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Work address: Schlebusch Laboratory, sub-department of Human Evolution,
Department of Organismal Biology, Evolutionary Biology Centre, Uppsala University.
Norbyvägen 18C, SE-752 36 Uppsala, Sweden.

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ACADEMIC EDUCATION

- 2012 – 2015 **PhD in Biological Anthropology**, Faculty of Medicine, University Paul Sabatier (UPS), Toulouse, France. PhD's Adviser: Jean-Michel Dugoujon. Thesis Defence date: December 17th 2015. PhD thesis dissertation: <http://thesesups.ups-tlse.fr/2957>.
- 2011 – 2012 **MSc in Tropical Parasitic Diseases**, Faculty of Pharmacy, University of Valencia (UV), Valencia, Spain. Master's Adviser: Santiago Mas-Coma.
- 2009 – 2011 **MSc in Physical Anthropology** ("*Evolution and Human Biodiversity*"), Autonomy University of Madrid (UAM), Madrid, Spain. Master's Adviser: Rosario Calderon.
- 2003 – 2009 **BSc in Biology**, Complutense University of Madrid (UCM), Madrid, Spain.

WORK EXPERIENCE AND APPOINTMENTS

- 2018 – *Present* **ERC-funded Postdoctoral Researcher** at Uppsala University, Sweden. Funding: EU ERC-2017-STG-AfricanNeo ("*The African Neolithic: A genetic perspective*"). Adviser: Carina Schlebusch.
Postdoc fellowship funded in part by the Sven & Lilly Lawski's Foundation since June 2019.
- February 2019 **Visiting Researcher** at Sydney Brenner Institute for Molecular Bioscience (SBIMB), University of the Witwatersrand, Johannesburg, South Africa. Adviser: Michele Ramsay.
- 2016 – 2018 **ANR-funded CNRS Postdoc Fellow** at Mankind museum, Laboratory of Ecological Anthropology and Ethnobiology (CNRS UMR7206), CNRS-MNHN-University Paris Diderot, Paris France. Funding: French ANR-15-METHIS grant (entitled "*Influence of admixture histories on the genetic evolution of hybrid populations*"). Adviser: Paul Verdu.
- May-Jul 2016 **Postdoctoral Researcher** at the Laboratory of Biological Anthropology (ADES, UMR-7268), Aix-Marseille Université, Marseille, France. Adviser: Stephane Mazieres and Caroline Costedoat.
- August 2014 **Visiting Researcher** at the Centre for GeoGenetics, University of Copenhagen in Copenhagen, Denmark. Advisers: Hannes Schroeder and Martin Sikora.
- Apr-Jun 2014 **Visiting Researcher** at the Genetic Diversity Group, Institute of Molecular Pathology and Immunology at the University of Porto (IPATIMUP), Porto, Portugal. Adviser: Luisa Pereira.
- 2012 – 2015 **Early Stage Researcher (ESR) Fellow** at the Marie Curie Initial Training Network (MC-ITN), Laboratory of Molecular Anthropology and Image Synthesis (CNRS AMIS UMR-5288), University Paul Sabatier, Toulouse, France. Funding: grant EU MC-ITN FP7-290344 EUROTAST (entitled "*Exploring the history, archaeology, and new genetics of the transatlantic slave trade*").
- 2011 – 2012 **FPI-MICINN Fellow in Parasitology** at Faculty of Pharmacy, UV, Valencia, Spain.
- 2010 – 2011 **Honorific Collaborator Researcher** at Department of Zoology and Physical Anthropology, Faculty of Biology, UCM, Madrid, Spain.
- 2008 – 2009 **Undergraduate Research Fellow** at Faculty of Biology, UCM, Madrid, Spain.

Languages

Spanish (native), English (fluent), French (intermediate), Portuguese (basic), and Swedish(basic).

Research interests

Biological anthropology, human evolution, population genomics, admixture inference, machine learning, bioinformatics, ABC methods, whole-genome analyses, genome-wide analyses, simulations, programming languages, demographic reconstruction, population structure, natural selection, human evolution, bio-archaeology, Y-chromosome, and whole mitochondrial genome.

BIBLIOGRAPHIC SUMMARY

24 peer-reviewed publications, 4 chapter books, 2 books, and 2 articles submitted for peer-review. 15 publications as a first author, last author, or joint first/last author (# indicates equal authorship).
ResearcherID: [M-1007-2019](#) Researchgate: https://www.researchgate.net/profile/Cesar_Fortes-Lima
Google Scholar: <https://scholar.google.es/citations?hl=en&user=ILHn8C0AAAAJ>
PUBMED Author ID: <https://pubmed.ncbi.nlm.nih.gov/?term=%22Fortes-Lima%20C%22&sort=date>

PUBLISHED PEER-REVIEWED ARTICLES

(# indicates equal authorship)

24. Breton G[#], **Fortes-Lima C[#]**, and Schlebusch C. *Revisiting the demographic history of Central African populations from a genetic perspective. **Human Population Genetics and Genomics (HPGG)** 2021. 1(1):0004. Note: Invited review for Special Issue on “Luca Cavalli-Sforza’s legacy, 99 years after his birth”. Open Access. doi: [10.47248/hpgg2101010004](https://doi.org/10.47248/hpgg2101010004)*
23. **Fortes-Lima C** and Verdu P. *Anthropological Genetics Perspectives on the Transatlantic Slave Trade. **Human Molecular Genetics (HMG)** 2021. 30(R1):R79–R87. Note: Invited review for the HMG Specialist Review Issue entitled “Evolutionary Genomics in Africa”. Open Access. PMID: [33331897](https://pubmed.ncbi.nlm.nih.gov/33331897/). doi: [10.1093/hmg/ddaa271](https://doi.org/10.1093/hmg/ddaa271)*
22. Černý V, **Fortes-Lima C[#]** and Tříška P[#]. *Demographic history and admixture dynamics in African Sahelian populations. **Human Molecular Genetics (HMG)** 2021. 30(R1):R29–R36. Note: Invited review for the HMG Specialist Review Issue entitled “Evolutionary Genomics in Africa”. Open Access. PMID: [33105478](https://pubmed.ncbi.nlm.nih.gov/33105478/). doi: [10.1093/hmg/ddaa239](https://doi.org/10.1093/hmg/ddaa239)*
21. **Fortes-Lima C[#]**, Laurent R[#], Thouzeau V, Toupance B, and Verdu P. *Complex genetic admixture histories reconstructed with Approximate Bayesian Computation. **Molecular Ecology Resources (Mol Ecol Resour)** 2021. 21(4):1098–1117. Note: Article included in the journal Special Issue on “Machine Learning”. Open Access. PMID: [33452723](https://pubmed.ncbi.nlm.nih.gov/33452723/). doi: [10.1111/1755-0998.13325](https://doi.org/10.1111/1755-0998.13325)*
20. Sengupta D[#], Choudhury A[#], **Fortes-Lima C**, Aron S, Whitelaw G, Bostoen K, Gunnink H, Chousou-Polydouri N, Delius P, Tollman S, Gomez-Olive Casas F, Norris S, Mashinya F, Alberts M, Hazelhurst S, Schlebusch CM, and Ramsay M. *Genetic-substructure and complex demographic history of South-African Bantu-speakers. **Nature Communications (Nature Comm)** 2021. 12(1):2080. Open Access. PMID: [33828095](https://pubmed.ncbi.nlm.nih.gov/33828095/). doi: [10.1038/s41467-021-22207-y](https://doi.org/10.1038/s41467-021-22207-y)*
19. Seidensticker D[#], Hubau W[#], Verschuren D, **Fortes-Lima C**, de Maret P, Schlebusch C, and Bostoen K. *Population Collapse in Congo Rainforest from AD 400 Urges Reassessment of the Bantu Expansion. **Science Advances (Sci Adv)** 2021. 7(7):eabd8352. Research Topic: Anthropology. Open Access. PMID: [33579711](https://pubmed.ncbi.nlm.nih.gov/33579711/). doi: [10.1126/sciadv.abd8352](https://doi.org/10.1126/sciadv.abd8352)*
18. **Fortes-Lima C** and Schlebusch C. *Closing the gaps in genomic research. Spotlight article. **Trends in Genetics** 2021. 37(2):104–106. Open Access. PMID: [33246657](https://pubmed.ncbi.nlm.nih.gov/33246657/). doi: [10.1016/j.tig.2020.11.005](https://doi.org/10.1016/j.tig.2020.11.005)*
17. Debortoli G[#], de Araujo GS[#], **Fortes-Lima C**, Parra EJ, Suarez-Kurtz G. *Identification of*

ancestry proportions in admixed groups across the Americas using three clinical pharmacogenomic SNP panels. *Scientific Reports* **2021**.11(1):1007. Open Access. PMID:[33441860](#). doi:[10.1038/s41598-020-80389-9](#)

16. Bouakaze C[#], Delehelle F[#], Saenz-Oyhéréguy N[#], Schiavinato S, Moreira A, Croze M, Delon S, **Fortes-Lima C**, Gibert M, Bujan L, Huyghe E, Bellis G, Calderon R, Hernández CL, Avendaño-Tamayo E, Bedoya G, Salas A, Mazières S, Chiaroni J, Migot-Nabias F, Ruiz-Linares A, Dugoujon J-M, Thèves C, Mollereau-Manauté C, Poulet N, King T, D'Amato ME, and Balaesque P. *Predicting haplogroups using a versatile machine learning program (PredYMaLe) on a new mutationally balanced 32 Y-STR multiplex (ComBYplex): unlocking the full potential of the human STR mutation rate spectrum to estimate forensic parameters. Forensic Sciences International-Genetics (FSIG)* **2020**. 48:102342. PMID: [32818722](#). doi: [10.1016/j.fsigen.2020.102342](#)
15. Debortoli G[#], Abbatangelo C[#], Ceballos F[#], **Fortes-Lima C**, Norton HL, Ozarkar S, Parra EJ, and Jonnalagadda M. *Novel insights on demographic history of tribal and caste groups from West Maharashtra (India) using genome-wide data. Scientific Reports* **2020**. 10(1):10075. Open Access. PMID: [32572090](#). doi: [10.1038/s41598-020-66953-3](#)
14. Semo A, Gayà-Vidal M, **Fortes-Lima C**, Alard B, Oliveira S, Almeida J, Prista A, Damasceno A, Fehn AM, Schlebusch C, and Rocha J. *Along the Indian Ocean coast: genomic variation in Mozambique provides new insights into the Bantu expansion. Molecular Biology and Evolution (MBE)* **2020**. 37(2):406-416. Open Access. PMID: [31593238](#). doi: [10.1093/molbev/msz224](#)
13. **Fortes-Lima C**, Mtetwa E, and Schlebusch C. *Unraveling African diversity from a cross-disciplinary perspective. News article. Evolutionary Anthropology* **2019**. 28(6):288-292. Open Access. Note: Top 10% most downloaded paper in *Evolutionary Anthropology* between 2018 and 2019. PMID: [31617954](#). doi: [10.1002/evan.21801](#)
12. Lona-Durazo F, Hernandez-Pacheco N, Fan S, Zhang T, Choi J, Kovacs MA, Loftus SK, Le P, Edwards M, **Fortes-Lima CA**, Eng C, Huntsman S, Hu D, Gómez-Cabezas EJ, Marín-Padrón LC, Grauholm J, Mors O, Burchard EG, Norton HL, Pavan WJ, Brown KM, Tishkoff S, Pino-Yanes M, Beleza S, Marcheco-Teruel B, and Parra EJ. *Meta-analysis of GWA studies provides new insights on the genetic architecture of skin pigmentation in recently admixed populations. BMC Genetics* **2019**. 20(1):59. Open Access. PMID: [31315583](#). doi: [10.1186/s12863-019-0765-5](#)
11. **Fortes-Lima C**[#], Bybjerg-Grauholm J, Marin-Padrón LC, Gomez-Cabezas EJ, Bækvad-Hansen M, Hansen CS, Le P, Hougaard DM, Verdu P, Mors O, Parra EJ[#], and Marcheco-Teruel B. *Exploring Cuba's population structure and demographic history using genome-wide data. Scientific Reports* **2018**. 8(1):11422. Open Access. PMID: [30061702](#). doi: [10.1038/s41598-018-29851-3](#)
10. Jagadeesan A, Gunnarsdóttir ED, Ebenesersdóttir SS, Guðmundsdóttir VB, Thordardóttir EL, Einarisdóttir MS, Jónsson H, Dugoujon JM, **Fortes-Lima C**, Migot-Nabias F, Massougbojji A, Bellis G, Pereira L, Másson G, Kong A, Stefánsson K, and Helgason A. *Reconstructing an African haploid genome from the 18th century. Nature Genetics* **2018**. 50(2):199-205. PMID: [29335549](#). doi: [10.1038/s41588-017-0031-6](#)
9. **Fortes-Lima C**, Gessain A, Ruiz-Linares A, Bortolini MC, Migot-Nabias F, Bellis G, Moreno-Mayar JV, Restrepo BN, Rojas W, Avendaño-Tamayo E, Bedoya G, Orlando L, Salas A, Helgason A, Gilbert MTP, Sikora M, Schroeder H[#], and Dugoujon JM[#]. *Genome-wide Ancestry and Demographic History of African-Descendant Maroon Communities from French Guiana and Suriname. American Journal of Human Genetics (AJHG)* **2017**. 101(5):725-736. Open Access. Note: This article is part of the AJHG Collection entitled: "[Human History and Migration](#)". PMID: [29100086](#). doi: [10.1016/j.ajhg.2017.09.021](#)
8. Patin E, Lopez M, Grollemund R, Verdu P, Harmant C, Quach H, Laval G, Perry GH, Barreiro

- LB, Froment A, Heyer E, Massougbedji A, **Fortes-Lima C**, Migot-Nabias F, Bellis G, Dugoujon JM, Pereira JB, Fernandes V, Pereira L, Van der Veen L, Mouguiama-Daouda P, Bustamante CD, Hombert JM, and Quintana-Murci L. *Dispersals and genetic adaptation of Bantu-speaking populations in Africa and North America*. **Science** **2017**. Research Topic: *Human Genetics*. 356(6337):543-546. PMID: [28473590](#). doi: [10.1126/science.aal1988](#)
7. **Fortes-Lima C**, Brucato N, Croze M, Bellis G, Schiavinato S, Massougbedji A, Migot-Nabias F, and Dugoujon JM. *Genetic population study of Y-chromosome markers in Benin and Ivory Coast ethnic groups*. **Forensic Science International-Genetics (FSIG)** **2015**. 19:232-237. PMID: [26275614](#). doi: [10.1016/j.fsigen.2015.07.021](#)
 6. **Fortes-Lima C**, Dugoujon JM, Hernández CL, Reales G, and Calderón R. *Immunoglobulin genes in Andalusia (Spain). Genetic diversity in the Mediterranean space*. **Comptes Rendus Biologies** **2014**. 337(11):646-56. PMID: [25444709](#). doi: [10.1016/j.crvi.2014.08.004](#)
 5. Reales G, Hernández CL, Dugoujon JM, Novelletto A, Cuesta P, **Fortes-Lima C**, Rodríguez JN, and Calderón R. *New insights into the distribution of APOE polymorphism in the Iberian Peninsula. The case of Andalusia (Spain)*. **Annals of Human Biology** **2014**. 41(5):443-52. PMID: [24502694](#). doi: [10.3109/03014460.2013.877966](#)
 4. Afshan K, **Fortes-Lima CA**, Artigas P, Valero AM, Qayyum M, and Mas-Coma S. *Impact of climate change and man-made irrigation systems on the transmission risk, long-term trend and seasonality of human and animal fascioliasis in Pakistan*. **Geospatial Health** **2014**. 8(2):317-34. Open Access. PMID: [24893010](#). doi: [10.4081/gh.2014.22](#)
 3. Ambrosio B, Novelletto A, Hernandez C, Dugoujon JM, **Fortes-Lima C**, Rodriguez JN, and Calderon R. *Y-STR genetic diversity in autochthonous Andalusians from Huelva and Granada provinces (Spain)*. **Forensic Science International-Genetics (FSIG)** **2012**. 6(2):e66-71. PMID: [21664894](#). doi: [10.1016/j.fsigen.2011.05.007](#)
 2. Ambrosio B, Hernández C, Novelletto A, Dugoujon JM, Rodríguez JN, Cuesta P, **Fortes-Lima C**, and Calderón R. *Searching the peopling of the Iberian Peninsula from the perspective of two andalusian subpopulations: a study based on Y-chromosome haplogroups J and E*. **Collegium Antropologicum** **2010**. 34(4):1215-28. PMID: [21874703](#). url: [hrcak.srce.hr/62818](#)
 1. Ambrosio B, Dugoujon JM, Hernández C, De La Fuente D, González-Martín A, **Fortes-Lima CA**, Novelletto A, Rodríguez JN, and Calderón R. *The Andalusian population from Huelva reveals a high diversification of Y-DNA paternal lineages from haplogroup E: Identifying human male movements within the Mediterranean space*. **Annals of Human Biology** **2010**. 37(1):86-107. PMID: [19939195](#). doi: [10.3109/03014460903229155](#)

PUBLISHED SCIENTIFIC BOOKS AND CHAPTER BOOKS

6. **Fortes-Lima C**, Mtetwa, E, and Schlebusch C (Editors). *Africa, the cradle of human diversity. Cultural and biological approaches to uncover African diversity*. **Scientific Book** **2022**. Publisher: *Brill Academic Publishers*; Leiden, Netherlands. Series: African-Europe Group for Interdisciplinary Studies (AEGIS), Vol 26. ISBN: 978-90-04-50022-8. url: <https://brill.com/view/title/61230>
5. **Fortes-Lima C**. *Engagement cross-disciplinary research in Africa*. **Scientific Chapter Book** **2022**. Book title: “Africa, the cradle of human diversity. Cultural and biological approaches to uncover African diversity”. Editors: Fortes-Lima C., Mtetwa, E, and Schlebusch C. Publisher: *Brill Academic Publishers*; Leiden, Netherlands. Series: African-Europe Group for Interdisciplinary Studies (AEGIS). ISBN: 978-90-04-50022-8. Status: In press. doi: [10.1163/9789004500228_002](#)
4. **Fortes-Lima C**. *Disentangling the impact of the transatlantic slave trade in African Diaspora populations from a genomic perspective*. **Scientific Chapter Book** **2022**. Book title: “Africa,

the cradle of human diversity. Cultural and biological approaches to uncover African diversity”. Editors: Fortes-Lima C., Mtetwa, E, and Schlebusch C. Publisher: *Brill Academic Publishers*; Leiden, Netherlands. Series: African-Europe Group for Interdisciplinary Studies (AEGIS). ISBN: 978-90-04-50022-8. Status: In press. doi: [10.1163/9789004500228_012](https://doi.org/10.1163/9789004500228_012)

3. **Fortes-Lima C** and Dugoujon JM. [in French] “*La diaspora africaine dans les Amériques : l’apport des nouvelles approches génomiques pour illustrer l’héritage génétique des descendants africains dans le contexte de la traite négrière transatlantique*”. **Scientific Chapter Book 2019**. Book: *Os, sangs, gènes et cultures*. Volume: 17. Page: 175-186. Editors: Costedoat C. and Mazières S. Publisher: CNRS Editions, France. ISBN-13: [9782271134837](https://doi.org/9782271134837). doi: [10.3917/corp1.017.0175](https://doi.org/10.3917/corp1.017.0175)
2. **Fortes-Lima C** and Dugoujon JM. *Revisiting genetic ancestry in African Diaspora communities from Atlantic South America*. **Scientific Chapter Book 2018**. Book: *Trends in Biological Anthropology*. Proceedings of the British Association for Biological Anthropology and Osteoarchaeology (BABAO). Volume: 2. Page: 9-17. Editors: Jakob B. and Holst M. Publisher: Oxbow Books, United Kingdom. ISBN-13: [9781785706202](https://doi.org/9781785706202). doi: [10.2307/j.ctvh1dmwc.6](https://doi.org/10.2307/j.ctvh1dmwc.6)
1. **Fortes-Lima CA**. *Tracing the genetic origin of African descendants from South America*. **Scientific Book 2016**. Publisher: Editions Universitaires Européennes, Germany. Number of pages: 280. ISBN-10: [3639847660](https://doi.org/3639847660). url: <https://www.amazon.com/Tracing-genetic-African-descendants-America/dp/3639847660>

CO-ORGANIZING SCIENTIFIC CONFERENCES

2019 International Conference “*Africa, the cradle of human diversity. Joining cultural and biological approaches to uncover African diversity*”. May 2019, held at EBC Uppsala University, Sweden. Event supported by conference grants from the Wenner-Gren Foundation, the Riksbankens Jubileumsfond Foundation, and the Swedish Research Council (grant reference number: 2018-06734).

Conference website: <https://africathecradleofhumandiversity.wordpress.com/organizing-committee>

Short report about the event published in *Evolutionary Anthropology*: <https://doi.org/10.1002/evan.21801>

REFEREEING EXPERIENCE

Ad-hoc Reviewer for the journals: *Molecular Biology and Evolution (MBE)*; *Proc. Natl. Acad. Sci. U.S.A (PNAS)*; *Cell Genomics*; *American Journal of Human Genetics (AJHG)*; *American Journal of Physical Anthropology (AJPA)*; *Human Molecular Genetics (HMG)*; *Frontiers in Ecology and Evolution*; *Frontiers in Genetics, section Evolutionary and Population Genetics*; *Molecular Genetics and Genomics (MGG)*; *Cuban Studies*; *Current Anthropology*; and *eLife for Genomics and Evolutionary Biology* manuscripts. See recent editorial contributions here:

<https://loop.frontiersin.org/people/719423/editorial>

and here: <https://publons.com/researcher/3143826/cesar-fortes-lima/peer-review>

ACCADEMIC APPOINTMENTS AND EVALUATION OF STUDENTS

Opponent in PhD defence:

PhD student: Linda Ongaro.

Supervisors: Fancesco Montinaro, Luca Pagani and Mait Metspalu.

Project: “*A genomic portrait of American populations*”.

Location: Institute of Genomics, University of Tartu (Estonia). Date: 31st August 2021.

<https://www.genomics.ut.ee/en/events/linda-ongaro-genomic-portrait-american-populations>

Opponent in Master defence:

Master student: Ragnheidur Diljá Ásmundsdóttir.

Supervisors: Nina Hollfelder and Carina Schlebusch.

Project: “*Effect of ascertainment bias on calculations of sex-biased admixture in Southern*

Africa".

Location: Evolutionary Biology Centre, Uppsala University (Sweden). Date: 25th May 2021.
<http://uu.diva-portal.org/smash/record.jsf?dswid=5176&pid=diva2%3A1575229>

GRANTS, AWARDS, HONORS, AND FELLOWSHIPS

- Research Grants awarded to me as a principal investigator (PI):

- 2020-2021 Nilsson-Ehle Endowments for Genetic Research (2 years).
- 2020-2021 B. Lundman Foundation for Anthropological studies (2 years).
- 2019-2021 Helge Ax: son Johnson's Foundation (3 years).
- 2018-2019 Marcus Borgström Foundation for Genetic Research (2 years).
- 2018 Kristiane and O.F. Hedström Foundation for Genetic Research (1 year).
- 2018 Lars Hierta Minne Foundation (1 year).
- 2018 Nilsson-Ehle Endowments for Genetic Research (1 year).

- Fellowships awarded to support my salary:

- 2019-2021 Sven & Lilly Lawski's Foundation - Postdoc Scholarship in Genetics (2 years).
- 2016-2018 CNRS Postdoc Research Fellowship, ANR-15-METHIS grant (2 years).
- 2012-2015 EU Marie-Curie Early Stage Researcher Fellow, FP7-EUROTAST grant (3 years).
- 2010 Spanish Master's Scholarship, grant BOE-A-2010-10593 (1 year).
- 2008 Spanish Undergraduate Research Fellowship, grant BOE-A-2009-9597 (1 year).

- Travel Grants awarded to support my participation in scientific meetings:

- 2019 Nilsson-Ehle Endowments - Travel Grant for the SASHG Congress in Cape Town (SA).
- 2019 EMBO | EMBL Symposium - Travel Grant for the EMBO | EMBL Symposium in Heidelberg.
- 2018 UU Vice-Chancellor's - Travel Grant from the Knut and Alice Wallenberg Foundation.
- 2018 Nilsson-Ehle Endowments - Travel Grant for the XV ALAB Congress in Puerto Rico (US).
- 2016 Society of Mol. Biol. and Evol. - SMBE Travel Award for SMBE Satellite Meeting in Texas (US).

COMPUTER TRAINING

- 2021 Online Summer Course on *Analysis of high-throughput data for population genetics*, held at Globe Institute, University of Copenhagen, Denmark. <http://www.popgen.dk/popgen21>
- 2020 Workshop on *Awk Programming Language*, held at Karolinska Institute, Stockholm, Sweden. <https://www.pdc.kth.se/about/events/awk-workshop-1.946918>
- 2019 Course on *Python programming with applications to bioinformatics*, held at SciLifeLab, Uppsala. <https://www.scilifelab.se/events/python-programming-with-applications-to-bioinformatics-uppsala>
- 2019 SMBE Satellite Meeting and Workshop on *Speciation Genomics - Identifying barriers to gene flow in the genome*, held at the Marine Biology Lab., Tjärnö, Sweden. <https://smbespeciationgenomics.github.io>
- 2018 Course: *Introduction to Bioinformatics Using NGS Data*, held in SciLifeLab at Uppsala, Sweden. <https://www.scilifelab.se/events/introduction-to-bioinformatics-using-ngs-data-3>
- 2018 Workshop on *Population and Speciation Genomics*, held in Český Krumlov, Czech Republic. <http://evomics.org/workshops/workshop-on-population-and-speciation-genomics/2018-workshop-on-population-and-speciation-genomics-cesky-krumlov>
- 2017 Workshop on *Natural Selection in Humans: Understanding our adaptations*, held in Barcelona, Spain. <https://www.bdebate.org/en/forum/natural-selection-humans-understanding-our-adaptations>
- 2014 Workshop on *Population genetics and Bioinformatics*, held at Centre for GeoGenetics, CPH, Denmark. <http://eurotast.eu/august-2014-genotyping-workshop>

FIELDWORK EXPERIENCE

- **Biological and Linguistic Fieldwork in Africa**, for collection of biological samples and linguistic data in islands

from Cape Verde. Advisers: Paul Verdu (CNRS-MNHN, France) and Marlyse Baptista (University of Michigan, USA). May and June 2017, at Republic of **Cape Verde**.

<https://lsa.umich.edu/linguistics/news-events/all-news/recent-news/marlyse-baptista-and-team-conduct-field-work-in-cape-verde.html>

- **Archaeological Fieldwork in the Dutch Caribbean**, conducted by the St. Eustatius Center for Archaeological Research (SECAR). Advisers: Prof. Corinne Hofman and Prof. Menno Hoogland (Leiden University, The Netherlands). February 2013, at **Saint Eustatius**. (see Acknowledgements in page 4 here: https://secar.org/wp-content/uploads/2018/04/9ad7a1_3680bff2b18040baacd7109f6ae959f2.pdf).
- **Paleo-anthropological and paleo-archaeological Fieldwork in Spain**, at excavations at 'Sierra de Atapuerca'. Adviser: Prof. Juan Luis Arsuaga (UCM, Spain). Scientific collaboration with UCM-ISCIII and Centre for Research on Evolution and Human Behaviour, Madrid, Spain. July 2008 and July 2009, at Burgos, **Spain**.

TALKS AND INVITED LECTURES

2021: First Human Evolution - From Fossils to Ancient and Modern Genomes Conference . Poster Session. Title: "*Genomic insights into the demographic history and complex admixture in Latin America*". **Fortes-Lima C**. November 2021. Virtual Meeting from Wellcome Genome Campus, UK. Type: Poster presentation. <https://coursesandconferences.wellcomeconnectingscience.org/event/human-evolution-from-fossils-to-ancient-and-modern-genomes-virtual-conference-20211102>

2021: Third Cold Spring Harbor Lab (CSHL) Conference on Probabilistic Modeling in Genomics. Session 2: "*Machine Learning in Genomics*". Title: "*Complex genetic admixture histories reconstructed with Approximate Bayesian Computation*". **Fortes-Lima C**, Laurent R, Thouzeau V, Toupance B, and Paul V. April 2021. Virtual Meeting. Type: Oral presentation. <https://meetings.cshl.edu/meetings.aspx?meet=PROBGEN&year=21>

2021: First International and Interdisciplinary Conference on African Precolonial History - "Extracting the Past from the Present". Panel 3: "*Bantu expansions*". Title: "*New Genetic Light on Old Linguistic Questions from the West-Coastal Bantu Homeland*". **Fortes-Lima C**, Schlebusch C, Mundeke L, Pacchiarotti S, Bostoen K. March 2021. Virtual Meeting. Type: Oral presentation. https://banturivers.eu/wp-content/uploads/2021/02/PreliminaryProgram_Official.pdf

2020: 5th Mexico Population Genomics Meeting (#MexPopGen5). Session I: "Popgen studies in humans". Title: "*Anthropological Genetics Perspectives on the Transatlantic Slave Trade*". **Fortes-Lima C**. December 2020. Virtual Meeting. Type: Oral presentation. (abstract in page 15). https://mexpopgen.files.wordpress.com/2020/12/abstract_book_mexpopgen5.pdf

2020: 70th Annual Meeting of the American Society of Human Genetics (ASHG). Session 006: "Effects of Evolutionary History and Substructure on Modern Populations". Talk 1038 - Title: "*Genetic-substructure and complex demographic history of South African Bantu speakers*". Sengupta D, Choudhury A, **Fortes-Lima C**, Aron S, Whitelaw G, Bostoen K, Gunnink H, Chousou-Polydouri N, Hazelhurst S, Schlebusch C, Ramsay M. October 2020, Virtual Meeting. Type: Oral presentation. <https://www.abstractsonline.com/pp8/#!/9070/presentation/820>

2020: Scientific Lecture at the Institute for the Study of Latin America and the Caribbean (ISLAC). Title: "*Genetics approaches to understand the demographic history and African roots in Latin America*". **Fortes-Lima C**. January 2020, at University of South Florida, Tampa, **USA**. Note: **Invited speaker**. <https://www.usf.edu/arts-sciences/institutes/islac/events/past-events.aspx>

2019: 69th Annual Meeting of the American Society of Human Genetics (ASHG). Session 34: "Fine-scale Population Structure in Asia and America". Title: "*Exploring the demographic history of tribal and caste groups from West Maharashtra (India) using dense genome-wide data*". Jonnalagadda M, Abbatangelo C, Debortoli G, **Fortes-Lima C**, Norton H, Ozarkar S, Parra E. October 2019, at Houston, **USA**. Type: Poster presentation by Jonnalagadda M. (poster number: PgmNr 2338)- <https://eventpilotadmin.com/web/page.php?page=IntHtml&project=ASHG19&id=1922215>

2019: Third Uppsala Transposon Symposium. Session: "Understanding population and ecological dynamics within genomes". Title: "*Paleogenomic analyses of Homo genus specific NUMTs: insight into hominin evolution*". **Fortes-Lima C**, Zacarías L, Santos C. September 2019, at Uppsala University, **Sweden**. Type: Oral presentation. <https://transposonsymposium.wordpress.com/3rd-uppsala-transposon-symposium>

2019: 18th Biennial Congress of the South African Society of Human Genetics (SASHG). Session: "Our Genes, Our

Environment”. Title: “*Tracking migration, admixture and selection patterns in the Indian Ocean trade network*”. **Fortes-Lima, C.** and Schlebusch C. August 2019, Cape Town, **South Africa**. Note: Nilsson-Ehle Endowments-Travel Grant and SASHG Travel Grant. Type: Oral presentation. <http://sashg.org/wp-content/uploads/2019/09/019064-SASHG-PROGRAMME2-version-6.pdf> (page 2).

2019: XXI Congress of the Spanish Society of Physical Anthropology (SEAF). Session: “Current perspectives in Anthropology”. Title: “*Variation of Homo genus specific NUMTs: insight into human evolution*”. Zacarías L., Santos C., and **Fortes-Lima, C.** June 2019, at University of Granada, **Spain**. Type: Poster presentation. https://congresos.ugr.es/seaf2019/wp-content/uploads/sites/35/2019/06/XXI-CONGRESO-DE-LA-SEAF_RELACION-DE-POSTERES.pdf (page 6, P-45).

2019: EMBO | EMBL Symposium. Session: “Reconstructing the Human Past. Using Ancient and Modern Genomics”. Title: “*Disentangling the role of the Mozambique Channel in the Indian Ocean trade network*”. **Fortes-Lima C.**, Semo A., Prista A., Rocha J., and Schlebusch C. March-April 2019, at EMBL Heidelberg, **Germany**. Type: Poster presentation. Note: EMBO | EMBL Travel Grant and UU Vice-Chancellor’s-Travel Grant. <https://www.embo-embl-symposia.org/symposia/2019/EES19-02/index.html>

2019: Scientific Lecture at the Sydney Brenner Institute for Molecular Bioscience (SBIMB). Title: “*Reconstructing demographic and genetic links between Africa and the transatlantic diaspora in Latin America*”. **Fortes-Lima, C.** Feb. 2019, Univ. of the Witwatersrand, Johannesburg, **South Africa**. Note: **Invited speaker**.

2018: 15th Congress of the Latin American Association for Biological Anthropology (ALAB). Session: “Employing the Power of DNA to Untangle Caribbean History”. Title: “*Unraveling Cuba’s population structure and demographic history*”. **Fortes-Lima, C.**, Parra E. J., Verdu P., Marcheco-Teruel B. November 2018, at Mayagüez, Puerto Rico, **USA**. Note: Nilsson-Ehle Endowments-Travel Grant. Type: Oral presentation. <http://www.pr-science.org/sample-page>

2018: Second Joint Congress on Evolutionary Biology (ESEB, SSE, SSB, and ASN). Title: “*METHIS : Complex demographic histories of admixed populations reconstructed with Approximate Bayesian Computations*”. **Fortes-Lima, C.**, Laurent R., and Verdu P. August 2018, at The Corum, Montpellier, **France**. Poster presentation at the symposium ‘New approaches to Phylogenomics’. https://www.evolutionmontpellier2018.org/Media/evol_biology_prog_0.pdf (page 65, P-0073).

2018: Sixth RECOMB Meeting. Session: “Satellite on Computational Methods in Genetics”. Title: “*Complex demographic histories of admixed populations reconstructed with Approximate Bayesian Computations*”. **Fortes-Lima, C.**, Laurent R., and Verdu P. April 2018, at Pierre et Marie Curie Campus of Sorbonne Université, **France**. Type: Oral presentation. <http://recomb2018.fr/recomb-genetics>

2017: 28th International Population Conference of the International Union for the Scientific Study of Population (IUSSP). Title: “*Reconstructing demographic history and human migrations in African-American and West African populations based on genetic markers*”. **Fortes-Lima, C.**, Bellis G., Migot-Nabias F., Schroeder H., Dugoujon J.-M. November 2017, at Cape Town International Conference Centre, **South Africa**. Type: Oral presentation. <https://iussp.confex.com/iussp/ipc2017/meetingapp.cgi/Paper/2401>

2017: XX Congress of the Spanish Society of Physical Anthropology (SEAF). Session: “Physical Anthropology in the Genomic Era”, and international symposium on ‘Genomics in Anthropology: New challenges and opportunities’. Title: “*Admixture histories and demographic impact of the slave trade in Latin American populations*”. **Fortes-Lima C.A.**, Parra, E.J., Ruiz-Linares, A., Bortolini, M.C., Migot-Nabias, F., Bellis, G., Verdu, P., Sikora, M., Schroeder, H., Marcheco-Teruel, B., Dugoujon, J.M. July 2017, at Autonomous Univ. of Barcelona, **Spain**. Type: Oral presentation. <http://www.boapas.be/agenda/xx-congress-of-the-spanish-society-of-physical-anthropology-seaf.html>

2017: Third International Conference on “Genetics: African Ancestry, Human Genetics and Population Health in Latin America”. Title: “*The Transatlantic Diaspora: reconstructing the African Genetic Ancestry from Historical Demography perspective*”. **Fortes-Lima, C.** June 2017, at Medical University of Havana, **Cuba**. Note: **Invited speaker**. <http://hutchinscenter.fas.harvard.edu/sites/all/files/Program.pdf>

2016: Sixth International Conference on “DNA Polymorphisms in Human Populations”. Title: “*Reconstructing African links in African-American populations and new genomic insights into the Atlantic world*”. **Fortes-Lima C.**, Schroeder H., Ruiz-Linares A., Bortolini M.-C., Sikora M., Gilbert T., and Dugoujon J.-M. Decembre 2016, at Musée de l’Homme, Paris, **France**. Type: Oral presentation at the Plenary session. <http://ecoanthropologie.mnhn.fr/DPHP2016/abstract%20book%20dphp2016.pdf>

- 2016: SMBE Satellite Meeting on the Genetics of Admixed Populations. Title: “*Unraveling the genomic legacy and sex-biased ancestry patterns in African descendants from South America*”. **Fortes-Lima C.**, Schroeder H., Ruiz-Linares A., Bortolini M.-C., Gilbert T., Sikora M., and Dugoujon J.-M. May 2016 at the Texas Biomedical Research Institute, San Antonio, Texas, **USA**. Oral presentation. Note: SMBE Conference Travel Award. <http://anthgen.org/smbe2016/images/schedule.pdf>
- 2015: 65th Annual Meeting of the American Society of Human Genetics (ASHG). Session 61: “From Here to There. Reconstructing Human History”. Title: “*Computational reconstruction of a haploid genome from the 18th century*”. Jagadeesan A., Gunnarsdóttir E.D., Ebenesersdóttir S.S., Guðmundsdóttir V.B., Einarsdóttir M.S., Dugoujon J.M., **Fortes-Lima C.**, et al. October 2015, at Baltimore Convention Center, **USA**. Type: Oral presentation. <https://ep70.eventpiloadmin.com/web/page.php?page=IntHtml&project=ASHG15&id=150122397>
- 2015: Ninth ISABS Conference on Forensic and Anthropology Genetics and Mayo Clinic Lectures in Individualized Medicine. Title: “*The Genomic Legacy of the Transatlantic Slave Trade in South America*”. **Fortes-Lima C.**, Letellier T, and Dugoujon J.M. June 2015, at Bol, Island of Brač, **Croatia**. Type: Poster presentation. http://isabs.hr/publications/9th_conference_Book_of_Abstracts.pdf
- 2015: International Conference on Genetics/Heritage. Session: “New Perspectives on the Study of Atlantic Slavery”. Title: “*Genetic perspective of biogeographic ancestry in African descendants from South America*”. **Fortes-Lima C.** and Dugoujon J.M. April 2015, at International Slavery Museum, Liverpool, **United Kingdom**. Note: **Invited speaker**. <https://geneticsheritage.wordpress.com/conference-programme>

MEMBERSHIP IN ACADEMIC SOCIETIES

Member of the Society for Molecular Biology and Evolution (**SMBE**). ID Membership number: 00024729.
 Member of the American Society of Human Genetics (**ASHG**), **USA**. ID Membership number: 356254.
 Member of the American Association of Anthropological Genetics (**AAAG**), **USA**.
 Member of the African Society of Human Genetics (**AfSHG**), **South Africa**.
 Member of the Southern African Society of Human Genetics (**SASHG**), **South Africa**.
 Member of the Afro-Descendant Working Group at the Institute for the Study of Latin America and the Caribbean (**ISLAC**), University of South Florida, **USA**.

MEDIA COVERAGE

- Live TV interview at SABC News. TECH BASE: “*Searching for African roots in South America*”. Johannesburg, South Africa, March 2019: <https://www.youtube.com/watch?v=AaYJQvJgsxg>
- News about Seidensticker et al., *Science Advances* 2021 in *National Geographic* [Spanish]: “Una larga epidemia afectó a África hace más de 1.500 años” (https://www.nationalgeographic.com.es/ciencia/larga-epidemia-afecto-a-africa-hace-mas-1500-anos_16400).
- News about Jagadeesan et al., *Nature Genetics* 2018:
Planet-Vie Website [French]: “*D’où venait le premier Islandais d’origine africaine ?*” (<https://planet-vie.ens.fr/thematiques/genetique/genetique-formelle/d-ou-venait-le-premier-islandais-d-origine-africaine>).
Le Monde Blog [French]: “*Le génome d’un esclave africain né au XVIIIe siècle reconstitué à partir de ses descendants islandais*” (<https://www.lemonde.fr/blog/realitesbiomedicales/tag/genetique-des-populations>).
- News about Fortes-Lima et al., *Am J Hum Genet* 2017:
 CNRS Press [English and French]: “*Genetic history: Searching for the African roots of Noir Marron communities*” (<http://www2.cnrs.fr/en/3017.html>).
ElMundo Newspaper [Spanish]: “*GENÉTICA Investigación pionera - Cimarrones: el ADN reconstruye el viaje a América de los esclavos*” (<http://www.elmundo.es/ciencia-y-salud/ciencia/2017/11/06/59fdca0de2704e8e6f8b462f.html>).

Cesar Fortes-Lima. Uppsala, November 4th 2021.