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## Causes and consequences of glucocorticoid variation in zebra finches

Jimeno Revilla, Blanca

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*List of  
publications*



- Montoya, B., Briga, M., Jimeno, B., Moonen, S., & Verhulst, S. (2018). Baseline glucose level is an individual trait that is negatively associated with lifespan and increases due to adverse environmental conditions during development and adulthood. *Journal of Comparative Physiology B*, 1-10.
- Jimeno, B., Briga, M., Hau, M., & Verhulst, S. (2018). Male but not female zebra finches with high plasma corticosterone have lower survival. *Functional Ecology*, 32(3), 713-721.
- Jimeno, B., Hau, M., & Verhulst, S. (2017). Strong association between corticosterone levels and temperature-dependent metabolic rate in individual zebra finches. *Journal of Experimental Biology*, 220(23), 4426-4431
- Jimeno, B., Briga, M., Verhulst, S., & Hau, M. (2017). Effects of developmental conditions on glucocorticoid concentrations in adulthood depend on sex and foraging conditions. *Hormones and Behaviour*, 93, 175-183.
- Briga, M., Koetsier, E., Boonekamp, J. J., Jimeno, B., & Verhulst, S. (2017). Food availability affects adult survival trajectories depending on early developmental conditions. *Proceedings of the Royal Society B* (Vol. 284, No. 1846, p. 20162287).
- Jimeno, B. & Gil, D. (2015): Parent-absent calls are related to nestling reaction time and parental food allocation in the spotless starling. *Behaviour* 152 (2015) 1413–1431.
- Jimeno, B., Muriel, J., Pérez-Rodríguez, L. & Gil, D. (2014): Sexual differences in parental investment in response to Parent-Absent calls. *Ethology* 120, 258–265.

### **Submitted**

- Jimeno, B., Hau, M., Verhulst, S. & Gómez-Díaz, E.: DNA methylation and expression levels in the glucocorticoid receptor gene are affected by developmental conditions and predict corticosterone responses in zebra finches.
- Jimeno, B., Hau, M. & Verhulst, S.: Glucocorticoid-temperature association is shaped by foraging environment in individual zebra finches.
- Jimeno, B., Hau, M. & Verhulst, S.: Corticosterone levels reflect variation in metabolic rate, independent of “stress”.
- Briga, M., Jimeno, B. & Verhulst, S.: Developmental and adult environment shape body mass aging trajectory independently of lifespan.

