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Sound investigation: effects of noise on marine animals across trophic levels

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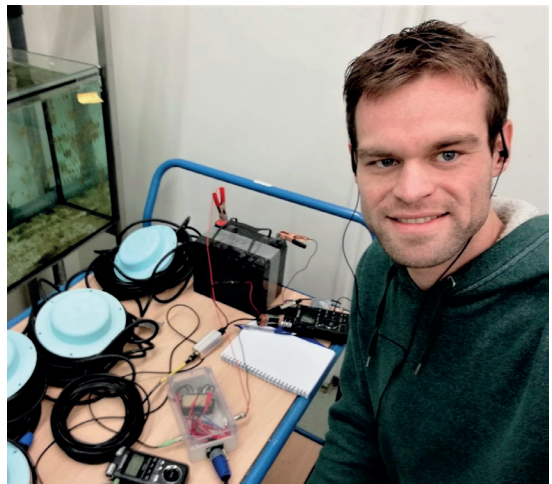
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Curriculum Vitae

Jeroen Hubert was born in 1991 in Zoetermeer, the Netherlands. He attended high school at Stedelijk College Zoetermeer and finished a HAVO programme in 2008. He received a Bachelor's degree in Animal Husbandry at the University of Applied Sciences Hogeschool Inholland Delft in 2012. He continued his education at Leiden University and obtained his Master's degree in Animal Sciences and Health in 2015.

During his Bachelor, he did two internships, one at bird park Avifauna, during which he set up the European Studbook for white-headed vultures. For his graduation internship at De Dierenbescherming, he developed methodology to assess the welfare of birds of prey in captivity. During his Master, he also did two research projects. For his first project he investigated the effects of sound on European seabass, with Dr. Errol Neo and Dr. Hans Slabbekoorn. For his second project, he studied the perception of rhythmic patterns in birds and humans, with Dr. Michelle Spierings and Prof. dr. Carel ten Cate.

After his Master, he fulfilled two sequential positions as a research assistant at the Behavioural Biology lab of Leiden University. First, he studied the perception of iambic-trochaic grouping of acoustic patterns in zebra finches, with Dr. Michelle Spierings and Prof. dr. Carel ten Cate. For the second position, he studied acoustic deterrence of European seabass with Dr. Errol Neo and Dr. Hans Slabbekoorn. All Master research projects and research assistantships resulted in peer-reviewed scientific papers. In 2017, he started his PhD-project on the effects of anthropogenic sound on marine animals. During his PhD, he conducted several scientific studies in the field as well as in the lab. He worked on a variety of species including European seabass, Atlantic cod, shore crabs, spider conches, and several bivalves, and worked in the Netherlands, Belgium and Saudi Arabia. He also participated in teaching in courses on behavioural biology and supervised various internships of both Bachelor and Master students. After his PhD, he will continue his academic career as Postdoctoral researcher at Leiden University to study pelagic fish ecology and deterrence in offshore wind farms.



Publications

Under review

Hubert, J., Booms, E., Witbaard, R., & Slabbekoorn, H. Blue mussels habituate to repeated sound exposures and respond just to the on-set of fast pulse trains.

Peer-reviewed articles

van der Knaap, I., Reubens, J., Thomas, L., Ainslie, M., Winter, H. V., **Hubert, J.**, Martin, B., & Slabbekoorn, H. (2021) Effects of a seismic survey on movement of free- ranging Atlantic cod. *Current Biology*, 31, 1–8. DOI:10.1016/j.cub.2021.01.050.

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Hubert, J., Wille, D. A., & Slabbekoorn, H. (2020). Exploring effects of sound on the time budget of fishes: An experimental approach with captive cod. In *Proceedings of Meetings on Acoustics* (Vol. 37, p. 010012). DOI:10.1121/2.0001253

Hubert, J., Neo, Y. Y., Campbell, J. A., & Slabbekoorn, H. (2016). Particle motion and pressure soundscape in outdoor vs indoor set-up. In *Proceedings of Meetings on Acoustics* (Vol. 27, p. 070007). DOI:10.1121/2.0000273

Popular article

Soudijn, F., **Hubert, J.**, van der Knaap, I. (2020). Herrie onder water. *Visionair*, 57, 38-41.

