STATEMENTS
Belonging to the PhD thesis

Epigenetic regulation of BDNF-TrkB signaling in the pathophysiology and treatment of mood disorders

Fabien Boulle
Maastricht, 29th of November 2013

1 – The downregulation of BDNF-TrkB signaling in neuronal cells can leave stable epigenetic imprints on plasticity-related genes. (this thesis)

2 – Exposure to selective serotonin reuptake inhibitors (SSRIs) during early life can produce behavioral and neurobiological alterations that are persistent into adulthood. (this thesis)

3 – Repetitive stress of low intensity can induce diverse epigenetic modifications in the mouse hippocampus concomitant with a hyperactive phenotype. (this thesis)

4 – Neurotrophic signaling and associated neuroplasticity are necessary for the anxiolytic action of agomelatine. (this thesis)

5 – The vulnerability for behavioral disturbances in rats is highly gender dependent. (this thesis)

6 – “Research is to see what everybody else has seen, and to think what nobody else has thought.” (Albert Szent-Gyorgyi)

7 – “It is this potential for plasticity of the relatively stereotyped units of the nervous system that endows each of us with our individuality.” (Eric R. Kandel)

8 – “No amount of experimentation can ever prove me right; a single experiment can prove me wrong.” (Albert Einstein)

9 – An experiment that fails is nothing more than an experiment that needs further optimization.