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**Author:** Chatzopoulou Chatzi, Antonia

**Title:** Unraveling the glucocorticoid receptor pathway in zebrafish

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## Curriculum vitae

Antonia Chatzopoulou Chatzi was born in 1980 in Athens, Greece. In 1998, she graduated from the 3<sup>rd</sup> Lyceum of Alimos, Athens and in 1999 she was admitted to the School of Biology at the University of Athens. During her BSc internship she studied the effect of insulin and oxidative stress on the signaling of MAP kinases and the transcription factor NF- $\kappa$ B on mammalian skeletal myoblasts under the supervision of Prof. Dr. C. Gaitanaki at the Human and Animal Physiology department at the University of Athens. In 2004, she obtained her BSc degree in Biology and in 2005 she was admitted to the MSc Neurosciences programme at the Free University of Amsterdam. Her first internship during her MSc study was done under supervision of Dr. S. Spijker at the Molecular and Cellular Neurobiology department at Free University, examining the effects of the antidepressant drug fluoxetine on specific brain regions of socially defeated rats, by means of gene expression profiling. Her second internship was conducted at the Medical Pharmacology department of Leiden University, under the supervision of Dr. O.C. Meijer and Dr. C. Fitzsimons, investigating how the specific composition of Glucocorticoid Response Elements of different Glucocorticoid Receptor-responsive genes account for different potency and efficacy upon steroid treatment. Her subsequent literature study focused on the synaptic inputs into the paraventricular nucleus that, during the stress response, regulate the Corticotrophin-Releasing Factor gene transcription, and was supervised by Dr. O.C. Meijer. In 2007 she obtained her MSc degree and in the same year she started her PhD training at the Molecular and Cell Biology department of Leiden University, under the supervision of Dr. M.J.M. Schaaf. In her project she explored the action and biological role of the Glucocorticoid Receptor  $\alpha$  and  $\beta$ -isoforms, employing the zebrafish model and applying transcriptome analysis.



## List of publications

- Schaaf, M.J., **Chatzopoulou, A.** & Spaink, H.P. 2009. The zebrafish as a model system for glucocorticoid receptor research. *Comp Biochem Physiol A Mol Integr Physiol*, 153, 75-82.
- Schoonheim, P.J., **Chatzopoulou, A.** & Schaaf, M.J. 2010. The zebrafish as an in vivo model system for glucocorticoid resistance. *Steroids*, 75, 918-25.
- **Chatzopoulou, A.**, Spaink, H.P. & Schaaf, M.J. Glucocorticoid-induced attenuation of the inflammatory response in zebrafish. *Manuscript in preparation*
- **Chatzopoulou, A.**, Spaink, H.P. & Schaaf, M.J. Characterization of the glucocorticoid receptor signaling in zebrafish using microarray analysis. *Manuscript in preparation*

