

## CURRICULUM VITAE

SOLDATI Adrian

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### EDUCATION

- 2018 – present: *PhD Psychology and Biology*, University of St. Andrews, Scotland, and University of Neuchâtel, Switzerland. Thesis on ‘The role of social learning in the vocalizations of wild chimpanzees’ supervised by Prof Klaus Zuberbühler and Prof Josep Call.
- 2016 *MSc Evolutionary and Comparative Psychology*, University of St. Andrews, Scotland. Thesis on ‘Multi-signal communication of wild chimpanzees’ supervised by Dr Cat Hobaiter and Prof Klaus Zuberbühler.
- 2014 *BSc Biology*, University of Geneva, Switzerland. Thesis on ‘Neoteny in the human evolution’.

### RESEARCH EXPERIENCE

- 08/2018 – 12/2018, 02/2019 – 08/2019, 11/2019 – 03/2020: Budongo Conservation Field Station, PhD data collection.
- 12/2017 – 06/2018: Max Planck Institute for Evolutionary Anthropology and Budongo Conservation Field Station. Graduate research assistant collecting data on social bonding behaviour and urine samples for hormone analysis of wild chimpanzees. Supervised by Dr Fedurek and Dr Crockford.
- 08/2017 – 11/2017: WSL and Museo Cantonale di Storia Naturale, Switzerland. Graduate research assistant collecting measures of morphological and functional traits of insect pollinators for a study on biodiversity and biological agriculture in urban gardens.
- 02/2017 – 06/2017: University of St. Andrews and Budongo Conservation Field Station. Graduate research assistant conducting a study on wild chimpanzee gestural communication across different communities to investigate cultural differences and on female pant-hoot vocalizations. Supervised by Dr Hobaiter.
- 09/2016 – 01/2017: University of St. Andrews. Graduate research assistant involved in a project on 1-2year old children gestural communication across culturally different groups and compared to wild chimpanzees. Supervised by Dr Hobaiter.
- 06/2016 – 08/2016: University of St. Andrews and Budongo Conservation Field Station, Uganda. MSc research project on multi-signal (gestural, vocal, and facial) communication of wild chimpanzees aimed at clarifying its social function across different behavioural contexts. Supervised by Dr Hobaiter and Prof Zuberbühler.
- 03/2016 – 05/2016: Edinburgh Zoo and University of St. Andrews. Research assistant in a comparative study on social referencing in captive chimpanzees and capuchin monkeys. Supervised by Dr Slocombe and Dr Seed.
- 02/2015 – 06/2015: CNR ISTC, Unit of Primatology. Research affiliate in different research groups studying social behaviors and cognitive skills of tufted capuchin monkeys. Supervised by Dr Truppa and Dr Schino, and in collaboration with Dr Visalberghi.

### PUBLICATION RECORD

- 2022 **Soldati, A.**, Fedurek, P., Crockford, C., Adué, S., Akankwasa, J. W., Asimwe, C., Asua, J., Atayo, G., Chandia, B., Freymann, E., Fryns, C., Muhumuza G., Taylor, D., Zuberbühler, K., Hobaiter, C. Dead infant carrying by chimpanzee mothers in the Budongo Forest. *Primates*. [10.1007/s10329-022-00999-x](https://doi.org/10.1007/s10329-022-00999-x)
- 2022 **Soldati, A.**, Fedurek, P., Dezecache, G., Call, J., Zuberbühler, K. Audience sensitivity in

- chimpanzee display pant hoots. *Animal Behaviour*. [10.1016/j.anbehav.2022.05.010](https://doi.org/10.1016/j.anbehav.2022.05.010)
- 2022 Wilke, C.\*, Lahiff, N. J.\*, Badihi, G., Donnellan, E., Hobaiter, C., Machanda, Z., Mundry, R., Pika, S., **Soldati, A.**, Wrangham, R., Zuberbühler, K., Slocombe, K.E. Referential gestures are not ubiquitous in wild chimpanzees: alternative functions for exaggerated loud scratch gestures. *Animal Behaviour*. [10.1016/j.anbehav.2022.04.007](https://doi.org/10.1016/j.anbehav.2022.04.007)
- 2022 De Vevey, M., Bouchard A., **Soldati, A.**, Zuberbühler, K. Thermal imaging reveals audience-dependent effects during cooperation and competition in wild chimpanzees. *Scientific Reports*. [10.1038/s41598-022-07003-y](https://doi.org/10.1038/s41598-022-07003-y)
- 2019 Kersken, V., Gómez, J. C., Liszkowski, U., **Soldati, A.**, & Hobaiter, C. A gestural repertoire of 1-to 2-year-old human children: in search of the ape gestures. *Animal Cognition*. [10.1016/j.anbehav.2022.05.010](https://doi.org/10.1016/j.anbehav.2022.05.010)

*In press:*

- Soldati, A.**, Muhumuza, G., Dezechache, G., Fedurek, P., Taylor, D., Call, J., Zuberbühler, K. The ontogeny of vocal sequences: insights from a newborn wild chimpanzee (*Pan troglodytes schweinfurthii*). *International Journal of Primatology*.
- Eleuteri, V., Henderson, M., **Soldati, A.**, Badihi, G., Zuberbühler, K., & Hobaiter, C. The form and function of chimpanzee buttress-drumming. *Animal Behaviour*.
- Soldati, A.\***, Claire, B.\*, Hobaiter, C., Stephen, M., De Moor, D., Zuberbühler, K.\*, Dezechache, G.\* Infrared thermal imaging as a window into primate social cognition: Insights from social feeding in wild chimpanzees. *Philosophical Transactions of the Royal Society B*.
- Péter, H., Laporte, M., Newton-Fisher, N. E., Reynolds, V., Samuni, L., **Soldati, A.**, Vigilant, L., Villioth, J., Zuberbühler, K., Hobaiter, C. Recognition of Visual Kinship Signals in Chimpanzees (*Pan troglodytes*) by Humans (*Homo sapiens*). *Journal of Comparative Psychology*.

## GRANTS

- 2020 St Leonard's Postgraduate College Research Mobility Award: 450 £.
- 2019 Swissuniversities grant for PhD cotutelle: 8'000 CHF.
- 2018 University of St Andrews Postgraduate studentship: >45'000 £ (declined).
- 2016 European Human Behaviour and Evolution Association student grant: 500 €.
- 2011 STSBC Best diploma work in biology: 1'000 CHF.

## INVITED PRESENTATIONS

- 2022 PSGB Summer Conference. 'Audience sensitivity in chimpanzee display pant hoots'.
- 2022 EFP-Gfp, Arnhem. 'The ontogeny of behavioural responses to pant hoots in wild chimpanzees'.
- 2021 DPOB Meeting, University of Neuchâtel. 'The ontogeny of behavioural responses to pant hoots in wild chimpanzees'.
- 2021 PSGB Winter Conference. 'The ontogeny of behavioural responses to pant hoot calls in wild chimpanzees'.
- 2021 ASAB Summer Conference. 'Sensitivity to audience in chimpanzee complex vocal displays'.
- 2020 Behaviour and Evolution Research Group (BERG), University of Stirling. 'Vocal displays in wild chimpanzees'.
- 2020 Comparative Communication and Cognition group, University of Zurich. 'Pant hoot use during display and aggression' and 'Information extraction from pant hoot vocalisations'.
- 2019 EFP Conference, University of Oxford. Symposium. 'A Gestural Repertoire of 1- to 2-year-old Human Children: in Search of the Ape Gestures'.
- 2017 Makerere University Biological Field Station, Kibale, Ugandan National Council of Science and Technology. 'The multi-signal communication of wild chimpanzees'.

## INTERNAL PRESENTATIONS

- 2021 Psycholoquia, University of St Andrews. ‘The ontogeny of behavioural responses to pant hoot calls in wild chimpanzees’.
- 2021 Annual PhD Student Meeting, University of Neuchatel. ‘Sensitivity to audience in chimpanzee complex vocal displays’.
- 2020 Psycholoquia, University of St Andrews. ‘Audience effects and call structure of chimpanzee pant hoots during displays’.
- 2019 Psycholoquia, University of St Andrews. ‘The role of social learning in the vocalizations of wild chimpanzees’.
- 2019 Budongo Conservation Field Station, Uganda. ‘The role of social learning in the vocalizations of wild chimpanzees’.

## **TEACHING EXPERIENCE**

- 2021 TP Ethologie, University of Neuchâtel (BSc).
- 2019 APP 3 Comparative Cognition, University of Neuchâtel (BSc).

## **ADVISING**

- 2020 MSc Co-supervision of V. Stahl, University of Neuchatel. ‘Comment la thermographie faciale des chimpanzés change selon la sociabilité d’une action?’.
- 2019 MSc Co-supervision of M. De Vevey, University of Neuchatel. ‘Investigation of the influence of social environment on wild male chimpanzees’ emotions using infrared thermal imaging’ (doi.org/10.1038/s41598-022-07003-y)
- 2019 MSc Co-supervision of L. Emam, University of Caen. ‘Social behaviours and transmission of tool-use among wild chimpanzees’.
- 2018 MSc Co-supervision of C. Barrault, University of Neuchatel. ‘Skin thermal changes in wild chimpanzees during threatening contexts and upon hearing neighbouring communities’.

## **SCIENCE OUTREACH**

- 2019 – present: Social Media Manager of the Neuchatel Comparative Cognition group.
- 2015 – present: Photographs used by students, colleagues, and researchers in theses, oral and poster presentations, books, conservation initiatives, and as illustrations for scientific outreach.

## **MEMBERSHIPS**

- Member of the Royal Society of Biology.
- Member of the Primate Society of Great Britain.
- Member of the European Human Behaviour and Evolution Association.
- Member of the Association for the Study of Animal Behaviour.

## **PHOTOGRAPHY:** [www.adriansoldati.com](http://www.adriansoldati.com)

- 2018, 2016: Photo selected by National Geographic Italy for the photographic contest ‘Animal World’.
- 2017: 3<sup>rd</sup> place at the annual National Geographic Italy photographic contest ‘Animal World’.
- 2016: Photo selected by National Geographic Italy among the 20 best photos participating at the photographic contest ‘Animal World’.

- 2015: 3<sup>rd</sup> place at the 2015 European Federation for Primatology meeting photographic contest.
- 2015: 3<sup>rd</sup> place at the photographic contest ‘Rain, Clouds and Storm’ (Cooperazione.ch)

## **LANGUAGE COMPETENCES**

- Italian: Native.
- English: Fluent; Swiss college degree. Excellent TOEFL ibt score 111/120 (2015).
- French: Fluent; Swiss college degree and 3 years of university studies in Geneva.
- German: Basic; Swiss secondary school level.

## **TECHNICAL SKILLS**

- Microsoft Office, R studio, Adobe Audition, Praat, Raven Pro, Adobe Lightroom, FileMaker Pro, Adobe Photoshop.

## **WORK EXPERIENCE**

2011 – 2017: WWF Ticino

Entertainer and supervisor in seven summertime campsites for children and teenagers including environmental education, experiences in close contact with nature, trekking, and social activities.

07/2017: ASIPAO

Supervisor of a 2-week summer campsite for overweight children and teenagers focused on outdoor and social activities and food education.

07/2017: ViviLugano

Entertainer for the daily summer-camp organized by the city of Lugano with primary and secondary school children.

12/2014: WWF Ticino

Environmental educational project during the Food Waste Awareness Day for secondary school children.

11/2014: Capriasca ambiente

Agricultural and plants maintenance for local environmental and biodiversity valorisation.

09/2012, 09/2013, 09/2014: WWF Ticino

Environmental education and activities with public school children and teenagers on topics such as water consumption, food quality, and waste management.

2013 – 2014: ANTANI (independent student group of Geneva)

Promotion of the debate around animal experimentation with conferences and debates in collaboration with professors, researchers, and the university.

2012 – 2014: AGEDD (Geneva university association for a sustainable development)

Active member in two groups (Energy & Recycling and Waste Management).

2012: Environmental educator title from Cemea

“Naturiamo” certified training as campsite tutor and supervisor.

07/2012 – 08/2012: Volunteer program at the Ecological Centre of Akumal in Mexico

Beach patrol with involvement in different educational projects.

2008 – 2012: Greenpeace Ticino

Member of the active group organizing public demonstrations and actions.

09/2011: Greenpeace Switzerland

In charge of public communication and new member recruitment.

## **OTHER**

10/2014: LDM Lugano

Pictures for website of the molecular diagnostics laboratory.

2012, 2013: Scuba diving certificates

Padi Open Water diver; Padi Advanced diver.

2011 – 2012: Foundation of the regional group of Foraus ticino

Organization of conferences on bilateral politics and the UNO-Switzerland relationship.

07/2010: Cardiocentro ticino

One-month internship as therapy and medical personnel assistant.

2008, 2009, 2010: Cantonal council of youth of Ticino

Participant in political debates and propositions at regional level.

04/2009: UNO youth federal assembly

Participant in the debate and on the resolution of water linked problems.

07/2008 – 08/2008, 07/2009 - 08/2009: Balmelli sport shop Lugano

Sale, delivery, and stock organization in different shops.

09/2008: Swiss youth parliament session

Participant in political debates and propositions at a federal level.