



Think & Drink

# Predicting evolution: The dramatic transformation of a snail in less than three decades

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ISTA

Host:

In this talk, I will present how we assessed the predictability aspect of evolution in a 30-year transplant experiment in the marine snail *Littorina saxatilis*. In 1992, we collected ~700 individuals from a crab-predation dominated environment and relocated them to an uninhabited, crab-free islet exposed to strong waves. Three decades later, the introduced population has established itself, exhibiting significant morphological and genetic changes that deviate from the parental Crab ecotype and resemble the Wave ecotype. The observed evolutionary trajectory aligns with predictions we formulated based on knowledge of spatial variation among snail populations.

**Friday, February 7, 2025 04:00pm - 05:00pm**

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.