

C.V. Anthony Herrel

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Education

1992 - Master (Licentiaat) Biology: University of Antwerp, *advisor*: Frits De Vree. *Thesis title*: A functional morphological analysis of feeding behavior in the lizard *Agama stellio*, 7/07/1992.
1992 - Teaching certificate upper secondary school (geaggregeerde voor het hoger secundair onderwijs, agrégé de l'enseignement secondaire supérieur), University of Antwerp, 8/07/1992.
1998 - PhD: University of Antwerp, *advisor*: Frits De Vree. *Thesis title*: Lizard herbivory, a functional morphological approach, 20/02/1998.
2011 - HDR: Université Paris-Sud 11, Orsay, 23/02/2011.

Positions

1998-2007, postdoctoral researcher Fund for Scientific Research Flanders, Belgium (FWO-VI).
1999-2000, postdoctoral researcher in the Lab. of Dr. K. Nishikawa (Northern Arizona University).
2001-2002, postdoctoral researcher in the Lab. of Dr. D. Irschick (Tulane University).
2008, postdoctoral researcher in the Lab of Dr. J.B. Losos (Harvard University).
01/2009 - 09/2015, Chargé de Recherche (CR1) at the French CNRS based at the Museum National d'Histoire Naturelle (UMR7179).
10/2015 - 09/2019, Directeur de Recherche (DR2) at the French CNRS based at the Museum National d'Histoire Naturelle (UMR7179).
10/2019 - present, Directeur de Recherche (DR1) at the French CNRS based at the Museum National d'Histoire Naturelle (UMR7179)

Appointments

01/2023 - present, Research associate, Naturhistorisches Museum Bern, Switzerland.
02/2008 - present, Research associate, University of Antwerp.
10/2015 - present, Research associate, Ghent University.
05/2016 - 12/2019, Responsable scientifique et technique du Labex BCDiv.
01/2020 - present, Responsable de l'initiative Biodiversité, Evolution, Ecologie, Société (IBEES; Alliance Sorbonne Université).

Awards:

2007 - Society for Experimental Biology President's Medal; 2012 - Prime d'excellence scientifique du CNRS; 2019 - Biodiversa prize for Excellence and Impact for the INVAXEN project.

Selected recent grants: 8+ million Euro total.

2025 - grant from the CNRS 80 Prime 2025: 120k (co-PI, PI: E. Heude IGFL Lyon) Perspectives développementales et morphofonctionnelles intégrées pour comprendre l'évolution de la région cervicale des mammifères.
2024 - PhD grant from the DIM PAMIR ([Predart](#)): 100kEuro (PI, co-PI E. Robert) Prey and predators, the art of Upper Palaeolithic hunters: graphical and anatomical analysis.
2023 - BBSRC grant: £438,622 (co-PI, PI Jen Bright, Hull University, U.K.). Understanding functional performance in bird skulls: advanced computational modelling to investigate cranial biomechanics and kinesis.
2023 - SOUND.AI program funding for PhD student: 125kEuro (PI, co-PI R. Cornette) Museum collections as a source for artificial-intelligence based species identification: have invasive species driven the evolutionary trajectory of endemic frogs in the French Antilles?
2023 - Marie Curie HORIZON-MSCA-2022-PF-01: 200 kEuro (PI, co-PI R. Allemand; NeuroSquam)
2023 - Marie Curie HORIZON-MSCA-2022-PF-01: 195.9 kEuro (PI, co-PI N. Mohanty; SLEEPCHANGE)

Peer-reviewed publications: 596; H-index (Google Scholar): 86, 28643 citations.

Editor for: Journal of Zoology (Senior Editor), The Herpetological Journal (Associate), Functional Ecology (Associate), Zookeys (Branch editor: Functional anatomy of reptiles and amphibians), Editorial board member, Journal of Morphology.

Organisation of: 21 symposia and scientific meetings; 101 invited presentations and reviewer for 96 journals and member of 55 PhD and HDR juries.

Grant reviewer for: Agence National de Recherche, France (ANR), Australian Research Council, Australia (ARC), Deutsche Forschungsgemeinschaft (DFG), Estonian Research Council, Estonia, Natural Environment Research Council, U.K. (NERC), National Geographic Society (NGS), National Science Foundation, USA (NSF), Netherlands Organisation for Scientific Research, the Netherlands (NWO), Réseau de recherche sur le développement soutenable (R2DS) - région Ile-de-France, Romanian Research Foundation, Romania, The Leverhulme Trust (Research Project Grant), the Royal Society, U.K. (University Research Fellowship scheme and Newton international fellowships); United States - Israel Binational Science Foundation (BSF)

Teaching:

- Lecturer master 1, MNHN (SEP- NU937): Bases de morphologie fonctionnelle. 24h. Yearly.
- Travail en mode projet, module du tronc commun (TC1 - TD), master 1, MNHN. 11h. 2019-present.
- Anatomie de l'appareil venimeux des serpents et Biologie et comportement des serpents. Module AVV, venimologie générale, Cours Muséum. 4.5h. 2019-present.
- Formation continue Muséum, Formation à l'utilisation d'animaux de la faune sauvage non hébergée a fins scientifiques (TP + cours). 12h. 2018-present.
- Formation certificat de capacité - Ferme tropicale. Biologie des caméléons. 3h. 2019-present.
- Institut de formation en Masso Kinésithérapie de l'Est Francilien, Comparaison différentes bipédies humaines évolution et diversité (UE12A). 3h. 2021 - present.
- Cours ED227: 'How to write a successful grant application'. 35h. 2022-present

Students supervised: 21 Postdoctoral researchers, 34 PhD students, 202 master and undergraduate students.

Outreach (selected recent contributions):

- I was one of the scientific advisors of the temporary exhibition 'déserts' at the MNHN.
- Participated to an episode of [Evolution Earth](#). Five part documentary series co-produced by PBS and ARTE illustrating how natural system are impacted by humans and how organisms respond. Features our research on lizards and hurricanes. 2023.
- Scientific advisor for Le Grand carnaval des caméléons Documentary on the biology of chameleons (52 min., directed by Paul Terrel) - ARTE. 2023
- Pit Bulls: Bad to the Bone? Participated in the 'Science Vs' podcast to discuss our results on bite force in dogs. 2023
- Cataclysmes Participated to this documentary while discussing my research on the impact of hurricanes on lizards. 2021
- Biomim'lab show Demonstration of principles of adhesion in nature and the resulting bio-inspired designs at the expo for bioinspired design. 2021