

# Alice C. Poirier

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## EDUCATION

PhD, Life Sciences (Behavioral Ecology), Anglia Ruskin University, UK **2016-19**  
 MSc with Distinction, Biodiversity Ecology & Evolution, University of Montpellier, France **2008-10**  
 BSc with Distinction, Cell Biology & Physiology, University of Bordeaux, France **2005-08**

## PROFESSIONAL APPOINTMENTS

Postdoctoral Associate, University of Calgary, Canada. PIs: Dr Kathy Jack (Tulane University), **2023-pres.**  
 Dr Amanda Melin (Uni. of Calgary) & Dr Anja Widdig (Uni. of Leipzig)  
 Postdoctoral Associate, University of Calgary, Canada. PI: Dr Amanda Melin ([Melin Lab](#)) **2020-23**  
 Field Research Coordinator, Field Projects International & Fauna Forever, Peru **2011-15**

## TEACHING APPOINTMENTS

Sessional Instructor: Vertebrate Chemical Ecology (Uni. Veracruzana, Mexico) **2023**  
 Sessional Instructor: Introduction to Bioanthropology (Uni. of Calgary) **2023**  
 Teaching Assistant: Introduction to biology, Animal behavior, Molecular biology, Biostatistics, **2016-18**  
 Research methods (Anglia Ruskin Uni., UK)  
 Field Course Instructor: Tropical Ecology & Conservation: Uganda (Anglia Ruskin Uni.) & **2015-19**  
 Peru (Field Projects International, Wasaí Lodge & Expeditions)

## SCHOLARSHIPS AND AWARDS

Leakey Foundation Postdoctoral Research Grant with co-PI Melin (International) \$25,000 (CAD) **2021**  
 Association for the Study of Animal Behaviour Travel Grant (National UK) £400 (GBP) **2018**  
 Cambridge Philosophical Society Travel Grant (National UK) £400 (GBP) **2017**  
 Primate Society of Great Britain Research Grant (National UK) £1,000 (GBP) **2017**  
 UK Reference Excellence Framework PhD Scholarship (National UK) £56,300 (GBP) **2016**  
 Poitou-Charentes Young Professionals Award (National France) €3,000 (EUR) **2011**

## SELECTED PUBLICATIONS (\* co-first authorship)

**Poirier AC**, Kulick NK, Romero Morales S, Kücklich M, Weiß BM, Birkemeyer C, Widdig A, **Submitted**  
 Melin AD & Jack KM. Dominance effects on urine washing and urinary odor profiles in wild  
 male capuchin monkeys (*Cebus imitator*). *Behavioral Ecology & Sociobiology*  
 Fernandes A, **Poirier AC**, Veilleux CC, Melin AD. Contributions and future potential of animal **2024**  
 models for geroscience research on sensory systems. *GeroScience*.  
<https://doi.org/10.1007/s11357-024-01327-5>.  
**Poirier AC** & Melin AD. Smell throughout the life course. *Evolutionary Anthropology: Issues, **2024***  
*News, and Reviews*. <https://doi.org/10.1002/evan.22030>  
 DePasquale AN, **Poirier AC**, Mah MA, Villalobos-Suarez C, Guadamuz A, Chevez Hernandez **2023**  
 S, Navarro Lopez R, Hogan JD, Rothman JM, Nevo O & Melin AD. Picking pithy plants: pith  
 selectivity by wild white-faced capuchin monkeys, *Cebus imitator*. *American Journal of*  
*Primatology*. <https://doi.org/10.1002/ajp.23549>.  
**Poirier AC**, Waterhouse JS, Watsa M, Erkenswick GA, Melin AD, Dunn JC & Smith AC. **2022**  
 Olfactory communication in tamarins: a comparative analysis of scents from wild and captive  
 populations. *Journal of Zoo and Aquarium Research*. <https://doi.org/10.19227/jzar.v11i1.652>

- Tang J\*, **Poirier AC\***, Duytschaever G, Moreira LAA, Nevo O & Melin AD. Assessing urinary odours across the oestrous cycle in a mouse model using portable and benchtop GC-MS. *Royal Society Open Science*. <https://doi.org/10.1098/rsos.210172> **2021**
- Poirier AC**, Waterhouse JS, Dunn JC & Smith AC. Temporal stability of primate scent samples. *SN Applied Science*. <https://doi.org/10.1007/s42452-021-04455-1> **2021**
- Poirier AC**, Waterhouse JS, Dunn JC & Smith AC. Scent Marks Signal Species, Sex and Reproductive Status in Tamarins (*Saguinus* spp., Neotropical Primates). *Chemical Senses*. <https://doi.org/10.1093/chemse/bjab008> **2021**
- Poirier AC**, Waterhouse JS, Watsa M, Erkenwick GE, Moreira LAA, Tang J, Dunn JC, Melin AD & Smith AC. On the trail of primate scent signals: A field analysis of callitrichid scent-gland secretions by portable gas chromatography-mass spectrometry. *American Journal of Primatology*. <https://doi.org/10.1002/ajp.23236> **2021**

### SELECTED ORAL CONFERENCE PRESENTATIONS

- 'Dominance effects on urine-washing and urinary odour profiles in wild male capuchin monkeys'. 16<sup>th</sup> Meeting of the Chemical Signals in Vertebrates group, Frankfurt, Germany **2024**
- 'Field techniques in primate scent communication'. Conference "Ecology, Biology, Health and Behavior of White-Faced Capuchins: Celebrating and Promoting Longitudinal Research and Conservation", Costa Rica **2023**
- 'Chemical communication in callitrichids: insights from captive and wild populations'. 52<sup>nd</sup> meeting of the Ecological Society of Germany, Austria and Switzerland, Leipzig, Germany **2023**
- 'Fruit odor signals and animal-plant coevolution'. Joint meeting International Primatological Society and the Latin American Society of Primatologists, Quito, Ecuador (virtual) **2022**
- 'Captivity and communication: comparative analysis of scents from wild and captive tamarins'. 15<sup>th</sup> Meeting of the Chemical Signals in Vertebrates group, Dijon, France (virtual) **2021**
- 'Sniffing out primate scent signals: the first field analysis of callitrichine scents by portable GC-MS'. Primate Society of Great Britain Spring meeting, Portsmouth, UK **2018**

### PROFESSIONAL SERVICE

- Reviewer for American Journal of Primatology, Scientific Reports, Animals, Journal of Mammalian Evolution, PeerJ, Oxford University Publishing
- Organizing team and session chair for the conference Ecology, Biology, and Health of White-Faced Capuchins in Guanacaste, Costa Rica (15-18 Nov 2023)

### OUTREACH ACTIVITIES

- Documentary featuring wildlife research and conservation activity in Peru with Field Projects International **2024**
- Girls in STEM workshop "Sensing Science: the Primate Way" at Tulane University, USA **2024**
- Documentary series '[Animals Decoded](#)', episode '[Invisible Communication](#)' – The Smithsonian Channel (US) & Love Nature. Collaboration with Dr S. Vaglio, Uni. of Wolverhampton, UK **2018**
- Treasurer of the Wildlife Society at Anglia Ruskin University, UK **2016-18**
- Volunteer at WWF Earth Hour in Peru as scientific presenter **2012**

### ADDITIONAL SKILLS AND CERTIFICATES

- Languages: French native language, English & Spanish fluent written & spoken
- First aid training certificate (re-validated Sep. 2021)