

EDUCATION

- Max Planck Institute for Evolutionary Anthropology** Leipzig, Germany
Doctor Rerum Naturalium in Human Behavioral Ecology, 1.1/1 March 2018–December 2022
– Advisors: Richard McElreath, Anne Kandler and Monique Borgerhoff Mulder
- Università degli Studi di Padova** Padua, Italy
M.S. in Evolutionary Biology, 110/110 *cum laude* September 2013–March 2016
– Thesis: “The Flight Of The Bumblebee: Size related differences in flight performances and adaptation to pesticide induced stress.” Advisors: Richard J. Gill, Maria Berica Rasotto
- Università degli Studi di Padova** Padua, Italy
B.S. in Biology, 110/110 *cum laude* September 2010–September 2013
– Thesis: “Neoteny And Evolution of Life History in Homo sapiens: molecular and morphological evidences.”
Advisor: Telmo Pievani
- Liceo Ginnasio Statale «Raimondo Franchetti»** Venice, Italy
High school diploma in Classical Studies, 100/100 September 2005–September 2010

PUBLICATIONS

- [1] S. Lew-Levy, R. Reckin, S. M. Kissler, **I. Pretelli**, A. H. Boyette, A. N. Crittenden, R. Hagen, R. Haas, K. Kramer, J. Koster, M. J. O’Brien, K. Sonoda, T. A. Surovell, J. Stieglitz, B. Tucker, N. Lavi, K. Ellis-Davies, and H. E. Davis, “Socioecology shapes child and adolescent time allocation in twelve hunter-gatherer and mixed-subsistence forager societies”, *Scientific Reports*, pp. 1–16, 2022, ISSN: 2045-2322.
- [2] **I. Pretelli**, M. B. Mulder, and R. McElreath, “Rates of ecological knowledge learning in Pemba, Tanzania: Implications for childhood evolution”, *Evolutionary Human Sciences*, vol. 4, no. E34, 2022.
- [3] **I. Pretelli**, E. Ringen, and S. Lew-Levy, “Foraging complexity and the evolution of childhood”, *Science Advances*, vol. In press, 2022.
- [4] T. Caro, H. Hamad, R. S. Rashid, U. Kloiber, V. M. Morgan, O. Nokelainen, B. Caro, **I. Pretelli**, N. Cumberlidge, and M. Borgerhoff Mulder, “A case study of the coconut crab *Birgus latro* on Zanzibar highlights global threats and conservation solutions”, *Oryx*, vol. 55, no. 4, pp. 556–563, 2021, ISSN: 0030-6053; 1365-3008.
- [5] T. Broesch, A. N. Crittenden, B. A. Beheim, A. D. Blackwell, J. A. Bunce, H. Colleran, K. Hagel, M. Kline, R. McElreath, R. G. Nelson, A. C. Pisor, S. Prall, **I. Pretelli**, B. Purzycki, E. A. Quinn, C. Ross, B. Scelza, K. E. Starkweather, J. Stieglitz, and M. Borgerhoff Mulder, “Navigating cross-cultural research: Methodological and ethical considerations”, *Proceedings of the Royal Society B*, vol. 287, 20201245, 2020, ISSN: 0962-8452.
- [6] D. Kenna, H. Cooley, **I. Pretelli**, A. Ramos Rodrigues, S. D. Gill, and R. J. Gill, “Pesticide exposure affects flight dynamics and reduces flight endurance in bumblebees”, *Ecology and Evolution*, vol. 9, no. 10, pp. 5637–5650, May 2019.

CONFERENCES, WORKSHOPS AND SEMINARS

- Cultural Evolution Society 2022 Conference in Aarhus, Denmark 20 June - 23 September 2022
Presented a Flash talk on “Insights for the evolution of childhood offered by two types of foraging in Pemba, Tanzania”.
- Chags 13 - UCD Dublin 27 June - 1 July 2022
Presented a talk on “Foraging complexity and the evolution of childhood: life history of foraging proficiency covaries with resource complexity.” Also presented a talk on “Ecological knowledge increases throughout childhood in Pemba, Tanzania: Exploring drivers of variation”.
- Online meeting of French society of Evolutionary Human Sciences - Virtual attendance 10 June 2022
Presented a talk on “Importance of ecological knowledge for foraging success in Pemba, Tanzania”.
- 9th Toulouse Economics and Biology Workshop Production and Sharing 2-3 June 2022
Presented a poster on “Importance of ecological knowledge for foraging success in Pemba, Tanzania”.
- EHBEA 2022 Conference, MPI EVA, Leipzig - Virtual attendance 19-22 April 2022
*Presented a poster on “Importance of ecological knowledge for foraging success in Pemba, Tanzania”. Winner of the **Best Poster Prize**.*
- 7th Annual Northwest Evolution, Ecology, and Human Behavior Symposium, WSU 15 October 2021
*Presented a talk on “Development of knowledge of the environment in a population of child part-time foragers”. Winner of the **Second Place Student Presenter Prize**.*
- HBES 2021 Conference - Virtually Everywhere 24 June-2 July 2021
*Presented a poster on “Development of knowledge of the environment in a population of child part-time foragers”. **Winner of the HBES Poster Award**.*
- Cultural Evolution Society 2021 Conference in Sapporo - Virtual attendance 9-11 June 2021
Presented a talk on “Development of knowledge of the environment in a population of child part-time foragers”.

SKILLS

- **Programming skills:** R, Latex, Stan
- **Hard skills:** version control in git/GitHub, fieldwork, data entry and processing, Bayesian statistical analysis
- **Other skills:** photography, sketching, presentation
- **Soft skills:** Problem solving, teamwork, flexibility/adaptability, communication, planning

LANGUAGES

- **Language: Italian** mothertongue
- **Language: English** proficient
- **Language: Portuguese** intermediate
- **Language: French** intermediate
- **Language: Swahili** basic
- **Language: German** basic

ORGANIZATION & OUTREACH

- Presenting “Foraging complexity and the evolution of childhood” at the Science Society November 2021
Presented the results of my research on the evolution of human life history to the lay public at the Science Society on Clubhouse. [Link here](#).
- AAA Roundtable on “Children Foraging in a Changing World” November 2021
Co-chaired Roundtable discussion between Karen Kramer, Edmond Dounias, Almudena Mari Saez, Sagan Friant, Sheina Lew-Levy, Alyssa Crittenden, Jeremy Koster
- Research Ethics in Evolutionary Biological Sciences Seminar Series, MPI EVA, Leipzig November 2019
Co-organized of a two days seminar on the ethics of research, spanning from fieldwork to data management.
- Gender (In)Equalities Symposium at MPI EVA, Leipzig. October 2018
Co-organized a two days seminar on the impact of gender inequalities in research.
- PhD representative at MPI EVA - Leipzig. March 2018 - May 2020
Co-organized protocols for PhD supervision, education pamphlets, welcoming of new students.

FIELDWORK

- Reporting of research results, Pemba, Tanzania October 2022
Returning the results of the research to the community that contributed the data, and conclusion of fieldwork.
- Data collection in Pemba, Tanzania January-March 2020
Collected behavioral data on foraging activities in the village of Bandarikuu, Kifundi. Data collection was conducted in collaboration with Bakari Makame Khamis, who continued to work as research assistant through December 2020.
- Data collection in Pemba, Tanzania May-September 2019
Collected census data and ecological knowledge estimates in the village of Bandarikuu, Kifundi
- Data collection in Pemba, Tanzania June-October 2018
*Collected data on usage of natural resources by children in various parts of the island.
Collaborated on data collection in the village of Andikoni, Weshu, for the Endow international research project.*
- Exploratory visit and piloting in Alto Paraiso de Goias and Cavalcante, Brazil March 2018
Ran pilot session of knowledge interviews and exploratory visits to a Quilombola community.

EXPERIENCE

Universidade de Brasilia, UnB Research assistant in the laboratory of Dr. Luísa Gigante Carvalheiro	Brasilia, Brazil Spring 2017
Stazione Idrobiologica Umberto d'Ancona, Unipd Research assistant in the laboratory of Prof. Rasotto	Chioggia, Italy Spring 2016
Silwood Park, Imperial College London Erasmus master project	Ascot, UK February 2015 –November 2015

TEACHING

- ‘Evolution of Childhood: a case study’ contribution to lecture (Human evolution for Psychology students, Durham University). [Link here.](#) February 2023
I presented the results of my research to a class of xxx as part of xxx.
- Helper and Instructor at Software Carpentry Workshop, MPI EVA, Leipzig. Nov. 2022, Nov. 2021, Nov. 2020, Dec. 2019
I taught and assisted students, PhD and postdocs with hands-on learning modules on scripting in Bash, version control with Git, R, RStudio.
- ‘Life History’ lecture (Human Behavior, Ecology, and Culture, University of Leipzig). [Link here.](#) November 2021, 2022
I taught a 1:30h class on life history theory and human life history adaptations, and supervised a discussion on these same topics.
- ‘Item Response Theory models’ lecture (Skill Share seminars, MPI EVA). [Link here.](#) March 2022
I introduced my colleagues to the use of IRT models in a 2h workshop, part of an internally organized series of seminars.
- ‘Cultural Evolution’ lecture (Philosophy of Biological Sciences, University of Padua). [Link here.](#) December 2021
I gave a 1:30h lecture on the subject of cultural evolution within a master level course on the philosophy of biology.
- Bridge seminar presenting example of research to undergraduate students. University of Leipzig. May 2018
I hosted a session on ecological drivers of an extended pre-reproductive period in Carnivora and Primates as part of the undergraduate specialization in behavioral ecology within biology.

VISUAL OUTPUTS

- Solo Photo Exhibition *Pemba*, at MPI EVA. December 2022 - ongoing
- Cover image for Philosophical Transactions of the Royal Society B, Volume 375, Issue 1803. 20 July 2020

MANUSCRIPTS PUBLISHED AS PREPRINTS

1. **I. Pretelli**, Monique Borgerhoff Mulder, Bakar Makame Khamis, Richard McElreath, “Foraging Efficiency and the Importance of Knowledge in Pemba, Tanzania: Implications for Childhood Evolution.”, *EcoEvoRxiv*, [Preprint available here](#).