

# SANDRA GOUTTE

(She/her/hers)  
October 30, 2023

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## RESEARCH INTERESTS

I am an evolutionary biologist broadly interested in trait evolution. My research integrates behavioral ecology, phylogenetics, and genomics to explore the forces that shape the biological diversity we observe in nature. I combine both field- and lab-based studies with phylogenetic comparative analyses to understand how environmental factors interact with organisms' intrinsic properties to drive phenotypic evolution.

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## EDUCATION

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| <b>Ph.D. Evolutionary Biology</b> , with distinction<br><i>Muséum National d'Histoire Naturelle, Paris, France.</i><br>Thesis advisors: Pr. Alain Dubois and Dr. Frédéric Legendre. | 2014 |
| <b>M.Sc. Ecology</b> , with honors<br><i>École Normale Supérieure de Paris, France.</i>   | 2010 |
| <b>B.Sc. (French Licence) Cellular and Molecular Biology</b><br><i>École Normale Supérieure de Lyon, France.</i>  | 2007 |

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## RESEARCH EXPERIENCE

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| <b>Research Associate</b><br><i>New York University Abu Dhabi, United Arab Emirates.</i><br>Supervision: Pr. Stéphane Boissinot. <ul style="list-style-type: none"><li>- Used genomics and transcriptomics to determine the genetic basis of colors and color patterns in a grass frog.</li><li>- Conducted broad phylogenetic comparative analyses at the order level and revealed selective pressure on a color pattern in anurans.</li><li>- Used museomics to reconstruct phylogenies of century-old type specimens and resolve the taxonomy of two anuran species complexes.</li><li>- Used morphometrics and bioacoustics to described and re-describe 14 new or problematic species of Ethiopian frogs.</li></ul> | 2019 - present |
| <b>Postdoctoral Associate</b><br><i>New York University Abu Dhabi, United Arab Emirates.</i><br>Supervision: Pr. Stéphane Boissinot. <ul style="list-style-type: none"><li>- Led acoustic recording and sampling campaigns in Ethiopia, the UAE and Panama.</li><li>- Led an international collaboration with biology, physics and chemistry laboratories in Brazil, France and the United Arab Emirates to characterize extreme bone fluorescence in pumpkin toadlets (genus <i>Brachycephalus</i>).</li></ul>  | 2018 - 2019    |
| <b>Bio-acoustician</b><br><i>The Sound library. Muséum National d'Histoire Naturelle, Paris, France.</i> <ul style="list-style-type: none"><li>- Contributed to building a sound library and conducted analyses of anurans audio recordings.</li></ul>   | 2017           |
| <b>Postdoctoral Fellow</b><br><i>Universidade Estadual de Campinas, São Paulo, Brazil.</i><br>Supervision: Dr. Felipe Toledo. <ul style="list-style-type: none"><li>- Led an international collaboration with laboratories in Brazil, the UK, Denmark, and France to use various experimental techniques to study hearing in pumpkin toadlets (genus</li></ul>   | 2014 - 2016    |

*Brachydephalus*): laser Doppler vibrometry experiments, Auditory Brainstem Response tests, and tridimensional reconstruction of cellular structures based on Computed Tomography and serial histological section images.

- Conducted field acoustic recordings and behavioral experiments in Brazil.

#### Ph.D. researcher

2010 - 2014

*Muséum National d'Histoire Naturelle, Paris, France.*

Supervision: Pr. Alain Dubois and Dr. Frédéric Legendre.

Thesis title: Phylogeny and evolution of vocalizations in a frog family: are torrent ranids advertisement calls adaptive?

- Conducted field acoustic recording and sampling campaigns in Indonesia, Malaysia, China and Cambodia.
- Reconstructed the molecular phylogeny for the anuran family Ranidae and retraced the evolution of their sexual signals.

#### PEER REVIEWED PUBLICATIONS

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- 2023 Lyra ML, Kirchhof S, **Goutte S**, Kassie A, Boissinot S. Crossing the Rift valley: using complete mitogenomes to infer the diversification and biogeographic history of Ethiopian Highlands *Ptychadena* (Anura: Ptychadenidae). *Frontiers in Genetics*. vol. 14. [doi.org/10.3389/fgene.2023.1215715](https://doi.org/10.3389/fgene.2023.1215715)
- 2023 Kassie A, Simegn AB, Bogale BA, **Goutte S**, Boissinot S. Diversity, Distribution, and Habitat Association of Anuran Species from Keffa, Southwest Ethiopia. *Diversity* 15(2): 300. [doi.org/10.3390/d15020300](https://doi.org/10.3390/d15020300).
- 2022 **Goutte S**, Hariyani I, Utzinger KD, Bourgeois Y, Boissinot S. Genomic analyses reveals association of *ASIP* with a recurrently-evolving color pattern in frogs. *Molecular Biology and Evolution* 39(11): msac235. [doi.org/10.1093/molbev/msac235](https://doi.org/10.1093/molbev/msac235)
- 2022 **Goutte S**, Reyes-Velasco J, Kassie A, Boissinot S. Mitogenomics of historical type specimens clarifies the taxonomy of the Ethiopian *Leptopelis gramineus* species complex (Anura: Arthroleptidae). *Zookeys* 1128: 63–97. [doi.org/10.3897/zookeys.1128.82176](https://doi.org/10.3897/zookeys.1128.82176)
- 2021 Reyes-Velasco J\*, **Goutte S\***, Freilich X, Boissinot S. Mitogenomics of historical type specimens clarifies the taxonomy of Ethiopian *Ptychadena* (Anura: Ptychadenidae) *Zookeys* 1070:135-149. [doi.org/10.3897/zookeys.1070.66598](https://doi.org/10.3897/zookeys.1070.66598) \*joint first authorship
- 2021 **Goutte S**, Reyes Velasco J, Freilich X, Kassie A, Boissinot S. Taxonomic revision of grass frogs (Ptychadenidae, *Ptychadena*) endemic to the Ethiopian highlands. *Zookeys* 1016:77-141. [doi.org/10.3897/zookeys.1016.59699](https://doi.org/10.3897/zookeys.1016.59699)
- 2020 Muñoz MI\*, **Goutte S\***, Ryan MJ, Halfwerk W. Environmental and morphological constraints interact to drive the evolution of communication signals in frogs. *Journal of Evolutionary Biology* 33(12): 1749-1757. [doi.org/10.1111/jeb.13713](https://doi.org/10.1111/jeb.13713) \*joint first authorship
- 2020 Kime N, **Goutte S**, Ryan MJ. Arginine vasotocin affects vocal behavior but not selective responses to conspecific calls in male túngara frogs. *Hormone and Behavior* 128: 104891. [doi.org/10.1016/j.yhbeh.2020.104891](https://doi.org/10.1016/j.yhbeh.2020.104891)
- 2020 **Goutte S**, Muñoz MI, Ryan MJ, Halfwerk W. Floating frogs sound larger: environmental constraints on signal production drives call frequency changes. *The Science of Nature* 107: 41. [doi.org/10.1007/s00114-020-01697-8](https://doi.org/10.1007/s00114-020-01697-8)
- 2020 Tonini JF, Provete DB, Maciel NM, Ribeiro Morais A, **Goutte S**, Toledo LF, Pyron RA. Allometric escape from acoustic constraints is rare for frog calls. *Ecology and Evolution* 10(8): 3686-3695. [doi.org/10.1002/ece3.6155](https://doi.org/10.1002/ece3.6155)

- 2019 **Goutte S**, Mason MJ, Antoniazzi MM, Jared C, Merle D, Cazes L, Toledo LF, el-Hafci H, Pallu S, Portier H, Schramm S, Gueriau P, Thoury M. Intense bone fluorescence reveals hidden patterns in pumpkin toadlets. *Scientific Reports* 9: 5388. [doi.org/10.1038/s41598-019-41959-8](https://doi.org/10.1038/s41598-019-41959-8)
- 2019 **Goutte S**, Reyes-Velasco J, Boissinot S. A new species of puddle frog from an unexplored mountain in southwestern Ethiopia (Anura, Phrynobatrachidae, *Phrynobatrachus*). *ZooKeys* 824: 53–70. [doi.org/10.3897/zookeys.824.31570](https://doi.org/10.3897/zookeys.824.31570)
- 2019 Halfwerk W, Blaas M, Kramer L, Hijner N, Trillo PA, Bernal XE, Page RA, **Goutte S**, Ryan MJ, Ellers J. Adaptive changes in sexual signalling in response to urbanization. *Nature Ecology & Evolution* 3: 374. [doi.org/10.1038/s41559-018-0751-8](https://doi.org/10.1038/s41559-018-0751-8)
- 2018 Desutter-Grandcolas L, Hugel S, **Goutte S**, Robillard T. Reflections on the growing use of sounds in systematics and synecology: why an acoustic signal cannot become an onomatophore. *Bionomina* 13: 28–36. [doi.org/10.11646/bionomina.13.1.2](https://doi.org/10.11646/bionomina.13.1.2)
- 2017 **Goutte S**, Dubois A, Howard SD, Marquez R, Rowley J, Dehling M, Grandcolas P, Rongchuan X, Legendre F. How the environment shapes animal signals: a test of the Acoustic Adaptation Hypothesis. *Journal of Evolutionary Biology* 31(1): 148-158. [doi.org/10.1111/jeb.13210](https://doi.org/10.1111/jeb.13210)
- 2017 **Goutte S**, Mason M, Christensen-Dalsgaard J, Montealegre-Z F, Chivers BD, Sarria-S F, Antoniazzi M, Jared C, Almeida Sato L, Toledo LF. Evidence of auditory insensitivity to vocalisation frequencies in two frogs. *Scientific Reports* 7:12121. <http://doi.org/10.1038/s41598-017-12145-5>
- 2017 **Goutte S**, Ahmad Sah H, Grafe TU. Environmental correlates of species richness and composition of riparian anuran communities in rainforests of north- western Borneo: a metacommunity perspective. *The Herpetological journal* 26: 25-32.
- 2016 Mota MS, dos Reis JC, **Goutte S**, Santanché A. Multiscaling a Graph-based Dataspace. *Journal of Information and Data Management* 7(1): 1-16.
- 2016 **Goutte S**, Dubois A, Howard SD, Marquez R, Rowley J, Dehling M, Grandcolas P, Rongchuan X, Legendre F. Environmental constraints and call evolution in torrent-dwelling frogs. *Evolution* 70(4): 811-826. [doi.org/10.1111/evo.12903](https://doi.org/10.1111/evo.12903)
- 2015 Mota MS, dos Reis JC, **Goutte S**, Santanché A. Multiscale Dataspace for Organism-centric Analysis. *Anais do XXX Simpósio Brasileiro de Banco de Dados*.
- 2014 **Goutte S**. Phylogeny and evolution of vocalizations in a frog family: are torrent rapid advertisement calls adaptive? Ph.D. thesis.
- 2013 **Goutte S**, Dubois A, Legendre F. The importance of ambient sound level to characterise anuran habitat. *PLoS ONE* 8(10): e78020. [doi.org/10.1371/journal.pone.0078020](https://doi.org/10.1371/journal.pone.0078020)
- 2012 Marshall MC, Binderup AJ, Zandonà E, **Goutte S**, Bassar RD, El-Sabaawi R., Thomas SA, Flecker AS, Kilham SS, Reznick DN, Pringle CM. Effects of consumer interactions on benthic resources and ecosystem processes in a neotropical stream. *PLoS ONE* 7(9): e45230. [doi.org/10.1371/journal.pone.0045230](https://doi.org/10.1371/journal.pone.0045230)
- 2010 **Goutte S**, Kime NM, Argo TF and Ryan MJ. Calling strategies of male túngara frogs in response to dynamic playback. *Behaviour* 147: 65-83. <http://doi.org/10.1163/000579509X12483520922205>
- 2010 Grafe TU, **Goutte S**, Ahmadsah HH, Konopik O, Scharmann M, Bauer U. Updated checklist of the amphibians of the Ulu Temburong National Park and Brunei Darussalam. *Scientia Bruneiana* 11: 53-59.

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**BOOKS AND CHAPTERS**


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- 2023 **Goutte S.** Vocal communication in anurans, in: *Evolutionary Ecology of Amphibians*. Editors: Moreno-Rueda G, Comas, M. CRC Press, Taylor and Francis Group. doi.org/10.1201/9781003093312
- 2017 Amiet J-L, **Goutte S.** Chants d'Amphibiens du Cameroun. Eds. *Petit Génie* 281 pp., 4 CDs. ISBN: 9782954950730

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**PUBLICATIONS IN PREPARATION**


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- In prep.* **Goutte S,** Boissinot S. Regulatory variation leads to striking color polymorphism in a grass frog.
- In prep.* Hariyani I, **Goutte S,** Boissinot S. An annotated chromosome-level genome of the African grass frog *Ptychadena robeensis*.
- In prep.* Kassie A, Bekele A, Afework B, **Goutte S,** Boissinot S. Exploring the genetic, morphological, and acoustic characteristics of *Hyperolius* (Anura: Hyperoliidae) species in the Keffa Area, Ethiopia.

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**CONFERENCE TALKS AND SYMPOSIA**


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- 2024 Coloration as adaptation mechanism under changing environmental conditions, **symposium** (accepted). *World Congress of Herpetology (WCH10)*, Kuching, Malaysia.
- 2023 Regulatory variation leads to striking color polymorphism in a grass frog, **talk**. *Society for Molecular Ecology & Evolution (SMBE)*, Ferrara, Italy.
- 2022 Rapid evolution of color patterns, **symposium**. *European Society for Evolutionary Biology (ESEB)*, Prague, Czech Republic.
- 2022 How frogs get their stripe: evolution of a widespread color pattern polymorphism, **talk**. *European Society for Evolutionary Biology (ESEB)*, Prague, Czech Republic.
- 2022 How frogs get their stripe: genomic and evolution of a widespread color pattern in anurans, **talk**. *Evolution*, Cleveland, United States of America.
- 2022 How frogs get their stripe: using African grass frogs (genus *Ptychadena*) as a model to study the evolution of a widespread color pattern in anurans, **talk**. *Herpetological Association of Africa virtual mini symposium*.
- 2019 Evolution of advertisement calls in closely related frog species occurring in sympatry, **talk**. *International Bioacoustic Congress (IBAC)*. Brighton, United Kingdom.
- 2019 Evolution of sexual signals in closely-related species in sympatry, **talk**. *European Society for Evolutionary Biology (ESEB)*. Turku, Finland.
- 2017 Seen but not heard: vestigial calls in earless frogs, **talk**. *European Society for Evolutionary Biology Congress (ESEB)*, Groningen, the Netherlands.
- 2015 Acoustic communication of the earless toad *Brachycephalus pitanga*, **talk**. *International Bioacoustics Congress (IBAC)*. Murnau, Germany.
- 2015 Environmental constraints on call evolution in torrent-dwelling frogs, **talk**. *Evolution*. Guarujá, Brazil.
- 2013 Evolution of advertisement calls in torrent dwelling frogs, **talk**. *International Bioacoustics Congress (IBAC)*. Pirenópolis, Brazil.
- 2012 Evolution of advertisement calls in torrent Ranids, **talk**. *Asian Herpetological Conference*. Chengdu, China.
- 2012 Missing the sound: ambient sound level is an important measure in animal ecology, **talk**. *SERL Ecology and Behaviour meeting*. Chizé, France.

- 2011 Evolution of advertisement calls in torrent habitat: communicating despite noise, **talk**. *International Bioacoustics Congress (IBAC). La Rochelle, France.*

#### INVITED TALKS

- 2022 Coloring inside the lines: genomic architecture and evolution of widespread colors and patterns in anurans, *University of Florida, Gainesville, USA.*
- 2022 How frogs get their stripe: genomics and evolution of a widespread color pattern in anurans, *Florida State University, Tallahassee, USA.*
- 2021 À l'écoute de la biodiversité: le son comme outil de recherche en écologie et conservation, *BIOSENA réseau régional de recherche sur la Biodiversité et les services Ecosystémiques.*
- 2020 Coloring inside the lines: the genomic architecture of stripe polymorphism in frogs. *Vrije Universiteit Amsterdam, The Netherlands.*
- 2017 Communication breakdown: vestigial calling in earless frogs. *Muséum national d'Histoire naturelle, Paris, France.*
- 2017 Acoustic communication and macroevolution in frogs. *Ecole Normale Supérieure, Paris, France.*
- 2016 Audição no gênero *Brachycephalus*: como sapos sem ouvido médio percebem o som? *Institute Butantan, São Paulo, Brazil.*
- 2014 Evolution of vocalizations in a frog family: are torrent ranid advertisement calls adaptive? *Museo Nacional de Ciencias Naturales, Madrid, Spain.*

#### CAMPUS TALKS AND POSTERS

- 2023 A single locus controls dorsal coloration in a grass frog. *Poster. Genomic and System Biology XI, New York University Abu Dhabi, United Arab Emirates.*
- 2020 Coloring inside the lines: the genomic architecture of stripe polymorphism in frogs, *Invited seminar. New York University Abu Dhabi, United Arab Emirates.*
- 2019 High diversity of acoustic sexual signals in morphologically conserved Ethiopian grass frogs, *Poster. Center for Genomics and Systems Biology Symposium IX and 3rd graduate and postdoctoral research showcase. New York University Abu Dhabi, United Arab Emirates.*
- 2018 High diversity of acoustic sexual signals in morphologically conserved Ethiopian grass frogs. *Poster. Genomic and System Biology X, New York University Abu Dhabi, United Arab Emirates.*
- 2017 Acoustic communication and evolution in frogs. *Invited seminar. New York University Abu Dhabi, United Arab Emirates.*

#### GRANTS AND AWARDS

- 2023 New York University Abu Dhabi travel grant: **1,000 US\$**. Collaboration and data collection at University of Hawaii at Manoa, USA.
- 2022 Best non-student presentation, *Herpetological Association of Africa virtual mini symposium.*
- 2018 Richtlijnen programma KNAW Fonds Ecologie 2018: **4,000 €**, *Quantifying the impact of human-induced climate warming on communication in urban frogs.*
- 2017 SOLEIL Synchrotron: 15 shifts (8 hours/shift) of beamtime, *Understanding frog bones fluorescence using DUV synchrotron spectral imaging.*

- 2016 Faepex travel grant: **3,500 R\$**, *Travel and living expenses for collaborative research visits at the University of Lincoln, United Kingdom and the University of Southern Denmark, Denmark.*
- 2015 American Society of Naturalists travel grant: **350 US\$**, *Workshop attendance: meta-analysis methods, Guarujá, Brazil.*
- 2015 European Society for Evolutionary Biology travel grant: **400 €**, *Conference attendance: Evolution, Guarujá, Brazil.*
- 2015 FAPESP collaborative grant: **90,562 R\$**, *Fieldwork and equipment, Campinas, Brazil.*
- 2015 Faepex travel grant: **2,500 R\$** and **2,000 R\$**, *Travel and living expenses for the visit of the Pyron lab, George Washington University, Washington D.C., USA. and conference attendance: International Bioacoustics Congress, Murnau, Germany.*
- 2014 Fyssen foundation two-year postdoctoral fellowship: **48,000 €**, *Hearing pathways in the genus Brachycephalus: how do earless frogs perceive airborne sound?*
- 2014 SYNTHESYS European grant: **400 €**, *Travel and living expenses for the visit of the Fonoteca Zoologica sound collection, Museo Nacional de Ciencias Naturales, Madrid, Spain.*
- 2013 Jacques Veillard travel grant: **1,000 R\$**, *International Bioacoustics Congress, Pirenopolis, Brazil.*
- 2012 Award for the most meritorious oral presentation, *Asian Herpetological Conference. Chengdu, China.*
- 2012 Société des Amis du Muséum: **2,000 €**, *Field equipment.*
- 2012 Action Transversale "Biodiversité actuelle et fossile. Crises, stress, restaurations et panchronisme: le message systématique" (MNHN): **2,900 €**, *Field expenses.*
- 2011 Action Transversale "Biodiversité actuelle et fossile. Crises, stress, restaurations et panchronisme: le message systématique" (MNHN): **3,000 €**, *Field expenses.*
- 2009 Short term fellowship award from the Smithsonian Tropical Research Institute, Panama: **2,500 US\$**, *Research and living expenses.*

#### TEACHING EXPERIENCE

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*New York University Abu Dhabi, United Arab Emirates*

**Guest lecturer** (undergraduate-level)

- Bioacoustics and biodiversity 2022
- Animal communication and Evolution 2019
- Animal acoustic communication in the environment 2018-2019

**Teaching assistant** (undergraduate-level)

2020

- Biostatistics: biological data analysis and application in *R*
- Remote teaching with students from New York, Abu Dhabi and Shanghai campuses
- Lectures, tests scoring and office hours

*Universidade Estadual de Campinas, Brazil*

**Lecturer in Bioacoustics** (graduate-level)

2014-2016

- Developed lectures and practical courses for post-graduates
- Led graduate-level workshops for sound analysis with *Praat* and *R*

*Muséum National d'Histoire naturelle (MNHN), France*

**Teaching assistant** (graduate-level)

- Biostatistics with *R* 2013-2014
- Phylogenetics reconstruction using *PhyML* and *Mr.Bayes* 2012

- Instructor and educational content developer** (High school level) 2012-2014
- Designed and led educational workshops for high school students on Herpetology, the Naturalist Method and the DNA proof in police investigations.
  - Moderated of a forum for high school seniors' science project.
  - Produced educational material for the MNHN website on a Papua-New Guinea expedition

### STUDENT MENTORING

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#### *New York University Abu Dhabi, United Arab Emirates*

- Supervised **one undergraduate** student: images classification using a deep learning network. 2023
- Supervised **two undergraduate** students in the lab and in the field in the UAE: genomics and bioacoustics of anurans. 2019-2022
- Organized and supervised **three undergraduate** students during a month of fieldwork in Ethiopia: Systematics, bioacoustics and behavior of Ethiopian anurans. 2019

#### *University of Porto, Portugal*

- Co-supervised **one Masters student**: geometric morphometrics of three gecko species in the Cabo Verde archipelago. 2022-2023

#### *Addis Ababa University, Ethiopia and New York University Abu Dhabi, United Arab Emirates*

- Co-supervised **one Ph.D. student** in the lab: morphometry and DNA Barcoding of Ethiopian anurans 2019-2023

#### *Muséum National d'Histoire Naturelle, France*

- Supervised of **one Masters student**. Bioacoustics and behavior of anurans. 2012
- Supervised of **one technical school student**. Molecular phylogenetics of ranid frogs. 2013

### PROFESSIONAL AFFILIATIONS

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|---|-----------|
| Amphibian Genomics Consortium               | 2023      |
| Society for Molecular Biology and Evolution | 2022-2023 |
| European Society for Evolutionary Biology   | 2015-2023 |
| Society for the Study of Evolution          | 2015-2023 |
| American Society of Naturalists             | 2015-2023 |
| International Bioacoustics Society          | 2011-2020 |

### REVIEWED JOURNALS

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Acta Ethologica, Behavioral Ecology, Biology letters, The Biological Journal of the Linnean Society, Biotropica, Evolutionary Ecology, F1000Research, Herpetology Notes, Journal of Evolutionary Biology, Journal of Herpetology, Molecular Phylogenetics and Evolution, Oecologia, PeerJ, PLoS ONE, Proceedings of the National Academy of Science, Zookeys, Zoologia.

### OUTREACH ACTIVITIES AND SELECTED PRESS COVERAGE

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#### **Field guides** (Photos and audio recordings)

- 2023 Handbook of Amphibians and Reptiles of North-East Africa. Eds. Spawls S, Mazuch T and Mohammad A. *Bloomsbury Publishing*. ISBN 9781472991423.
- 2017 A field guide to the frogs of Borneo. 3rd edition, Eds. Inger RF, Stuebing SB, Grafe TU, Dehling J. M. *Kota Kinabalu: Natural History Publications (Borneo)*. ISBN 9838121762.
- 2016 Insects of Mount Wilhem, Papua New Guinea, Ed. Robillard T, Legendre F, Villemant C, Leponce M. *Muséum National d'Histoire Naturelle publications scientifiques*. ISBN 9782856537848.

*In prep.* Field Guide to the Frogs & Other Amphibians of Africa. 2<sup>nd</sup> edition, Ed. Channing A and Rödel MO. Penguin Random House South Africa.

#### Outreach articles (Photos and text)

2016 Piepkleine kortkopkickers horen zonder trommelvlies, *Dendrobatidae* Nederland magazine (*The Netherlands*).

#### Children press and television (Photos, videos and interviews)

- Children television's series Octonauts: Above & Beyond, Netflix. *In production*
- Article in children magazine Science et Vie Junior (France). 2016
- Educational video Zeste de Science (CNRS, France) 2019

#### Exhibits (Photos and accompanying text)

- Natural history exhibit, *Tiergarten Straubing, Germany*. 2019
- Natural history exhibit "Abgetaucht! Amphibien, bedrohte Verwandlungskünstler", *Naturkunde Museum Ostbayers, Regensburg, Germany* 2018
- "Grenouilles d'Asie", Photo exhibit of frogs photographed during my fieldwork in Southeast Asia. *Université Pierre et Marie Curie, Paris 6, France*. 2013

#### Podcasts and radio

- BBC World Radio (UK). Interview on Goutte et al. 2019 2019
- Sur les Épaules de Darwin, France Inter Radio (France). Coverage of Goutte et al. 2019 2019
- 60-second Science podcast for Scientific American (USA). Interview on Goutte et al. 2017 2017
- CBC radio (Canada). Interview on Goutte et al. 2017 2017
- Science for the People (Canada). Interview on Goutte et al. 2017 2017

#### Selected press coverage

- Coverage of Goutte et al. 2019, *Scientific Reports*. 2019  
Science News AAAs (USA), Nature Middle East, Nico video (Japan), Karapaia (Japan), The Independent (UK), The National (UAE)
- Press coverage for Goutte et al. 2019, *Zookeys*. 2019  
The Daily Mail (UK), Nature Middle East, Science Daily, Sci-News, The National (UAE), Al Ain (UAE)
- Press coverage of Goutte et al. 2017, *Scientific Reports*. 2017  
The Guardian (UK), Le Monde (France), Science News AAAs (USA), Science News Explore, Science et Avenir (France), Science Daily (USA)

#### PROFESSIONAL REFERENCES

|  |   |   |
|--|---|---|
| <b>Stéphane Boissinot</b><br><i>Current supervisor</i><br>Professor<br>New York University Abu Dhabi<br>Saadiyat island campus<br>Abu Dhabi, United Arab Emirates<br>+971 2 628 4790<br><a href="mailto:sb5272@nyu.edu">sb5272@nyu.edu</a> | <b>Wouter Halfwerk</b><br><i>Collaborator</i><br>Associate Professor<br>Vrije Universiteit<br>Amsterdam<br>De Boelelaan 1085<br>1081 HV Amsterdam, The Netherlands<br>+31 20 59 87046<br><a href="mailto:w.h.halfwerk@vu.nl">w.h.halfwerk@vu.nl</a> | <b>Frédéric Legendre</b><br><i>Ph.D. supervisor</i><br>Associate Professor<br>Muséum national d'Histoire naturelle<br>45 rue Buffon<br>75005 Paris, France<br>+33 1 40 79 81 26<br><a href="mailto:legendre@mnhn.fr">legendre@mnhn.fr</a> |
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