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## Research interests

### Scientific expertise

- Population & conservation genetics
- Developing (individual-based) computer simulations
- Programming C/C++, NetLogo, Delphi

### ICT support

- Programming/modeling support and (daily) supervision of PhD and MSc students with theoretical projects
- ICT & administrative support of theoretical BSc and MSc courses
- Development & maintenance of websites and wikis for GELIFES, TRES & MEME

### Management support

- Datasteward GELIFES
- Pure coordinator GELIFES
- Member of the GELIFES Outreach and Communication Committee

### Other activities

- ArMiCo TRÈS
- NCP GELIFES

## Research outputs

### Structural equation modeling reveals determinants of fitness in a cooperatively breeding bird

Busana, M., Weissing, F. J., Hammers, M., Bakker, J., Dugdale, H. L., Raj Pant, S., Richardson, D. S., Burke, T. A. & Komdeur, J., 22-Apr-2022, In: Behavioral Ecology. 33, 2, p. 352-363 12 p.

### Consequences of fragmentation for the ability to adapt to novel environments in experimental *Drosophila* metapopulations

Bakker, J., van Rijswijk, M., Weissing, F. J. & Bijlsma, R., Apr-2010, In: Conservation Genetics. 11, 2, p. 435-448 14 p.

### Genetic diversity in experimental metapopulations

Bakker, J., 2008, s.n.. 176 p.

## Activities

### Data stewardship on the map: A study of tasks and roles in Dutch research institutes

Bakker, J. (Advisor), Elsenga, C. (Advisor) & Boxelaar, V. (Advisor)  
Apr-2019

### Mathematical Models in Ecology and Evolution 2011

van Doorn, S. (Member of scientific committee), Weissing, F. (Member of scientific committee), Etienne, R. (Member of scientific committee) & Bakker, J. (Member of scientific committee)  
Aug-2011

## Press/Media

### Data stewardship on the map: A study of tasks and roles in Dutch research institutes

Bakker, J., Elsenga, C. & Boxelaar, V.  
20/05/2019 → 23/05/2019  
2 items of Media coverage

## Datasets

### **Data for: Structural equation modeling reveals determinants of fitness in a cooperatively breeding bird**

Busana, M. (Contributor), Weissing, F. (Contributor), Hammers, M. (Contributor), Bakker, J. (Contributor), Dugdale, H. (Contributor), Raj Pant, S. (Contributor), Richardson, D. S. (Contributor), Burke, T. A. (Contributor) & Komdeur, J. (Contributor), DRYAD, 4-Nov-2021

DOI: 10.5061/dryad.jm63xsjc6 , <https://zenodo.org/record/5642446>

### **Data from: Structural equation modeling reveals determinants of fitness in a cooperatively breeding bird**

Busana, M. (Creator), Weissing, F. (Creator), Hammers, M. (Creator), Bakker, J. (Creator), Dugdale, H. (Creator), Raj Pant, S. (Creator), Richardson, D. S. (Creator), Burke, T. A. (Creator) & Komdeur, J. (Creator), University of Groningen, 4-Nov-2021

DOI: 10.5061/dryad.jm63xsjc6 , <https://datadryad.org/stash/dataset/doi:10.5061/dryad.jm63xsjc6>

### **code\_SEM\_reveals\_determinants\_of\_fitness\_in\_cooperatively\_breeding\_bird**

Busana, M. (Creator), Weissing, F. (Creator), Hammers, M. (Creator), Bakker, J. (Creator), Dugdale, H. (Creator), Raj Pant, S. (Creator), Richardson, D. S. (Creator), Burke, T. A. (Creator) & Komdeur, J. (Creator), University of Groningen, Apr-2021

[https://gitlab.com/michebio/code\\_sem\\_reveals\\_determinants\\_of\\_fitness\\_in\\_cooperatively\\_breeding\\_bird](https://gitlab.com/michebio/code_sem_reveals_determinants_of_fitness_in_cooperatively_breeding_bird)