

# Curriculum Vitae

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## a) Academic Qualifications

Degree	Institution	Year
PhD in Zoology	Stellenbosch University, South Africa	2017
MSc in Zoology	Stellenbosch University, South Africa	2013
BScHons in Zoology	Stellenbosch University, South Africa	2010
BSc in Biology	Stellenbosch University, South Africa	2009

## b) Academic and Professional Positions Held

Position	Institution/Organization	Duration
<b>Founder &amp; Co-director</b>	BiorteX, South Africa	2024 – Present
<b>Project Manager</b>	Horizon Europe MSCA-DN	2023 - Present
<b>Postdoctoral Research Fellow</b>	Laboratory of Evolutionary Ecology, University of Antwerp, Belgium	2021 - 2023
<b>Research Assistant</b>	Royal Museum for Central Africa, Belgium	2020 - 2021
<b>Volunteer Research Member</b>	Laboratory of Functional Morphology, University of Antwerp, Belgium	2019-2020
<b>Consolidoc Fellow</b>	Stellenbosch University, South Africa	2018

### c) Awards and Academic Achievements

Award/ Achievement Title	Organization/Funding Body	Year
University Research Fund (BOF) – Small Project	University of Antwerp	2022
NRF-RISA Grantholder-linked Funding	Stellenbosch University	2018
Consolidoc Funding	Stellenbosch University	2017
Full Travel Scholarship	8 <sup>th</sup> World Congress of Herpetology, Hangzhou, China	2016
New Voices in Science Finalist – Popular Article	Stellenbosch University	2015
Annual Research Meeting – Runner-Up: Best PhD Presentation	DST-NRF Centre of Excellence for Invasion Biology, Stellenbosch University	2015
International Honour Society Member	Golden Key	2014-
DST-NRF Centre of Excellence for Invasion Biology (C.I.B) PhD Scholarship	Stellenbosch University	2014-2016
Oral Presentation: Runner-Up	SEH 17 <sup>th</sup> European Congress of Herpetology, Veszprém, Hungary	2013
NRF Extended Funding (MSc)	Stellenbosch University	2013
NRF Scarce Skills Scholarship (MSc)	Stellenbosch University	2012

### d) Teaching and Academic Engagement

Role	Organization	Year
Molecular technician for the Belgian Hub	European Reference Genome Atlas (ERGA) project	2021-2023
Research assistant on the Human Impacts on Ecosystem Health and Resources of Lake Edward (HIPE) project	Department of Vertebrates: Ichthyology, Royal Museum for Central Africa, Belgium	2020
Editorial assistant for the book 'Invasion Dynamics' authored by Cang Hui & Dave Richardson	Centre for Invasion Biology, Stellenbosch University	2015-2016
Molecular lab assistant to Dr. Corinna S. Bazelet	Dept. of Conservation & Entomology, Stellenbosch University	2013-2014

Molecular Lab Assistant to Prof. Savel R. Daniels	Dept. of Botany & Zoology, Stellenbosch University	2013
Field Assistant: BSc Zoology (Zoo 334) Data Collection	Stellenbosch University	2012
Demonstrator: BSc Biodiversity & Ecology (BDE 254)	Stellenbosch University	2012
Tutor: BSc Natural Sciences	Stellenbosch University	2011-2014
Guest Lecturer: BSc Statistics Course (Bio 212)	Stellenbosch University	2011-2012
Demonstrator: BSc Cell Biology Course (Bio 124)	Stellenbosch University	2010-2013
Demonstrator: BSc Statistics Course (Bio 212)	Stellenbosch University	2010-2013
Demonstrator: BSc Biodiversity & Ecology Course (Bio 144)	Stellenbosch University	2010-2012
Demonstrator: BSc Functional Biology Course (BIO 154)	Stellenbosch University	2009-2012

### e) Conference Presentations and Guest Lectures

Role in presentation	Host/ Organized by	Year
Webinar Speaker	Agilent Technologies	2022
Biology Seminar Speaker	Clarkson University, United States of America	2021
Oral Presentation	8th World Congress of Herpetology, Hangzhou, China	2016
Oral Presentation	Aquatic Biodiversity and Ecosystem Conference, Liverpool, United Kingdom	2015
Oral Presentation	17th European Congress of Herpetology, Vespem, Hungary	2013
Poster Presentation	2 <sup>nd</sup> International Mediterranean Conference of Herpetology, Marrakesh, Morocco	2011
Poster Presentation	Zoological Society of South Africa (ZSSA) Conference, Stellenbosch, South Africa	2011

## f) Community Engagement

What	Host/ Organized by	Year
Vice-chair	Swellendam Bewarea Conservancy (SBC)	2025-
Research Article: Showcasing Research Excellence 2018	Stellenbosch University, South Africa	2018
Website article: News nugget entitled Sleeping with the enemy: freshwater invaders hybridising in South African waters	Centre for Excellence in Invasion Biology (C.I.B) web page	2018
Website article: Highlighted article entitled Genetic diversity through space and time: Insights from the invasive smallmouth bass	Centre for Excellence in Invasion Biology (C.I.B) web page	2018
Research Article: Showcasing Research Excellence 2016	Stellenbosch University, South Africa	2017
Popular Article	New Voices in Science, Stellenbosch University	2015
Winter Week Presenter	Department of Botany & Zoology, Faculty of Science, Stellenbosch University	2011
Participant	National Science Week; Cape Town	2010

## g) Scientific Publications

1. Pontente, G., Yousefi, N., Choudhury, R.R., Grob, S., Gavrilina, I.A., Keller, B., Mora-Carrera, E., Szövényi, P., Stubbs, R.L., Weiss-Schneeweiss, H., Temsch, E.M., Schneeweiss, G.M., Hoffmann, M.H., Formenti, G., Mc Cartney, A.M., Mouton, A., Leitão, H.G., **Diedericks, G.**, Svardal, H., Diroma, M.A., Natali, C., Ciofi, C., Léveillé-Bourret, E., Conti, E. Distinct genomic architectures but the same gene underlie the convergent evolution of a plant supergene. bioRxiv 2025.10.01.679701; doi: <https://doi.org/10.1101/2025.10.01.679701>
2. Massa, P., Leitão, H.G., Manousaki, T., Cariani, A., Svardal, H., Tsaparis, D., Cannas, R., Zane, L., De Pooter, T., Spedicato, M.T., Strazisar, M., Ciofi, C., Ferrari, A., **Diedericks, G.**, Diroma, M.A., Formenti, G., Ivanova, P., Mc Cartney, A., Mouton, A., Natali, C., Marino, I.A.M., Tsigenopoulos, C.S. Genomic Insights into the Population Structure and Adaptive Variation of *Mullus barbatus* in the Mediterranean Sea (2025). *BMC Ecology and Evolution* 25,101 <https://doi.org/10.1186/s12862-025-02443-2>

3. Rödin-Mörch, P., Bunikis, I., Choi, E., Ciofi, C., **Diedericks, G.**, Diroma, M.A., Einarsdóttir, E., Försäter, K., Heintz, J., Jonsäll, L., Lantz, H., Laurila, A., Leitão, H.G., Mosbech, M.B., Natali, C., Olsen, R.E., Pettersson, O.V., Soler, L., Svardal, H., Proux-Wéra, E., Höglund, J. (2025). A chromosome-level genome assembly of the European green toad (*Bufo viridis*). *G3: Genes, Genomes, Genetics* 15 (3), jkaf002
4. Kurta, K., Fedi, M.O., Baker, K., Barker, T., Catchpole, L., Ciofi, C., Cocco, A., **Diedericks, G.**, Diroma, M.A., Hindar, K. et al. (2025). Whole genome sequencing reveals how plasticity and genetic differentiation underlie sympatric morphs of Arctic charr. *Molecular Ecology* 34 (19), e70085. DOI: 10.1101/mec.70085
5. Marques, J.P., Alves, P.C., Amorim, I.R., Lopes, R.J., Moura, M., Myers, E., Sim-Sim, M., Sousa-Santos, C., Alves, M.J., Borges, P.A., Brown, T., Carneiro, M., Carrapato, C., Cerfaco, L.M.P., Ciofi, C., da Silva, L.P., **Diedericks, G.**, Diroma, M.A., Farelo, L., Formenti, G., Gil, F., Grilo, M., Iannucci, A., Leitão, H.G., Máguas, C., Mc Cartney, A.M., Mendes, S.L., Moreno, J.M., Morselli, M., Mouton, A., Natali, C., Pereira, F., Rego, R.M.C., Resendes, R., Roxo, G., Svardal, H., Trindade, H., Vicente, S., Winkler, S., Alvarenga, M., Amaral, A.J., Antunes, A., Campos, P.F., Canário, A.V.M., Castilho, R., Castro, L.F.C., Crottini, A., Cunha, M.V., Themudo, G.E., Esteves, P.J., Faria, R., Fernandes, R.C., Ledoux, J.B., Louro, B., Magalhaes, S., Paulo, O.S., Pearson, G., Pimenta, J., Pina-Martins, F., Santos, T.L., Serrão, E., Melo-Ferreira, J., and Sousa, V.C. (2024). Building a Portuguese coalition for biodiversity genomics. *npj Biodiversity* 3: 27. DOI: 10.1038/S44185-024-00061-7
6. Mc Cartney, A.M., Formenti, G., Mouton, A., De Panis, D., Marins, L.S., Leitão, H.G., **Diedericks, G.**, Kirangwa, J., Morselli, M., Salces-Ortiz, J., Escudero, N., Iannucci, A., Natali, C., Svardal, H., Fernández, R., De Pooter, T., Joris, G., Strazisar, M., Wood, J.M.D., Herron, K.E., Seehausen, O., Watts, P.C., Shaw, F., Davey, R.P., Minotto, A., Fernández, J.M., Böhne, A., Alegria, C., Alioto, T., Alves, P.C., Amorim, I.R., Aury, J.M., Backstrom, N., Baldrian, P., Baltrunaite, L., Barta, E., BedHom, B., Belser, C., Bergsten, J., Bertrand, L., Bilandija, H., Binzer-Panchal, M., Bista, I., Blaxter, M., Borges, P.A.V., Dias, G.B., Bosse, M., Brown, T., Bruggmann, R., Buena-Atienza, E., Burgin, J., Buzan, E., Cariani, A., Casadei, N., Chiara, M., Chozas, S., Čiampor Jr. F., Crottini, A., Cruaud, C., Cruz, F., Dalen, L., De Biase, A., del Campo, J., Delic, T., Dennis, A.B., Derks, M.F.L., Diroma, M.A., Djan, M., Duprat, S., Eleftheriadi, K., Feulner, P.G.D., Flot, J.F., Forni, G., Fosso, B., Fournier, P., Fournier-Chambrillon, C., Gabaldon, T., Garg, S., Gissi, C., Giupponi, L., Gomez-Garrido, J., González, J., Grilo, M.L., Grüning, B., Guerin, T., Guiglielmoni, N., Gut, M., Haesler, M.P., Hahn, C., Halpern, B., Harrison, P.W., Heintz, J., Hindrikson, M., Höglund, J., Howe, K., Hughes, G.M., Istace, B., Cock, M.J., Janžekovič, F., Jonsson, Z.O., Joye-Dind, S., Koskimäki, J.J., Krystufek, B., Kubacka, J., Kuhl, H., Kusza, S., Labadie, K., Lähteenaro, M., Lantz, H., Lavrinienko, A., Leclère, L., Lopes, R.J., Madsen, O., Magdelenat, G., Magoga, G., Manousaki, T., Mappes, T., Marques, J.P., Redondo, G.I.M., Maumus, F., McCarthy, S.A., Megens, H.A., Melo-Ferreira, J., Mendes, S.L., Montagna, M., Moreno, J., Mosbech, M., Moura, M., Musilova, Z., Myers, E., Nash, W.J., Nater, A., Nicholson, P., Niell, M., Nijland, R., Noel, B., Noren, K., Oliveira, P.H., Olsen, R., Ometto, L., Oomen, R.A., Ossowski, S., Palinauskas, V., Palsson, S., Panibe, J.P., Pauperio, J., Pavlek, M., Payen, E., Pawlowska, J., Pellicer, J., Pesole, G., Pimenta, J.,

- Pippel, M., Pirttilä, A.M., Poulakakis, N., Rajan, J., Rego, R.M.C., Resendes, R., Resl, P., Riesgo, A., Rodin-Morch, P., Soares, A.E.R., Rodriguez Fernandes, C., Romeiras, M.M., Roxo, G., Rüber, L., Ruiz-Lopez, M.J., Saarma, U., da Silva, L.P., Sim-Sim, M., Soler, L., Sousa, V.C., Sousa Santos, C., Spada, A., Stefanovic, M., Steger, V., Stiller, J., Stöck, M., Struck, T.H., Sudasinghe, H., Tapanainen, R., Tellgren-Roth, C., Trindade, H., Tukalenko, Y., Urso, I., Vacherie, B., Van Belleghem, S.M., Van Oers, K., Vargas-Chavez, C., Velickovic, N., Vella, N., Vella, A., Vernesi, C., Vicente, S., Villa, S., Vinnere Pettersson, O., Volckaert, F.A.M., Voros, J., Wincker, P., Winkler, S., Ciofi, C., Waterhouse, R.M. and Mazzoni, C.J. (2024). The European Reference Genome Atlas: piloting a decentralised approach to equitable biodiversity genomics. *npj Biodiversity* 3: 28. DOI: 10.1038/s44185-024-00054-6
7. Leitão, H.G., **Diedericks, G.**, Broeckhoven, C., Baeckens, S. and Svardal, H. (2023). Chromosome-level genome assembly of the cape cliff lizard (*Hemicordylus capensis*). *Genome Biology and Evolution* 15: evad001. DOI: 10.1093/GBE/EVAD001
  8. **Diedericks, G.**, Broeckhoven, C., von der Heyden, S., Weyl, O.L. and Hui, C. (2022). The Role of Directed Dispersal in Driving Genetic and Morphological Structure in Invasive Smallmouth Bass. *Frontiers in Ecology and Evolution* 9: 790829. DOI: 10.3389/FEVO.2021.790829
  9. **Diedericks, G.**, Maetens, H., Van Steenberge, M. and Snoeks, J. (2021). Testing for hybridization between Nile tilapia (*Oreochromis niloticus*) and blue spotted tilapia (*Oreochromis leucostictus*) in the Lake Edward system. *Journal of Great Lakes Research* 47: 1446-1452. DOI: 10.1016/j.jglr.2021.06.005
  10. **Diedericks, G.**, Henriques, R., von der Heyden, S., Weyl, O.L.F. and Hui, C. (2018). The ghost of introduction past: Spatial and temporal variability in the genetic diversity of invasive smallmouth bass. *Evolutionary Applications* 11: 1609-1629. DOI: 10.1111/eva.12652
  11. **Diedericks, G.**, Henriques, R., von der Heyden, S., Weyl, O.L.F. and Hui, C. (2018). Sleeping with the enemy: Introgressive hybridisation in two invasive Centrarchids. *Journal of Fish Biology* 93: 405-410. DOI: 10.1111/jfb.13730
  12. Broeckhoven, C., **Diedericks, G.**, Hui, C., Makhubo, B.G. and Mouton, P. le F.N. (2016). Enemy at the gates: rapid defensive trait diversification in an adaptive radiation of lizards. *Evolution* 70: 2647-2656. DOI: 10.1111/evo.13062
  13. Minoarivelo, H.O., **Diedericks, G.** and Hui, C. (2015). An introduction to phylogenetic analyses and modelling in ecology. *Computational Ecology and Software* 5: 328-339.
  14. Broeckhoven, C., **Diedericks, G.**, and Mouton, P. le F. N. (2015). What doesn't kill you might make you stronger: functional basis for variation in body armour. *Journal of Animal Ecology* 84: 1213-1221. DOI: 10.1111/1365-2656.12414

15. Robinson, T.J., Černohorská, H., **Diedericks, G.**, Duran Puig, A. and Matthee, C.A. (2014). Phylogeny and vicariant speciation of the Grey Rhebok, *Pelea capreolus*. *Heredity* 1-8. DOI: 10.1038/hdy.2013.108
16. **Diedericks, G.** and Daniels, S.R. (2014). Ain't no mountain high enough, ain't no valley low enough? Phylogeography of the rupicolous Cape girdled lizard (*Cordylus cordylus*) reveals a generalistic pattern. *Molecular Phylogenetics and Evolution* 71: 234-248. DOI: 10.1016/j.ympev.2013.10.015