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I am currently working on several different projects on non-invasive neuromodulation, mostly in the spectrum of impulsive- compulsive disorder including ADHD, autism, behavioural addiction and hoarding. Regarding hoarding, we have been conducting a translational research with animal model and clinical trial.\*

My laboratory for those projects in Italy is equipped with devices for TMS (Magstim and Magventure for Theta Burst Stimulation), a neuronavigator, different types of transcranial current stimulation for ambulatory and remote treatment, and a software for treatment administration.

I am conducting a NIMH grant project as a co-PI on the treatment with Theta Burst Stimulation of pathological gamblers that involves neuropsychological assessment, neuroimaging study of resting state with a Phillips 3.0 tesla MRI.\*\*

ECNP intern scientists will benefit from these state-of-the-art technologies and methodologies of translational research in clinical neuroscience, in the city of Florence, Italy.

\*Atomoxetine for hoarding disorder: A pre-clinical and clinical investigation. Grassi, G, Micheli L, Di Cesare Manelli L, Compagno E, Righi L, Ghelardini C, Pallanti S. *J Psychiatr Res.* 2016 Dec;83:240-248. doi: 10.1016/j.jpsychires.2016.09.012. Epub 2016 Sep 14. PMID:27665536

\*\*2017 – 2019 R21 Grant, The National Institute of Mental Health: "Modulating Inhibitory Control Networks in Gambling Disorder with Theta Burst Stimulation".