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Neglected aspects of hormone mediated maternal effects

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Neglected aspects of hormone mediated maternal effects

Studies on early embryonic modulation of maternal hormonal signals in avian eggs and related methodological aspects

Neeraj Kumar



Max-Planck-Institut
für Ornithologie



The research reported in this thesis was carried out in the expertise group ‘Evolutionary Genetics, Development & Behaviour’ at the Groningen Institute for Evolutionary Life Sciences, in collaboration with the Max Planck Institute for Ornithology (Seewiesen, Germany), according to the requirements of the Graduate School of Science, Faculty of Science and Engineering, University of Groningen, The Netherlands.

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Neglected aspects of hormone mediated maternal effects

Studies on early embryonic modulation of maternal hormonal signals in avian eggs and related methodological aspects

PhD thesis

to obtain the degree of PhD at the
 University of Groningen
 on the authority of the
 Rector Magnificus Prof. C. Wijmenga
 and in accordance with
 the decision by the College of Deans.

This thesis will be defended in public on

Monday 2 December 2019 at 11.00 hours

by

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