

Curriculum Vitae

Civil Status

Laurent TRITSCHLER

Assistant Professor
INSERM UMR S 1178
Faculty of Pharmacy, University Paris-Sud
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Academic background

Qualification to apply for the Assistant Professor position Section 86 (pharmacy): 2014

PhD in Neurosciences: 2006 University Louis Pasteur Strasbourg, France

Teaching

2013 to 2018: **Univ. Paris-Sud: full time teaching 192 hours a year**

2nd to 4th years of pharmacy formation as well as Master 1, Master 2 and PhD student

2012 to 2013: **Post-Doc. Univ. Heidelberg 1h: Experimental Stroke modelization**

Key words: *molecular pharmacology, fundamental pharmacology, neuro-pharmacology, pharmaco-toxicology*

Management

- Since 2017, 1 PhD student: Julie DOAN co-management with Pr. Alain GARDIER: *Neurotransmissions systems associated with the neurogenesis-dependent behavioral effects induced by fluoxetine*
- 2016-2017, 1 Master 2 trainee during 6 months: Julie DOAN *Neurotransmissions systems associated with the neurogenesis-dependent behavioral effects induced by fluoxetine*
- 2013 à 2018, 3 trainees a year for duration of 6 weeks to 2 months for each people (3rd or 4th year of pharmacy formation or Master 1)
- 2008: 1 trainee in L3 pro biotechnology applied to the health Univ. Reims Champagne-Ardennes. *Cell therapy of the stroke*

Career path

- **Since 2015 : Assistant professor.** *Neurochemical consequences of the adult hippocampal neurogenesis stimulation by the antidepressants treatments.*
- **2013-2015: Lecturer.** *Dorsal hippocampus implication in the control of the dopamine release in the nucleus Accumbens and the links with the depression: a study by optogenetics and microdialysis* Directed by Pr. A. M. Gardier

- **2009-2013: Post doctoral position**, Univ. Heidelberg, Mannheim, Germany. *Stem cells conditioned medium: a cell-free strategy for stroke treatment?* Directed by Pr. S. Meairs
- **2008-2009: Post doctoral position**, ISTEM, INSERM U894 Evry, France. *Relationships between the graft and the host in the case of human stem cells graft in a rat model of striatal ischemia.* Directed by Dr. B. Onteniente. Directed Dr. B. Onteniente
- **2006-2008: Post doctoral position**, Sanofi Bagneux and Vitry sur Seine, France *Development and characterisation of a spinal cord injury model in the rat.* Directed des Drs. D. Duverger and T. Debeir.
- **2002-2006: PhD thesis**, Laboratory of Neurobiology of Rhythms, University Strasbourg I, France, *Understanding the clock organization by using two outputs of the clock: the melatonin and the corticosterone rhythms.* Financial support: Allocataire de recherche MENRT (ministère de l'éducation nationale de la recherche et de la technologie). Directed by Dr. M. Saboureau.
- **2001-2002: Master training course**, Laboratory of Neurobiology of Rhythms, University Strasbourg I, France, *Melatonin concentrations in the cerebrospinal fluid of the third ventricle during the light / dark cycle in the rat.* Supervised by Dr. B. Bothorel

Publications

- **Tritschler, L.**, Kheirbek, M.A., Dantec, Y.L., Mendez-David, I., Guilloux, J.P., Faye, C., Doan, J., Pham, T.H., Hen, R., David, D.J., Gardier, A.M., 2017. Optogenetic activation of granule cells in the dorsal dentate gyrus enhances dopaminergic neurotransmission in the Nucleus Accumbens. *Neurosci Res.* (in press)
- Pham, T.H., Mendez-David, I., Defaix, C., Guiard, B.P., **Tritschler, L.**, David, D.J., Gardier, A.M., 2017. Ketamine treatment involves medial prefrontal cortex serotonin to induce a rapid antidepressant-like activity in BALB/cJ mice. *Neuropharmacology* 112, 198-209.
- Mendez-David, I., Guilloux, J.P., Papp, M., **Tritschler, L.**, Mocaer, E., Gardier, A.M., Bretin, S., David, D.J., 2017. S 47445 Produces Antidepressant- and Anxiolytic-Like Effects through Neurogenesis Dependent and Independent Mechanisms. *Front Pharmacol* 8, 462.
- Wetterling, F., Chatzikonstantinou, E., **Tritschler, L.**, Meairs, S., Fatar, M., Schad, L.R., Ansar, S., 2016. Investigating potentially salvageable penumbra tissue in an in vivo model of transient ischemic stroke using sodium, diffusion, and perfusion magnetic resonance imaging. *BMC Neurosci* 17, 82.

- Nautiyal, K.M., **Tritschler, L.**, Ahmari, S.E., David, D.J., Gardier, A.M., Hen, R., 2016. A Lack of Serotonin 1B Autoreceptors Results in Decreased Anxiety and Depression-Related Behaviors. *Neuropsychopharmacology* 41, 2941-2950.
- David, D.J., **Tritschler, L.**, Guilloux, J.P., Gardier, A.M., Sanchez, C., Gaillard, R., 2016. [Pharmacological properties of vortioxetine and its pre-clinical consequences]. *Encephale* 42, 1512-23.
- Nautiyal, K.M., Tanaka, K.F., Barr, M.M., **Tritschler, L.**, Le Dantec, Y., David, D.J., Gardier, A.M., Blanco, C., Hen, R., Ahmari, S.E., 2015. Distinct Circuits Underlie the Effects of 5-HT_{1B} Receptors on Aggression and Impulsivity. *Neuron* 86, 813-826.
- Mendez-David, I., **Tritschler, L.**, Ali, Z.E., Damiens, M.H., Pallardy, M., David, D.J., Kerdine-Romer, S., Gardier, A.M., 2015. Nrf2-signaling and BDNF: A new target for the antidepressant-like activity of chronic fluoxetine treatment in a mouse model of anxiety/depression. *Neurosci Lett* 597, 121-126.
- **Tritschler, L.**, Felice, D., Colle, R., Guilloux, J.P., Corruble, E., Gardier, A.M., David, D.J., 2014. Vortioxetine for the treatment of major depressive disorder. *Expert Rev Clin Pharmacol* 7, 731-745.
- Darcet, F., Mendez-David, I., **Tritschler, L.**, Gardier, A.M., Guilloux, J.P., David, D.J., 2014. Learning and memory impairments in a neuroendocrine mouse model of anxiety/depression. *Front Behav Neurosci* 8, 136.
- Ansar, S., Chatzikonstantinou, E., Thiagarajah, R., **Tritschler, L.**, Fatar, M., Hennerici, M.G., Mears, S., 2014. Pro-inflammatory mediators and apoptosis correlate to rt-PA response in a novel mouse model of thromboembolic stroke. *PLoS One* 9, e85849.
- Seminatore, C., Polentes, J., Ellman, D., Kozubenko, N., Itier, V., Tine, S., **Tritschler, L.**, Brenot, M., Guidou, E., Blondeau, J., Lhuillier, M., Bugi, A., Aubry, L., Jendelova, P., Sykova, E., Perrier, A.L., Finsen, B., Onteniente, B., 2010. The postischemic environment differentially impacts teratoma or tumor formation after transplantation of human embryonic stem cell-derived neural progenitors. *Stroke* 41, 153-159.
- **Tritschler, L.**, Saboureau, M., Pevet, P., Bothorel, B., 2006. A functional subdivision of the circadian clock is revealed by differential effects of melatonin administration. *Neurosci Lett* 396, 73-76.

- Lehmann, O., Jeltsch, H., Lazarus, C., **Tritschler, L.**, Bertrand, F., Cassel, J.C., 2002. Combined 192 IgG-saporin and 5,7-dihydroxytryptamine lesions in the male rat brain: a neurochemical and behavioral study. *Pharmacol Biochem Behav* 72, 899-912.