

## University of Groningen

### What lies beneath?

Janzen, Thijs

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*Document Version*  
Publisher's PDF, also known as Version of record

*Publication date:*  
2015

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*  
Janzen, T. (2015). *What lies beneath? How patterns in ecology and evolution inform us about underlying processes.* [S.n.].

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## Curriculum Vitae

Thijs Janzen was born on the 3<sup>rd</sup> of March 1985 in Amsterdam. He obtained his gymnasium diploma in 2003 at the Barleaus Gymnasium in Amsterdam. Thijs continued by studying biology at the Rijksuniversiteit Groningen (RUG), and obtained his MSc. in 2009. After his MSc, Thijs started as a temporary research assistant under the supervision of prof. Etienne, where he collaborated on the *Interface Focus* manuscript and laid the foundations for chapter 3 of this thesis. In the summer of 2010 Thijs joined the COCON group at the University of Groningen as a PhD student. In 2013 Thijs managed



to acquire two research grants, which allowed him to join the expedition of the university of Basel to Lake Tanganyika, Zambia, which resulted in chapter 2.

In January 2015, Thijs has started as a postdoctoral researcher at the Max Planck Institute for Evolutionary Biology in Plön, Germany, where he combines models and empirical data of hybridization dynamics on the genomic level in *Cottus* fish.

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### Publications

- Ruifrok, J.L., **Janzen, T.**, Kuijper, D.P.J., Rietkerk, M., Olf, H., Smit, C. (2015) Cyclical succession in grazed ecosystems: the importance of interactions between different-sized herbivores and different-sized predators. *Theoretical Population Biology*, in press.
- Janzen, T.**, Höhna, S. & Etienne, R.S. (2015) Approximate Bayesian Computation of diversification rates from molecular phylogenies: introducing a new efficient summary statistic, the nLTT *Methods in Ecology and Evolution*, in press.
- Van der Plas, F., **Janzen, T.**, Ordonez, A., Fokkema, W., Reinders, J., Etienne, R.S. & Olf, H. (2015) A new modeling approach quantifies the relative importance of different community assembly processes. *Ecology*, in press.
- Etienne, R. S., de Visser, S. N., **Janzen, T.**, Olsen, J. L., Olf, H., & Rosindell, J. (2012). Can clade age alone explain the relationship between body size and diversity? *Interface Focus*, 2(2), 170–179.

*Thesis chapters, to be published at a later stage:*

- Janzen, T.**, Alzate, A., Muschick, M., van der Plas, F. & Etienne, R.S. Stochastic processes dominate community assembly in cichlid communities at the shore of Lake Tanganyika, Zambia.
- Janzen, T.**, Haegeman, B. & Etienne, R.S. A sampling formula for ecological communities with multiple dispersal syndromes. *Journal of Theoretical Biology*. In review

Höhna, S., **Janzen, T.** & Etienne, R.S. Joint inference of phylogeny and diversification rates from molecular sequences does not outperform a 2-step approach.

**Janzen, T.** & Etienne, R.S. The role of habitat dynamics in driving diversification.

*Publications in non-scientific journals*

**Janzen, T.** Een bezoek aan het Tanganyikameer (2014), *Cichlidae*, tweemaandelijks periodiek van de Nederlandse Cichliden Vereniging 40(1) 11-17.

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### Software

STPCAM package for R, implementation of Stepwise Community Assembly Models (STPCAM), <http://cran.r-project.org/web/packages/STPCAM/index.html>

nLTT package for R, Calculates the normalized Lineage-Through-Time Statistic, given two phylogenetic trees. <http://cran.r-project.org/web/packages/nLTT/index.html>

GUILDS package for R, Implementation of sampling formulas for the unified neutral model of biodiversity and biogeography, with or without guild structure. <http://cran.r-project.org/web/packages/GUILDS/index.html>

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### Grants

2013 Schure-Beijerinck-Popping Fonds:

*"Inferring determinants of community assembly of Lake Tanganyika cichlid fish"*

2013 Gratama stichting:

*"De drijvende krachten in een aquatisch ecosysteem"*





