

CV

Curriculum vitae

Contact information

- Name: Richèl J.C. Bilderbeek
- Street: Nieuwstraat 77a
- ZIP code: 9724 KH
- City: Groningen
- Country: The Netherlands
- Telephone number: +31-(0)6-30008748
- E-mail: richel@richelbilderbeek.nl

Personal information

- Date of birth: the 2nd September of 1980
- Place of birth: Milsbeek, The Netherlands
- Gender: Male
- Homepage: <http://www.richelbilderbeek.nl>
- Nationality: Dutch

Education, work-related

Master's

Parameter	Value
University/College of Higher Education	University of Groningen
Faculty	Science and Engineering
Date of the certificate	August 2008
Main subject	Teaching Biology

Parameter	Value
University/College of Higher Education	University of Groningen
Faculty	University Centre for Learning & Teaching
Date of the certificate	August 2006
Main subject	Biology

Doctorate

Parameter	Value
University/College of Higher Education	University of Groningen

Parameter	Value
Date and place of (intended) doctoral degree as stated on your certificate	September 2020
Supervisor ('Promotor')	Rampal Etienne
Title of thesis	Speciation and the error we make in phylogenetic inference

International activities and extended periods of study/research abroad

- Bochum, Germany, MSc project, 6 months
- Bristol, England, MSc project, 3 months

Education

Period	Education	Diploma
2007-2008	University Centre for Learning & Teaching, Groningen	Yes
1999-2005	University of Groningen, Biology, focus on Theoretical Biology	Yes

Academic publications

- Etienne, Rampal S., Giovanni Laudanno, and Richèl JC Bilderbeek. "Quantifying the importance of an inference model in Bayesian phylogenetics." *bioRxiv* (2019).
- Bilderbeek, Richèl JC, and Rampal S. Etienne. "babette: BEAUti 2, BEAST2 and Tracer for R." *Methods in Ecology and Evolution* 9, no. 9 (2018): 2034-2040.
- van den Bogaart, Antoine CM, Richèl JC Bilderbeek, Harmen Schaap, Hans GK Hummel, and Paul A. Kirschner. "A computer-supported method to reveal and assess Personal Professional Theories in vocational education." *Technology, pedagogy and education* 25, no. 5 (2016): 613-629.

Professional publications

- Continuous integration with Travis CI: a guest blog post on Simplify C++
- Raising Your Code to Professional Standards: a free (that is, it can be read without paying) article for SDJournal. Also available at https://github.com/richelbilderbeek/sdj_raising_your_code_to_professional_standards
- Methods.blog post: The babette R Package: How to Sooth the Phylogenetic BEAST2

- rOpenSci blog post: Call BEAST2 for Bayesian evolutionary analysis from R

Podcast

- CppCast, ‘Travis CI’, 2017

Natural languages

Language	Writing	Speaking
Dutch	Good	Good
English	Good	Good
German	Fine	Fine

Programming languages

Language	Skill	Years of experience
C++	Good	20
R	Good	5

Peer-reviewed R packages I wrote and maintain

- <https://github.com/ropensci/babette>: Bayesian phylogenetics using BEAST2
- <https://github.com/ropensci/beastier>: Run BEAST2
- <https://github.com/ropensci/beautier>: Specify BEAST2 inference model
- <https://github.com/ropensci/tracerer>: Parse BEAST2 output

Academic R packages I wrote and maintain

- <https://github.com/ropensci/mauricer>: BEAST2 package management
- <https://github.com/richelbilderbeek/mcbette>: Bayesian phylogenetics model comparion
- <https://github.com/richelbilderbeek/mhcnpreds>: Look-up tables for MHC-I and MHC-II epitope prediction using MHCnuggets
- <https://github.com/richelbilderbeek/mhcnuggetsr>: MHC-I and MHC-II epitope prediction using MHCnuggets
- <https://github.com/richelbilderbeek/netmhc2pan>: MHC-II epitope prediction using NetMHCIIpan
- <https://github.com/richelbilderbeek/pirouette>: Bayesian phylogenetics robustness pipeline
- <https://github.com/richelbilderbeek/pureseqtmr>: membrane protein topology prediction using PureseqTM

- <https://github.com/richelbilderbeek/tmhmm>: membrane protein topology prediction using TMHMM

Academic supervision

MScs

- Jorik de Boer
- Kees Wesselink

BScs

- Joris Damhuis
- Jolien Gay
- Elles Jetten
- Dave Nijhuis
- Damian Over
- Femke Thon

Interns from secondary school

- Anne Hinrichs
- Marijn Meerveld
- Jeroen van Niemendal
- Jorn Prenger
- Mart Prenger
- Rijk van Putten
- Joshua van Waardenberg

Work experience

Ordered by ending date, then beginning date, most recent at top.

Period	Function
Jan 2014-present	Coordinator programming courses (voluntarily)
Sep 2018-present	Coordinator multiple programming teams (voluntarily)
Sep 2014-present	PhD
Oct 2018-present	Outreach: Skype a Scientist