiso CM, Crivellin C, Cholongitas E, Burra P, Montagnese S. (2011). Neuropsychological alterations in hepatitis C infection: The role of inflammation. *World Journal of Gastroenterology*, 17:3369-74.
45. Schiff S., Bardi L., Basso D., Mapelli D. (2011). Timing spatial conflict within the parietal cortex: a TMS study. *Journal of Cognitive Neuroscience*, 23:3998-4007. IF=5.302
46. Bisiacchi P., Cona G., Schiff S., Basso D. (2011). Modulation of a fronto-parietal network in event-based prospective memory: An rTMS study. *Neuropsychologia*. 49:2225-32. IF=4.345

47. D'Avanzo C, Schiff S, Amodio P, Sparacino G. (2011). A Bayesian method to estimate single-trial event-related potentials with application to the study of the P300 variability. *J Neurosci Methods*. 198: 114–124. IF=2.295
48. Cillo U., Amodio P., Ronco C., Soni SS., Zanusi G., Minazzato L., Salari A., Neri D., Bombonato G., Schiff S., Bianco T. (2011). Hepatitis C Virus Adversely Affects Quality of Life. *Blood Purif*. 32:144-149.
49. Baccarani U., Zola E., Adani GL., Cavalletti M., Schiff S., Cagnin A., Poci C., Merkel C., Amodio P., Montagnese S. (2010). Reversal of Hepatic Myelopathy after Liver Transplantation: Fifteen plus One. *Liver Transplantation* 16:1336-1337. IF= 3.724
50. Montagnese S., Biancardi A, Schiff S, et al. (2011). Different Biochemical Correlates for Different Neuropsychiatric Abnormalities in Patients with Cirrhosis. *Hepatology*, 53:558-66. IF=10.84
51. Amodio P., Ridola L., Schiff S., Montagnese S., Pasquale C., Nardelli S., Pentassuglio I., Trezza M., Marzano C., Flaiban C., Angeli P., Cona G., Bisiacchi P., Gatta A., Riggio O. (2010). Improving Detection of Minimal Hepatic Encephalopathy Using the Inhibitory Control Task. *Gastroenterology*, 39:510-518. IF=12.899
52. Montagnese S, Cona G, Schiff S., Maresio G., Gatta A., Merkel C., Amodio P. (2010). The Hunter and the Pianist Two Hepatic Encephalopathy Tales. *J of Clin Gastroenterology*
53. Montagnese S, Schiff S., Poci C., Iannizzi P., Biancardi A., Manara R., Briani C., Mapelli D., Realdi G., Amodio P. (2010). Split-brain syndrome after hepatic transplantation: a tacrolimus-related vasculitis? *Metabolic Brain Disease* 25:155-9. IF=2.25
54. Semplicini A., Inverso G., Realdi A., Macchini L., Maraffon M., Puato M., Zanardo M., Tirrito C., Amodio P., Schiff S., Mapelli D. and Manara R. (2010). Blood pressure control has distinct effects on executive function, attention, memory and markers of cerebrovascular damage. *Journal of Human Hypertension*, 25:80-7. IF=2.637
55. Casiglia E., Schiff S., Facco E., Gabbana A., Tikhonoff V., Schiavon L., Bascelli A., Avdia M., Tosello M.T., Rossi A.M., Haxhi Nasto H., Guidotti F., Giacomello M., Amodio P. (2010). Neurophysiological correlates of post-hypnotic alexia: A controlled study with Stroop test. *American Journal of Clinical Hypnosis*. 52:219-33.
56. Montagnese S., Schiff S., Gatta A., Riggio O., Morgan M.Y., Amodio P. (2009) Hepatic encephalopathy: you should only comment on what you have actually measured. *J Gastroenterol*. 45:342-3. IF=3.117
57. J-M. Guerit, A. Amantini, C. Fischer, P. Kaplan, O. Mecerelli, A. Schnitzler, E. Ubiali, P. Amodio (2009) and the members of the ISHEN commission on Neurophysiological Investigations of hepatic encephalopathy: ISHEN practice guidelines. *Liver International*
58. Bisiacchi P., Schiff S., Ciccola A., Kliegel M. (2009). The role of dual-task and task-switch in prospective memory: Behavioural data and neural correlates. *Neuropsychologia*, 47:1362–1373. IF=3.63

59. Amodio P., Orsato R., Marchetti P., Schiff S., Poci C., Angeli P., Gatta A., Sparacino G., Toffolo GM. (2009). Electroencephalographic analysis for the assessment of hepatic encephalopathy: comparison of non-parametric and parametric spectral estimation techniques. *Neurophysiologie Clinique/Clinical neurophysiology*; 39:107-15. IF=1.16
60. Minazzato L., Amodio P, Cillo U., Zanus G., Schiff S., Bombonato G., Salari A., Bianco T. (2009) Subjective satisfaction and quality of life in patients prior to listing for liver transplant. *The International Journal of Artificial Organs* *The International journal of artificial organs*. 32:39-42. IF=1.5
61. Schiff S. , Valenti P., Pellegrini A., Lot M., Bisiacchi P., Gatta A., Amodio P. (2008) The effect of aging on auditory components of event-related brain potentials. *Clin Neurophysiol*. 119:1795-802. IF= 2.972
62. Schiff S., Mapelli D., Vallesi A., Orsato R., Gatta A., Umiltà C.A., Amodio P. (2006). Top-down and Bottom-up Processes in the Extrastriate cortex of cirrhotic patients: an ERP Study. *Clinical Neurophysiology*. 117:1728-1736. IF= 2.972
63. Schiff S., Vallesi A., Mapelli D., Pellegrini A., R. Orsato, Umiltà C.A., Amodio P. (2005). Response inhibition impairment precede motor alteration in the early stage of liver cirrhosis. A behavioural and electrophysiological study. *Metabolic Brain Disease*. 20:381-92. IF=2.25
64. Amodio P., Schiff S., Mapelli D., Del Piccolo F., Umiltà C.A., Gatta A. (2005). Attention dysfunction in cirrhotic patients: an enquire on the rule of executive control, attention orienting and focusing. *Metabolic Brain Disease*, 20:115-127. IF=2.25
65. Vallesi A, Mapelli D, Schiff S, Amodio P, Del Piccolo F, Umiltà CA (2005). Horizontal and Vertical Simon effect: Different underling mechanisms? *Cognition*, 96,B33-B43. IF= 3.48
66. Amodio P, Valenti P, Del Piccolo F, Pellegrini A, Schiff S, Angeli P, Poci C, Mapelli D, Iannizzi P, Gatta A. (2005). P300 latency for the diagnosis of minimal hepatic encephalopathy: Evidence that spectral EEG and psychometric tests are enough. *Digestive and liver Disease*. 37:861-868. IF= 2.577.
67. Semplicini A., Amodio P, Leonetti G, Cuspidi C, Umilta` C, Schiff S, Scheltens P, Barkhof F, Emanuelli C, Cagnin A, Pizzolato G, Macchini L, Realdi A, Royter V, Bornstein NM, Madeddu P. (2005). Diagnostic tools for the study of vascular cognitive dysfunction in hypertension and antihypertensive drug research. *Pharmacology & Therapeutics*. 109:274-283. IF= 9.217
68. Pellegrini A, Ubiali E, Orsato R, Schiff S, Gatta A, Castellano A., Casagrande A., Amodio P. (2006). Electroencephalographic staging of hepatic encephalopathy by an artificial neural network and an export system. *Neurophysiologie Clinique/Clinical Neurophysiology* 35:162–167. IF=1.16