

Curriculum Vitae – Chiara Barbieri

Nome: Chiara

Cognome: Barbieri

Nazionalità: Italiana

Email: barbieri.chiara@gmail.com

Sito personale: chiarabarbieri.com

Orcid: <https://orcid.org/0000-0001-8827-5655>



Posizione attuale

- **Ott/2023:** Ricercatrice a tempo determinato (RTDb) in Genetica, Dipartimento di Scienze della Vita e dell'Ambiente, Università degli Studi di Cagliari, Italia.
 - **Lug/2020:** Affiliazione su invito: Independent Group Leader, gruppo di ricerca "Human genetic diversity across languages and cultures", Università di Zurigo, Svizzera.
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Istruzione superiore

- **2010 – 2013:** Dottorato di Ricerca in Biodiversità ed Evoluzione, Università di Bologna, Italia, e Max Planck Institute for Evolutionary Anthropology, Lipsia, Germania.
 - **Titolo della Tesi:** "Comparing genetic and linguistic diversity in African populations with a focus on the Khoisan of southern Africa". **Votazione finale:** eccellente con menzione.
 - **2005 – 2008:** Laurea Magistrale in Biodiversità ed Evoluzione, Università di Bologna, Italia. **Votazione finale:** 110/110 con Lode.
 - **2002 – 2005:** Laurea Triennale in Scienze Naturali, Università di Bologna, Italia.
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Carriera accademica

- **Feb/18 - Giu/20:** Senior Postdoc (Oberassistent) presso l'Università di Zurigo, Svizzera.
- **Lug/15 – Gen/18:** Posizione post-dottorato presso il Max Planck Institute for the Science of Human History, Jena, Germania.

- **Dic/14 - Giu/15:** Posizione post-dottorato presso il Max Planck Institute for Evolutionary Anthropology, Lipsia, Germania.
 - **Lug/13 - Ott/14:** Posizione post-dottorato presso l'Università di Bologna, Italia.
 - **Set/09 - Apr/13:** Posizione di dottorato presso il Max Planck Institute for Evolutionary Anthropology, Lipsia, Germania.
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Esperienze e formazione scientifica

- **Sett/24:** Fieldwork in Venezuela. Human sample collection in the Eastern Region. Field organization and project coordination.
- **Lug/24:** Symposium organization. "Human population demography and adaptation signals in the Americas", Conference of the Society of Molecular Biology and Evolution SMOBE, Puerto Vallarta, Mexico.
- **Giu/23:** Comitato Scientifico. International conference "Evolution in Action". Centro Congressi Stefano Franscini, Monte Verità, Svizzera.
- **Mar/22:** Fieldwork in Chile. Returning the results of a genetic study. Field organization and project coordination.
- **Ago/21:** Workshop organization. "The South American Ethnosphere". Centro Congressi Stefano Franscini, Monte Verità, Svizzera.
- **Mag/19:** Fellowship presso il DFG Center Words Bones Genes Tools, University of Tübingen, Germany. Collaboration for the study of genetic and linguistic diversity in Peru.
- **Gen/19:** Fieldwork in Chile. Human sample collection with Mapuche communities. Field organization and project coordination.
- **Dic/18:** Symposium organization. "New Methods and Discoveries in Human Archaic Admixture". University of Zurich.
- **Apr/16 - Mag/16:** Visiting guest presso l'Institut für Rechtsmedizin - Charité - Universitätsmedizin Berlin. Y chromosome analysis in the Forensic Genetic department.
- **Dic/15:** Workshop co-organization. "A cross-disciplinary prehistory of Andean Civilisation". Max Planck Institute for the Science of Human History, Jena.
- **Nov/15 - Dic/15:** Fieldwork in Peru. Human sample collection in the northern coast. Field organization and project coordination.
- **Gen/15 - Feb/15:** Fieldwork in Peru. Human sample collection in the Chachapoyas province. Field organization and project coordination.
- **Ott/13 e Dic/13:** Fieldwork in Italy. Human sample collection among local populations.
- **Nov/09 - Dic/09:** Fieldwork in Botswana. Human sample collection among native populations.
- **Ott/08 - Lug/09:** Internship presso il Max Planck Institute for Evolutionary Anthropology, Lipsia, Germania, sul progetto "Population relationships and language change in Burkina Faso".

- **Giu/08 – Ago/08:** Internship in Molecular Anthropology, Parc Recerca Biomèdica de Barcelona (PRBB), Barcellona, Spagna. Lab analysis for the Genographic Project (National Geographic, IBM).
 - **Ago/07 – Feb/08:** Esperienza di laboratorio in Antropologia Molecolare, Università di Bologna, Italia.
 - **Apr/07 – Giu/07:** Fieldwork in Peru - Human sample collection and anthropometrical measurements among native populations of the highlands and of the jungle.
 - **Giu/06 e Lug/07:** Paleo-archaeological excavations at Isernia-La Pineta, Italy. Collaboration with University of Ferrara, Italy.
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Conferenze, presentazioni, seminari su invito

- **Giugno 2025:** Caracas, Venezuela – Venezuelan Institute for Scientific Research (online). Invited seminar: "Historia pre-colonial en Sudamérica: integración de información genética y cultural".
- **Maggio 2025:** Belgrado, Serbia – 13th International Congress on Haploid Markers. Talk: "Reassessing Y Chromosome Diversity with the T2T Human Genome Reference".
- **Ottobre 2024:** Busan, Corea del Sud – IBS conference on Climate and Human Evolution. Invited keynote: "Contrasting genetic and linguistic histories and population dynamics".
- **Settembre 2024:** Caracas, Venezuela – Venezuelan Institute for Scientific Research. Invited seminar: "Historias genéticas y culturales humanas".
- **Settembre 2024:** Roma, Italia – Congresso Gruppo Italiano Giovani Antropologhe, Invited keynote: "Human genetic and cultural histories: blending disciplines and creating narratives".
- **Maggio 2024:** Barcellona, Spagna – Invited seminar: "Matches and Mismatches between human genetic and linguistic histories".
- **Febbraio 2024:** Leida, Paesi Bassi – Invited seminar: "A global analysis of matches and mismatches between human genetic and linguistic histories".
- **Gennaio 2024:** Vienna, Austria – HEAS seminar series Ancient Genomics. Invited seminar: "Contrasting linguistic and genetic histories with a global genetic dataset".
- **Settembre 2023:** Caracas, Venezuela – Simposio de Investigación en Arqueología y Paleontología de Venezuela. Invited talk: "Migraciones y diversidad humana en Sudamérica: una perspectiva genética".
- **Agosto 2023:** Zurigo, Svizzera – Annual conference of the Latin American Center Zurich. Invited Keynote: "Genética, lenguaje y el poblamiento de América del Sur".
- **Agosto 2023:** Lipsia, Germania – Invited seminar: "Contrasting linguistic and genetic histories with a global genetic dataset".
- **Aprile 2023:** Zurigo, Svizzera - Speech Units Workshop. Invited Talk: "Participation and transparency in the field: a conversation on best ethical practice".
- **Maggio 2023:** Budapest, Ungheria - 12th Haploid Markers Conference. Invited Keynote: "A global analysis of matches and mismatches between human genetic and linguistic histories".

- **Marzo 2023:** Tohoku University, Giappone – Yotta Informatics symposium. Invited speaker (online): "Contrasting linguistic and genetic histories of human populations with a global genetic dataset".
- **Settembre 2022:** Heidelberg, Germania - EMBO | EMBL Symposium Reconstructing the human past: using ancient and modern genomics. Talk: "The genetic history of the southern Andes reconstructed from present day Mapuche ancestry".
- **Dicembre 2021:** Barcellona, Spagna (online)– Master course of empirical linguistics. Invited lecture: "Genetic and linguistic diversity: reconstructing the past, understanding the present".
- **Novembre 2021:** Jena, Germania (online)– Workshop: Archaeology and language. Invited speaker (with Matthias Urban and Kurt Rademaker): "The languages of the Andes".
- **Ottobre 2021:** Friburgo, Germania – Workshop: Critical Life Science. Invited speaker: "Genetic studies and multidisciplinary approaches between history, representation and identity".
- **Settembre 2021:** Zurigo, Svizzera – Workshop: The molecular anthropology of language. Invited speaker: "Matches and mismatches between human genetic history and language diversity".
- **Agosto 2021:** Zurigo, Svizzera – Workshop: The reconstruction of human history through an interdisciplinary approach. Invited speaker: "Mobility vs continuity: confronting stories and perspectives from the genetic record".
- **Maggio 2021:** Zurigo, Svizzera – Conference "Race and racism" (online). Invited speaker: "Racism and representation in genetic and bioanthropological studies".
- **Gennaio 2021:** Lima, Perù – Global Microbiome Network-First Latin American Symposium (online). Invited speaker: "Bioanthropological research and community participation in South America".
- **Ottobre 2020:** Zurigo, Svizzera – NCCR-ISLE colloquium series, UZH (online). Invited speaker: "Integrating human genetics and linguistic diversity".
- **Maggio 2020:** Tubinga, Germania – Weekly kolloquium DFG Center Words, Bones, Genes and Tools, (online). Invited speaker: "Bridging the cultural and biological histories of human populations - from local to global".
- **Aprile 2020:** Los Angeles, USA – AAPA annual meeting (online). Poster presentation: "Genetic relationships and linguistic diversity in present-day populations of South America".
- **Novembre 2019:** Lima, Perù – Simposio Genómica, Salud, Historia y Diversidad Humana. Invited speaker: "Migración, Genética y Lingüística en la Prehistoria de Sudamérica".
- **Giugno 2019:** Spalato, Croazia – 11th ISABS Conference on Human Genome Project Based Applications in Forensic Science, Anthropology and Individualized Medicine. Poster presentation: "A catalogue of human ancestry components from population studies".
- **Giugno 2019:** Ginevra, Svizzera – Conference Peopling History of Africa. Poster presentation: "A bioarchaeological study of African individuals from an early Colonial period context from Mexico City".

- **Aprile 2019:** Zurigo, Svizzera – Ringvorlesung der Kommission UZH Interdisziplinär. Invited seminar: "Genetic footprints of pre- and post-colonial contact in the Americas".
- **Marzo 2019:** Heidelberg, Germania – EMBO-EMBL symposium Reconstructing the Human Past - Using Ancient and Modern Genomics. Talk and poster: "Gene-Language mismatches in global human history".
- **Marzo 2019:** Friburgo, Svizzera – Invited lecture: "Genes and Languages: bridging our biological and cultural history".
- **Marzo 2019:** Zurigo, Svizzera – Inaugural workshop of the Center for the Interdisciplinary Study of Language Evolution. Talk: "Language-Gene mismatches in global human history".
- **Dicembre 2018:** Jena, Germania – Historical linguistics workshop. Invited speaker: "Bridging human genetic diversity and language change".
- **Agosto 2018:** Zurigo, Svizzera – Mini-symposium of the Latin American Center Zurich. Invited speaker: "Genetic fingerprints of human migration and contact in South America".
- **Luglio 2018:** Yokohama, Giappone – workshop "the (co-)evolution of genes, languages, and music from data analyses to theoretical models" Invited speaker: "Matches and mismatches between genes and languages: a case study from South America".
- **Luglio 2018:** Yokohama, Giappone – Meeting of the Society of Molecular Biology and Evolution. Poster presentation: "Genome-wide variation in the Andes, Amazonia and Pacific coast of western South America".
- **Giugno 2018:** Nimega, Paesi Bassi – conference Interdisciplinary Approaches in the Language Sciences. Invited Speaker: "Language and genes: bridging our biological and cultural history".
- **Novembre 2017:** Hinxton, UK – conference Human Evolution: Fossils, Ancient and Modern Genomes. Poster presentation: "Reconstructing human diffusion and collapse in the Americas".
- **Ottobre 2017:** San Paolo, Brasile – Invited talk: "Evidencia genética de expansión y colapso poblacionales en las Américas".
- **Ottobre 2017:** Belo Horizonte, Brasile – symposium "Populating the diverse landscapes of South America". Invited participant.
- **Settembre 2017:** Tubinga, Germania – Invited talk: "Matches and mismatches between genetic and linguistic diversity".
- **Giugno 2017:** Barcellona, Spagna – workshop Co-evolutionary patterns and transition: Analysing processes of cultural change in cross-cultural and diachronic contexts. Invited talk: "Matches and mismatches between genetic and linguistic diversity: A case-study from the Andes".
- **Marzo 2017:** Nimega, Paesi Bassi – Invited Lecture at Max Planck Institute for Psycholinguistics "Matches and mismatches between genetic and linguistic diversity".
- **Dicembre 2016:** Parigi, Francia – Workshop "DNA polymorphisms in human populations". Talk: "Reconstructing human diffusion and collapse in the Americas".
- **Novembre 2016:** Tubinga, Germania – Symposium "New perspectives on the peopling of the Americas". Invited speaker: "Reconstructing demographic change and population movements through the Amazonia to Pacific corridor".

- **Agosto 2016:** Jena, Germania – Mini African Symposium – Linguistics, Genetics and Archaeology. Invited talk: "The role of West Africa within sub-Saharan genetic diversity".
- **Luglio 2016:** Gold Coast, Australia – Meeting of the Society of Molecular Biology and Evolution. Poster presentation: "Reconstructing human diffusion and collapse in the Americas".
- **Aprile 2016:** Berlino, Germania – Workshop Haploid Markers. Talk: "Y chromosome sequences from southern Africa: diversity, coalescence times, and rate variation".
- **Gennaio 2016:** Huddersfield, UK – Invited Lecture: "Insights into African population prehistory - From genetic and linguistic data".
- **Settembre 2015:** Londra, UK – Meeting of the European Society for the study of Human Evolution (ESHE). Talk: "Paleolithic signatures from European glacial refugia revealed by mtDNA genomes".
- **Maggio 2015:** Lipsia, Germania – Workshop "Speaking (of) Khoisan: a symposium reviewing southern African prehistory". Invited speaker.
- **Febbraio 2015:** Lipsia, Germania – The Human Mutation Rate Meeting. Poster presentation: "Estimating the TMRCA of the Y chromosome phylogeny with new sequence data from southern Africa".
- **Giugno 2014:** Halle, Germania – Workshop "The Claims of Descent: Science, Representation, Race and Redress in 21st Century South Africa". Invited speaker. Talk "The use of the "ethnolinguistic" unit in genetic and linguistic research".
- **Aprile 2014:** Leicester, UK – EMBO congress "Human evolution in the genomic era: Origins, populations and phenotypes". Talk and poster: "Language contact and genetic variation in South America: the case of the Peruvian Yanasha".
- **Ottobre 2013:** Boston, USA – Meeting of the American Society of Human Genetics. Poster presentation: "Y chromosomal sequences from southern Africa allow direct comparison of paternal and maternal prehistories".
- **Agosto 2013:** Lipsia, Germania – Workshop on Language diversity and prehistory. Invited speaker. Talk: "Prehistorical relationships in the Americas inferred through population genetics".
- **Settembre 2012:** Firenze, Italia – Incontro Nazionale Giovani Antropologi. Invited speaker. Talk: "Variabilità genetica e linguistica a confronto in popolazioni Khoisan africane".
- **Giugno 2012:** Dublino, Irlanda – Meeting of the Society of Molecular Biology and Evolution. Poster presentation: "mtDNA genomes of Khoisan populations deciphered under a linguistic and social anthropological perspective".
- **Novembre 2011:** Lipsia, Germania – Symposium on Population Prehistory of the Andes: A Cross-Disciplinary Conspectus. Invited presentation.
- **Ottobre 2011:** Berlino, Germania – Workshop on Methodology in Linguistic Prehistory. Invited speaker. Barbieri C. & Pakendorf B. "Integrating molecular data into the linguistic perspective on Khoisan prehistory".
- **Luglio 2010:** Lione, Francia – SBE meeting. Poster presentation: "Complete mtDNA genome and Y chromosome data from West Africa: demographic history and population contact in Burkina Faso".

- **Giugno 2009:** Spalato, Croazia - 6th ISABS Conference on Human Genome Project Based Applications in Forensic Science, Anthropology and Individualized Medicine. Talk and poster: "mtDNA variability in native Andean populations: the case of Lake Titicaca".
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Grant, premi, borse di studio

- **Ottobre 2024:** Grant "TTF grant" dal Swiss National Centre of Competence in Research (NCCR) Evolving Language, per il progetto "Upscaling gene-language comparisons through historical paths and present-day diversity" (60.000 CHF).
 - **Novembre 2022:** Grant "new research format" per la produzione di un documentario, dal Latin American Zentrum Zurich, Svizzera (2.000 CHF).
 - **Agosto 2021:** Fellowship per l'organizzazione di workshop dal NCCR Evolving Language (3.000 CHF) e dal Latin American Zentrum Zurich, Svizzera (3.000 CHF).
 - **2017 - 2019:** Post-Ph.D. Research Grant dalla Wenner-Gren Foundation (20.000 \$).
 - **Dicembre 2018:** Fellowship per l'organizzazione di simposi dall'University Research Priority Program "Evolution in Action" dell'Università di Zurigo, Svizzera (3.200 CHF).
 - **Febbraio 2015:** Grant per fieldwork in Peru dal Department of Linguistics, Max Planck Institute for Evolutionary Anthropology, Lipsia (1500 €).
 - **Settembre 2013:** Premio per la Miglior Tesi di Dottorato dall'Associazione Italiana di Genetica.
 - **Giugno 2011:** Borsa di studio per le tasse del Summer Institute in Statistical Genetics dall'Università di Washington, Seattle, USA (1200 \$).
 - **Giugno 2009:** Spalato, Croazia - 6th ISABS Conference on Human Genome Project Based Applications in Forensic Science, Anthropology and Individualized Medicine. Vincitrice del Young Investigator Award (500 €).
 - **Aprile 2007:** Grant dall'Università di Bologna per fieldwork in Peru (1000 €).
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Esperienza di insegnamento

Università di Cagliari

- **Corsi di Laurea Magistrale:**
 - **2024 - 2025:** Modulo semestrale "Evolutionary Genomics" 7 CFU.

Università di Zurigo

- **Corsi di Laurea Triennale:**
 - **2018 - 2024:** Corso intensivo BIO373, Next Generation Sequencing for Evolutionary and Ecological Genomics.

- **Corsi di Laurea Magistrale:**
 - **2019 - 2023:** Modulo semestrale "Introduction to Human Genetics and Bioanthropology for linguists".
- **Corsi di Dottorato:**
 - **2019, 2020, 2022:** BIO624 - Human Genetic, Demographic and Cultural Diversity.

Università di Lipsia

- **2010 - 2013:** Lezioni per il corso di laurea in Antropologia Molecolare.

Università di Bologna

- **2008 - 2017:** Assistente all'insegnamento per corsi di laurea triennale e magistrale: Genetica Umana, Antropologia Fisica, Anatomia Umana e Osteologia, Ecologia Umana, Genetica Statistica per l'Antropologia Molecolare. Lezioni, sessioni di laboratorio, sessioni al computer e valutazione.

Insegnamento per programmi di dottorato

- **2019:** Bioinformatic analysis in human genetic diversity. Tutor su invito per il workshop sulla diversità umana presso l'Università di San Martín de Porres, Lima, Perù. 2 giorni di lezioni ed esercizi.
- **2016-2017:** Tutor per la Spring School of Quantitative Methods/Masterclass, MPI SHH Jena. Introduzione alla Genetica e ricostruzione filogenetica. 2 giorni di lezioni ed esercizi.

Affiliazioni Professionali

Society for Molecular Biology and Evolution, European Society for the study of Human Evolution, Associazione Antropologica Italiana, Associazione Genetisti Italiani, Società Italiana di Biologia Evoluzionistica, Registro degli Antropologi Forensi Italiani, Lateinamerika-Zentrum Zürich.

Attività di divulgazione

- Produttrice del documentario "Finding First Peoples: the Mapuche" (CH/IT, 2023, 65 min, regista: Renato Giugliano), finanziato con risorse ottenute da varie istituzioni a Zurigo. Il progetto audiovisivo mostra come gli scienziati possano interagire con i

partecipanti a uno studio, promuovere pratiche etiche nella scienza genomica e dare voce alle minoranze indigene del Cile meridionale.

- Realizzazione di un cortometraggio sul Linguaggio per lo Zurich SciFilm Hackathon.
- Cura delle rassegne stampa per articoli scientifici. Intervistata per The Atlantic, Smithsonian Magazine, UZH magazine, Pikaia (IT), Betapress (IT), OggiScienza (IT), Radio3 RAI scienza (IT), SRF – Swiss Radio Television. Partecipazione al documentario "Peru's Mysterious Cloud Warriors" per Curiosity Stream channel.
- Scuole: Partecipazione ai programmi "Skype a Scientist" e "Penne amiche della Scienza" per la divulgazione scientifica nelle scuole superiori. Seminari Zoom per presentare il lavoro della ricerca scientifica e l'importanza delle donne nella scienza (in Italia).
- Pubblico generico: relatrice su invito per eventi dell'8 marzo per promuovere il ruolo delle donne nella scienza/STEM (in Italia).

Altre attività accademiche e qualifiche

- **Revisore per:** Molecular Biology and Evolution, American Journal of Human Genetics, BMC Genomics, PNAS, Cell, Plos One, American Journal of Physical Anthropology, European Journal of Human Genetics, American Journal of Human Biology, AIMS Genetics, Quaternary International, Human Heredity, Journal of Language Evolution, Forensic Science International: Genetics, Scientific Reports, Nature Communication, Current Anthropology, Annals of Human Genetics, Genome Biology.
- Revisore ad hoc per tesi di dottorato, tesi di master, bandi di ricerca nazionali e internazionali. Membro di commissioni di revisione di dottorato. Membro del programma di dottorato in Scienze della Vita presso l'Università di Zurigo e del collegio dei docenti dell'Università di Cagliari. Tutore principale per 3 studenti di master, 2 tesi di laurea triennale, 2 studenti di dottorato presso l'Università di Zurigo.
- Associate editor per il Journal of Language Evolution. Academic editor per PeerJ.
- Membro del comitato scientifico della conferenza EvoLang – Evolution of Language. Membro del comitato direttivo per l'URPP Evolution in Action presso l'Università di Zurigo. Ricercatrice senior del NCCR Evolving Language – National Science Foundation, Svizzera.
- Abilitazione scientifica nazionale come professore associato in Antropologia e Genetica Umana. Abilitazione Scientifica Nazionale: 05/B1, valida fino al 05/04/28; 05/I1, valida fino al 26/07/28.

Publications

- Menéndez, L.P., Rios, C., Acosta Morano, C., Novellino, P., Schmelzle, T., Aguirre-Fernández, G., Breidenstein, A., Barquera, R., Schuenemann, V.J., Stafford, T.W., Sánchez-Villagra, M.R., **Barbieri, C.**, 2025. A human skeleton from Última Esperanza, South-West Patagonia, Chile: Osteobiography, morphometric, and genetic analysis. *Journal of Archaeological Science: Reports* 65, 105237. <https://doi.org/10.1016/j.jasrep.2025.105237>
- Graff, A., Chousou-Polydouri, N., Inman, D., Skirgård, H., Lischka, M., Zakharko, T., **Barbieri, C.**, & Bickel, B. 2025. Curating global datasets of structural linguistic features for independence. *Scientific Data*, 12(1), 106. <https://doi.org/10.1038/s41597-024-04319-4>
- Resutik, P., Schneider, J., Aeschbacher, S., Vigeland, M. D., Gysi, M., Moser, C., **Barbieri, C.**, Widmer, P., Currat, M., Kratzer, A., Krützen, M., Haas, C., & Arora, N. 2025. Uncovering genetic signatures of the Walser migration in the Alps: Patterns of diversity and differentiation. *Forensic Science International: Genetics*, 76, 103206. <https://doi.org/10.1016/j.fsigen.2024.103206>
- Morris, A. G., Salie, T., Mittnik, A., Rebello, G., **Barbieri, C.**, Parkington, J., Krause, J., & Ramesar, R. 2025. Reconstructing ancient Southern African mitochondrial genomes at Faraoskop. *Archaeological and Anthropological Sciences*, 17(1), 11. <https://doi.org/10.1007/s12520-024-02130-1>
- Passmore S, Wood ALC, **Barbieri C**, Shilton D, Daikoku H, Atkinson QD & Savage PE. 2024. Global musical diversity is largely independent of linguistic and genetic histories. *Nat Commun* 15, 3964. <https://doi.org/10.1038/s41467-024-48113-7>
- Arango-Isaza E, Aninao MJ, Campbell R, Martínez FI, Shimizu KK, **Barbieri C**. 2023. Bridging the Gap: Returning Genetic Results to Indigenous Communities in Latin America. *Frontiers in Genetics* 14. <https://www.frontiersin.org/articles/10.3389/fgene.2023.1304974>.
- Menéndez LP, **Barbieri C**, López Cruz IG, Schmelzle T, Breidenstein A, Barquera R, Borzi G, Schuenemann VJ, Sánchez-Villagra M. 2023. On Roth's "human fossil" from Baradero, Buenos Aires Province, Argentina: morphological and genetic analysis. *Swiss J Palaeontol* 142, 26. <https://doi.org/10.1186/s13358-023-00293-3>
- Arango-Isaza E, Capodiferro MR, Aninao MJ, Babiker H, Aeschbacher S, Achilli A, Posth C, Campbell R, Martínez FI, Heggarty P, Sadowsky S, Shimizu KK, **Barbieri C**. 2023. The genetic history of the southern Andes from present-day Mapuche ancestry. *Current Biology* 33, 1-14. <https://doi.org/10.1016/j.cub.2023.05.013> [LINK](#)
- Capodiferro MR, Chero Osorio AM, Rambaldi Migliore N, Tineo Tineo DH, Raveane A, Xavier C, Bodner M, Simão F, Ongaro L, Montinaro F, Lindo J, Huerta-Sanchez E, Politis G, **Barbieri C**, Parson W, Gusmão L, Achilli A. 2023. The multifaceted genomic history of Ashaninka from Amazonian Peru. *Current Biology*. 33(8):1573-1581.e5. doi: 10.1016/j.cub.2023.02.046. [LINK](#)
- Barbieri, C.**, Blasi, D. E., Arango-Isaza, E., Sotiropoulos, A. G., Hammarström, H., Wichmann, S., Greenhill, S. J., Gray, R. D., Forkel, R., Bickel, B., & Shimizu, K. K. 2022. A global analysis of matches and mismatches between human genetic and linguistic histories. *Proceedings of the National Academy of Sciences*, 119(47), e2122084119 <https://www.pnas.org/doi/10.1073/pnas.2122084119>
- Sotiropoulos, A.G., Arango-Isaza, E., Ban, T., **Barbieri, C.**, Bourras, S., Cowger, C., Czembor, P.C., Ben-David, R., Dinor, A., Ellwood, S.R., Graf, J., Hatta, K., Helguera, M., Sánchez-Martín, J., McDonald, B.A., Morgounov, A.I., Müller, M.C., Shamanin, V., Shimizu, K.K., Yoshihira, T., Zbinden, H., Keller, B., Wicker, T., 2022. Global genomic analyses of wheat powdery mildew reveal association of pathogen spread with historical human migration and trade. *Nat. Commun.* 13, 4315. <https://doi.org/10.1038/s41467-022-31975-0>
- Lankheet I, Vicente M, **Barbieri C**, Schlebusch C. 2021. The performance of common SNP arrays in assigning African mitochondrial haplogroups. *BMC Genomic Data* 221 22, 1–8

Aguirre-Fernández G*, **Barbieri C***, Graff A, Pérez de Arce J, Moreno H, Sánchez-Villagra MR. (*first authors contributed equally). 2021. "Cultural macroevolution of musical instruments in South America". *Humanit Soc Sci Commun* 8, 208. <https://doi.org/10.1057/s41599-021-00881-z>

Schlebusch CM, Loog L, Groucutt HS, King T, Rutherford A, **Barbieri C**, Barbujani G, Chikhi L, Stringer C, Jakobsson M, Eriksson A, Manica A, Tishkoff SA, Scerri EM, Scally A, Brierley C, & Thomas MG. 2021. Human origins in Southern African palaeo-wetlands? Strong claims from weak evidence. *Journal of Archaeological Science*, 130, 105374. <https://doi.org/10.1016/j.jas.2021.105374>

Urban M & **Barbieri C**. 2020. North and South in the ancient Central Andes: contextualizing the archaeological record with evidence from linguistics and molecular anthropology. *Journal of Anthropological Archaeology*, 60, 101233

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