

Pablo José Varas Enríquez

* 26 February 1990
✉ pablo.varas-enriquez@tse-fr.eu

Education

- 2019—2025 **PhD (Dr. rer. nat.)**, (*cum laude*)
Behavioural Ecology
Max Planck Institute for Evolutionary Anthropology, Germany
- 2017—2019 **MSc**
Biological Sciences: Ecology and Evolution track
Universiteit van Amsterdam, The Netherlands
- 2008—2012 **Bachelors**
Anthropology with major in Physical Anthropology
Universidad de Chile, Chile

Publications

- [1] **Varas Enríquez, Pablo José** et al. “How material wealth influences age at first birth among Pimbwe women from Tanzania”. In: *OSF* (2024). DOI: <https://doi.org/10.31219/osf.io/zj528>.
- [2] **Varas Enríquez, Pablo José** et al. “The role of resource dynamics in the distribution of life cycles within a female human population”. In: *OSF* (2024). DOI: <https://doi.org/10.17605/OSF.IO/24C7Z>.
- [3] **Varas Enríquez, Pablo José**, Luseadra Joy McKerracher, and Nicolás Montalva Rivera. “Fertility Dynamics and Life History Tactics Vary by Socioeconomic Position in a Transitioning Cohort of Postreproductive Chilean Women”. In: *Human Nature* 33.2 (2022), pp. 83–114. DOI: <https://doi.org/10.1007/s12110-022-09425-z>.
- [4] **Varas Enríquez, Pablo José**, Silke Van Daalen, and Hal Caswell. “Individual stochasticity in the life history strategies of animals and plants”. In: *PLoS One* 17.9 (2022), e0273407. DOI: <https://doi.org/10.1371/journal.pone.0273407>.
- [5] **Varas Enríquez, Pablo José**, Luseadra Joy McKerracher, and Michael G Elliot. “Pre-eclampsia and maternal–fetal conflict”. In: *Evolution, medicine, and public health* 2018.1 (2018), pp. 217–218. DOI: <https://doi.org/10.1093/emph/eoy029>.

Experience

Research experience

- 2025—now **Research fellow**, *Institute for Advanced Studies in Toulouse*, France
Member of the Institute for Advanced Studies in Toulouse to study the role of culture in the reproductive behaviour of humans.
- 2019—2025 **Doctoral researcher**, *Max Planck Institute for Evolutionary Anthropology*, Germany, PI: Drs. Dieter Lukas, Monique Borgerhoff Mulder, Heidi Colleran
Member of the research groups Comparative Behavioural Ecology and Birth Rites to study the role of variability in resources available to understand the mechanisms behind the diversity of life-history traits in human populations.
- 2019—2022 **Guest researcher**, *Universidad Mayor*, Chile, PI: Dr. Nicolás Montalva Rivera
Researcher stay at the Society and Health Research Center to develop research projects related to the relationship between socioeconomic position and the reproductive behaviour of Chilean women, and the relationship of cooperative and competitive dynamics across the life cycle with human reproductive behaviour, among other collaboration
- 2018—2019 **MSc researcher**, *Universiteit van Amsterdam*, The Netherlands, PI: Drs. Hal Caswell, Silke van Daalen
Researcher stay at the Theoretical Ecology Group to study the relationship between individual stochasticity and life-history strategies of plants and animals.
- 2018—2019 **MSc researcher**, *Universiteit van Amsterdam*, The Netherlands, PI: Dr. Daniel Kissling
Researcher stay at the Macroecology and Biogeography Laboratory to study the influence of social and environmental factors in the number and variability of surviving offspring in contemporary human populations of the Global South.
- 2016—2018 **Guest researcher**, *Aarhus Universitet*, Denmark, PI: Dr. Jens-Christian Svenning
Researcher stay at the Ecoinformatics and Biodiversity Section to study the influence of social and environmental factors in the reproductive behaviour of contemporary human populations.
- 2015—2018 **Bachelors researcher**, *Universidad de Chile*, Chile, PI: Drs. Nicolás Montalva Rivera, Sergio Flores, Miriam Pérez
Researchers stay at the Department of Anthropology to study the relationship between socioeconomic position with the reproductive behaviour of Chilean women.
- 2014 **Research assistant**, *Universidad de Chile*, Chile, PI: PhD(c) María José Herrera Soto
Assistance in cortisol collection from hair samples and application of psychological tests for the MSc thesis: “The big five personality dimensions and chronic physiological stress in Chilean rural population with water pollution and scarcity”
- 2013 **Research assistant**, *Universidad de Chile*, Chile, PI: Dr. Constanza Silva
DNA collection from saliva samples and application of socioeconomic surveys for the Bachelor’s thesis: “Alcohol consumption patterns and genetic variations related to alcohol tolerance in undergraduate students in Santiago, Chile”

- 2012 **Research assistant**, *Universidade de São Paulo*, Brazil, PI: MSc. Tamara Pardo
Dietary data collection from interviews and creation of methodological and ethics tools for the MSc thesis: "Nutritional transition in indigenous population of the Salar de Atacama, north of Chile: a biocultural approximation towards changes in the diet and nutrition in Atacama"
- 2012 **Research assistant**, *Universidad de Chile*, Chile, PI: Dr. Sergio Flores
Bioanthropological, health and diet data collection from human remains at the R. P. Gustavo Le Paige Museum for the FONDECYT Project 111046: "Paleodiet evolution in populations from the north of Chile: bioanthropological and oral microbiome evidence"
- Teaching experience
- 2023 **Guest lecturer**, *Universität Leipzig*, Germany
Course: Human behaviour, ecology, and culture.
- 2021 **Lecturer**, *Universidad de Chile*, Chile
Course: Theories of the body and health.
- 2015 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Introduction to Physical Anthropology.
- 2015 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Evolution II.
- 2013 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Human Ecology.
- 2012 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Human Ecology.
- 2012 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Introduction to Physical Anthropology.
- 2012 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Introduction to the Scientific Method.
- 2011 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Introduction to the Scientific Method.
- 2010 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Evolution I.
- 2010 **Undergraduate Teaching Assistant**, *Universidad de Chile*, Chile
Course: Biology.
- Work experience
- 2016 **Assistant**, *Universidad de Chile*, Chile
Administrative assistant at the Ethics Committee for Research in the administration and ethical evaluation of research projects from the Faculty of Social Sciences, Universidad de Chile.
- 2016 **Assistant**, *Universidad de Chile*, Chile
Assistance in the nomination of Prof. Victoria Castro for the National Prize of History.
- 2016 **Biological Anthropologist**, *Proyecto El Olivar, Ruta 5*, Chile
Excavation and bioanthropological analysis of human remains in the archaeological site El Olivar, IV Region, Chile.

- 2010—2016 **Professional support**, *Fundación TECHO*, Chile
Assistance in the codification of different projects related to Fundación TECHO.
- 2010—2013 **Outreach facilitator**, *Universidad de Chile*, Chile
Outreach presentations and guided visits to highschool students, as well as other outreach projects from the Faculty of Social Sciences, Universidad de Chile.
- 2012 **Professional internship**, *Universidad Católica del Norte*, Chile, PI: Dr. Mark Hubbe
Management, conservation, and bioanthropological analysis at the R. P. Gustavo Le Paiges Museum.
- 2011 **Biological Anthropologist**, *Proyecto El Olivar, Brillamar*, Chile
Bioanthropological analysis of human remains from the archaeological site El Olivar, Brillamar
- 2011 **Conservation assistant**, *Universidad Católica del Norte*, Chile, PI: Dr. Mark Hubbe
Management and bioanthropological analysis at the R. P. Gustavo Le Paiges Museum.

Conferences

- 2025 **Poster**, *Varas Enríquez, P. J., Redhead, D., Borgerhoff Mulder, M., Colleran, H., Lukas, D.*, European human Behaviour and Evolution Association, Newcastle, United Kingdom
The role of resource dynamics in the variability of longevity and fertility among female humans
- 2024 **Talk**, *Varas Enríquez, P. J., Minocher, R., Lukas, D., Colleran, H., Borgerhoff Mulder, M.*, European human Behaviour and Evolution Association, Montpelier, France
How the amount or variability of material wealth influence age at first reproduction among Pimbwe women from Tanzania
- 2023 **Lightning talk**, *Varas Enríquez, P. J., Minocher, R., Lukas, D., Colleran, H., Borgerhoff Mulder, M.*, European human Behaviour and Evolution Association, London, United Kingdom
How wealth influences age at first reproduction among pimbwe women from Tanzania
- 2023 **Poster**, *Varas Enríquez, P. J., Redhead, D., Borgerhoff Mulder, M., Colleran, H., Lukas, D.*, Evolutionary Demography Society Annual Meeting, Paris, France
The role of resource dynamics in the variability of life cycles within a female human population
- 2022 **Talk**, *Varas Enríquez, P. J., Lukas, D., Martijn Egas, Montalva Rivera, N.*, Chilean Society of Biological Anthropology (SOCHIAB) Annual Meeting, San Felipe, Chile
The role of competition and cooperation on life history traits across the human life cycle
- 2022 **Talk**, *Varas Enríquez, P. J., Borgerhoff Mulder, M., Lukas, D., Colleran, H.*, Annual Postgraduate Population Studies Conference (PopFest), Florence, Italy
How family, peers, and community matter in the differences of fertility preferences among women from rural Poland

- 2022 **Talk**, *Varas Enríquez, P. J., Svenning J-C., Montalva Rivera, N., Kissling, W. D.*, Latin American Webinar of Biological Anthropology, Online
Macroecology of the number of surviving offspring in contemporary human populations from the Global South
- 2022 **Lightning talk**, *Varas Enríquez, P. J., Borgerhoff Mulder, M., Lukas, D., Colleran, H.*, Cultural Evolution Society Conference, Aarhus, Denmark
How family, peers, and community matter in the differences of fertility preferences among women from rural Poland
- 2022 **Poster**, *Varas Enríquez, P. J., Borgerhoff Mulder, M., Colleran, H., Lukas, D.*, Toulouse Economics and Biology Workshop, Toulouse, France
The role of resource dynamics in variations of the life cycle among female humans
- 2022 **Poster**, *Varas Enríquez, P. J., Borgerhoff Mulder, M., Colleran, H., Lukas, D.*, European human Behaviour and Evolution Association, Leipzig, Germany
The role of resource dynamics in variations of the life cycle among female humans
- 2021 **Poster**, *Varas Enríquez, P. J., Borgerhoff Mulder, M., Colleran, H., Lukas, D.*, Toulouse Economics and Biology Workshop, Toulouse, France
The interplay of resource acquisition and sharing dynamics explains the diversity of female human reproductive allocative decisions
- 2020 **Lightning talk**, *Varas Enríquez, P. J., Svenning J-C., Montalva Rivera, N., Kissling, W. D.*, Evolutionary Demography Society Annual Meeting, Røros, Norway
Macroecology of the variability of surviving offspring in contemporary human populations from the Global South
- 2019 **Poster**, *van Daalen, S., Varas Enríquez, P. J., Caswell, H.*, British Ecological Society Annual Meeting, Belfast, Northern Ireland
Variance matters: a comparative analysis of lifetime reproduction
- 2018 **Lightning talk**, *Varas Enríquez, P. J., Svenning J-C., Montalva Rivera, N., Kissling, W. D.*, Chilean Society of Biological Anthropology (SOCHIAB) Annual Meeting, Santiago, Chile
Macroecology of mean surviving offspring in contemporary human populations from the Global South
- 2018 **Lightning talk**, *Varas Enríquez, P. J., Svenning J-C., Montalva Rivera, N., Kissling, W. D.*, Macroecology SIG Conference of the British Ecological Society, St. Andrews, Scotland
Macroecology of lifetime reproductive success in contemporary human populations from the Global South
- 2016 **Talk**, *Varas Enríquez, P. J., Montalva Rivera, N., Flores Carrasco, S.*, Chilean Society of Biological Anthropology (SOCHIAB) Annual Meeting, Quillota, Chile
Socioeconomic groups and reproductive strategies: a cohort study of women from 1963-1968, Chile
- 2013 **Poster**, *González Zarzar T., Santana Sagrado F., Cañas Encina P., Bucchi Morales A., Varas Enríquez, P. J., Maturana Fernández A., Flores Carrasco S.*, National Conference of Biological Anthropology, Buenos Aires, Argentina
Tiwanakus influence in quality of life of San Pedro de Atacamas populations

Workshops and seminars

- 2025 **Workshop**, *Institute for Advanced Studies in Toulouse*, Toulouse, France
Sex Differences in Human Life History Evolution
- 2023 **Workshop**, *University College of London*, London, United Kingdom
Researching sensitive topics in the quantitative social sciences
- 2022 **Workshop**, *Institute for Advanced Studies in Toulouse*, Toulouse, France
Production and Sharing
- 2022 **Workshop**, *Aarhus Universitet*, Aarhus, Denmark
Cultural Evolution for Good: Applications and impact of cultural evolution research and methods
- 2021 **Summer School**, *Toulouse School of Economics and Institute for Advanced Studies in Toulouse*, Toulouse, France
Toulouse Summer School in Quantitative Social Sciences
- 2021 **Workshop**, *Institute for Advanced Studies in Toulouse*, Toulouse, France
Fertility: Causes and Consequences
- 2020 **Workshop**, *Max Planck Institute for Evolutionary Anthropology*, Leipzig, Germany
Reproducible workflows for scientific computing
- 2019 **Workshop**, *Max Planck Institute for Evolutionary Anthropology*, Leipzig, Germany
Longitudinal Research Workshop
- 2019 **Seminar**, *Max Planck Institute for Evolutionary Anthropology*, Leipzig, Germany
Research Ethics in Evolutionary Biological Sciences
- 2019 **Conference**, *Universidad de Chile*, Santiago, Chile
Conference about the current state of medical anthropology
- 2012 **Course**, *Servicio Médico Legal and Pan American Health Organization*, Santiago, Chile
Analysis and interpretation of samples with bone trauma and cases of violations to Human Rights and common criminal contexts

Scholarships and awards

- 2017-2019 **Scholarship holder**, *ANID—Chilean government*
BECAS Chile—Masters abroad

Academic service

- 2025—2028 **Publicity and Website Officer**, *European Human Behaviour and Evolution Association*
- 2025 **Organiser**, *12th Economy and Biology Workshop: Sex Differences in Human Life History Evolution*, *Institute for Advanced Studies in Toulouse*
- 2024—2025 **Member**, *International Society for Evolutionary Medicine and Public Health*
- 2024 **Reviewer**, *Human Nature*

2023 **Reviewer**, *Ecology Letters*
 2022—now **Member**, *European Human Behaviour and Evolution Association*
 2020 **PhD representative**, *Max Planck Institute for Evolutionary Anthropology*
 2018—2019 **Member**, *British Ecological Society*
 2015—now **Member**, *Evolutionary Demography Society*
 2015—2016 **Treasurer**, *Chilean Society of Biological Anthropology*
 2014—2019 **Member**, *Group of Evolutionary Demography Anthropology*
 2012—now **Member**, *Chilean Society of Biological Anthropology*

Skills

Languages

Spanish Native speaker

English Advanced

TOELF iBT= 103; Academic IELTS= 7.5

Computer skills

R Advanced

LaTeX Advanced

Git Middle

Stan Basic

ArcGIS Basic