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## Glucocorticoid signaling in a rat model of post-traumatic stress disorder

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Stellingen behorende bij dit proefschrift getiteld:

**Glucocorticoid signaling in a rat model of post-traumatic stress disorder**

1. The treatment with GR antagonists is a viable treatment strategy in PTSD, but optimal timing of the treatment is unclear. (This thesis, chapter 3).
2. The many changes that occur in the two weeks after SPS in rats complicate the interpretation in relation to PTSD patients (this thesis, chapter 2).
3. The enhancement of negative feedback on the HPA axis may extend to glucocorticoid sensitivity in the brain, and this is a likely factor in the development of PTSD. (This thesis, chapter 4).
4. The reduced body weight gain after glucocorticoid receptor antagonism in SPS but not control rats indicates different mechanisms to reach the same physiological setpoint, and as such is a prime example of allostasis (This thesis, chapter 2).
5. Disease models for PTSD ideally reflect the diversity in combination of symptoms that are seen in individual patients.
6. Although the perfect animal model for PTSD does not exist, fear memory abnormalities and HPA axis dysfunction make the SPS an acceptable model for the disease.
7. Because the control of HPA axis reactivity is critical for stress resilience, the glucocorticoid receptor is a potential target in many diseases.
8. The specific changes in the HPA axis and glucocorticoid signaling may be partially mediated by circadian disruption which represents a core feature of PTSD.
9. Life doesn't always give us the joys we want, we must accept finite disappointment, but we must never lose infinite hope ---after Martin Luther King.
10. 绳锯木断，水滴石穿---（宋）罗大经《鹤林玉露》。  
Constant dripping wears away a stone. Persistent effort can overcome any difficulty and achieve extraordinary accomplishments.