

SEEWIESEN

LECTURE SERIES

FALL/WINTER/SPRING 2019/20

Max Planck Institute
for Ornithology

MAX PLANCK
GESELLSCHAFT



THURSDAY | March 19, 2020 | 13.00 | HOUSE 4 LECTURE ROOM

SIMON VERHULST

University of Groningen | Host: Hau Research Group

Corticosterone, Telomeres and Life Histories

Telomere length is a predictor of life span in humans and other species, raising the question how variation in telomere length arises. Because telomere length declines with age, telomere length at any time point is the outcome of telomere length at birth and subsequent telomere dynamics. I will discuss recent findings on both factors, with special attention to the role of corticosterone.

WHO IS SIMON VERHULST?

2009 – present Professor of the Evolutionary Biology of Ageing at the University of Groningen

SELECTED PUBLICATIONS

- Telomere Length, Mortality Trajectories and the Human Lifespan Limit. Arbeeve KG, Verhulst S, et al. 2020. JAMA Network Open, in press.
- Epigenetic inheritance of telomere length in wild birds. Bauch C, et al & Verhulst S. 2019. PLoS Genetics 15: e1007827.
- Immunosenescence in the wild: meta-analysis and outlook. Peters A, et al & Verhulst S. 2019. Ecology Letters 22: 1709-1722.
- Corticosterone levels reflect variation in metabolic rate independent of 'stress'. B Jimeno B, Hau M, Verhulst S. 2018. Scientific Reports 8: 13020.

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