

JGI Spain and Senegal Research Department

Publications

Last update: November 23th, 2021

Peer Reviewed Journals

2021

Köster, P.C., Renelies-Hamilton, J., **Dotras, L., Llana, M., ...**, Carmena, D. (2021). Molecular Detection and Characterization of Intestinal and Blood Parasites in Wild Chimpanzees (*Pan troglodytes verus*) in Senegal. *Animals*, 11, 3291. <https://doi.org/10.3390/ani11113291>

Barratt, C., ... **Mirghani, N., ... Pacheco, L., ...** Kühl, H. (2021). Quantitative estimates of glacial refugia for chimpanzees (*Pan troglodytes*) since the Last Interglacial (120,000 BP). *International Journal of Primatology* <https://doi.org/10.1002/ajp.23320>

Bueno de Mesquita, C.P., ... **Álvarez Varona, P., ...Hernandez-Aguilar, R.A., ...** Dunn, R.R. (2021). Structure of chimpanzee gut microbiomes across tropical Africa. *mSystems* 6:e01269-20. <https://doi.org/10.1128/mSystems.01269-20>

Lester, J., ... **Álvarez Varona, P., ...Hernandez-Aguilar, R.A., ... Pacheco, L. ...**et al. (2021). Recent genetic connectivity and clinal variation in chimpanzees. *Nature Communications* 4:283 <https://doi.org/10.1038/s42003-021-01806-x>

2020

Wessling, E. G., Dieguez, P., **Llana, M., Pacheco, L.,** Pruetz, J. D., & Kühl, H. S. (2020). Chimpanzee (*Pan troglodytes verus*) density and environmental gradients at their biogeographical range edge. *International Journal of Primatology* 41:822-848. <https://doi.org/10.1007/s10764-020-00182-3>

Kalan, A., Kulik, L., Arandjelovic, M., Boesch, C. ... **Llana, M. ... Pacheco, L. ...** et al. (2020). Environmental variability supports chimpanzee behavioral diversity. *Nature Communications* <https://doi.org/10.1038/s41467-020-18176-3>

Boesch, C., Kalan, A., Mundry, R. ... **Barciela, A. ... Hernandez-Aguilar, R.A. ... Llana, M. ... Pacheco, L. ...** et al. (2020). Chimpanzee ethnography reveals unexpected cultural diversity. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-020-0890-1>

Heinicke, S., Ordaz-Németh, I., Junker, J., Bachmann, M. E., Marrocoli, S., Wessling, E.G., ... **Hernandez-Aguilar, R.A., ...** & Kühl, H. S. (2020). Open-access platform to synthesize knowledge of ape conservation across sites. *American Journal of Primatology*, e23213. <https://doi.org/10.1002/ajp.23213>

Medkour, H., Amona, I., Laidoudi, Y., Davoust, B., Bitam, I., Levasseur, A., ...**Pacheco, L. ... Hernandez-Aguilar, R.A., Barciela, A., ...** & Mediannikov, O. (2020b). Parasitic infections in

African humans and non-human primates. *Pathogens* 9:561.

<https://doi.org/10.3390/pathogens9070561>

Medkour, H., Amona, I., Akiana, A., Davoust, B., Bitam I., Levasseur, A., ... **Hernandez-Aguilar, R.A., Barciela, A.**, ... & Mediannikov, O. (2020a). Adenovirus Infections in African humans and wild non-human primates: Great diversity and cross-species transmission. *Viruses* 12:657.

<https://doi.org/10.3390/v12060657>

Laidoudi, Y., Medkour, H., Latrofa, M.S., Davoust, B., Diatta, G., Sokhna, C., **Barciela, A., Hernandez-Aguilar, R.A.**, ... & Mediannikov, O. (2020). Zoonotic *Abbreviata caucasica* in Wild Chimpanzees (*Pan troglodytes verus*) from Senegal. *Pathogens* 9:517.

<https://doi.org/10.3390/pathogens9070517>

2019

Alonso, C., Hernansaiz, A. S., Fernández, J.M., Ruiz, N., Aransay, N., Casas, S., Pacheco, L. (2019) Range extension for the King Colobus *Colobus polykomos* (Zimmermann, 1780) in North Fouta Djallon (Guinea). *African Primates* 13:1-8.

Heinicke, S., Mundry, R., Boesch, C., Amarasekaran, B., Barrie, A., ... **Pacheco, L.**, ... et al. (2019a). Advancing conservation planning for western chimpanzees using IUCN SSC A.P.E.S. - the case of a taxon-specific database. *Environmental Research Letters* 14:064001; <https://doi.org/10.1088/1748-9326/ab1379>

Heinicke, S., Mundry, R., Boesch, C., Amarasekaran, B., Barrie, A., ... **Pacheco, L.**, ... et al. (2019b). Characteristics of positive deviants in western chimpanzee populations. *Frontiers in Ecology and Evolution* 7:16. <http://doi.org/10.3389/fevo.2019.00016>

Kühl, H. S., Boesch, C., Kulik, L., Haas, F., Arandjelovic, M., ... **Llana, M.** ... **Pacheco, L.** ... et al. (2019a). Human impact erodes chimpanzee behavioral diversity. *Science* 363:1453-1455. <https://doi.org/10.1126/science.aau4532>

Kühl, H. S., Boesch, C., Kulik, L., Haas, F., Arandjelovic, M., ... **Llana, M.** ... **Pacheco, L.** ... et al. (2019b). Inclusive chimpanzee conservation – Response. *Science* 364:1040.2-1041. <https://doi.org/10.1126/science.aax6339>

Renelies-Hamilton, J., Noguera-Julian, M., Parera, M., **Pacheco, L.**, ... & Carmena, D. (2019) Exploring interactions between *Blastocystis* sp., *Strongyloides* spp. and the gut microbiomes of wild chimpanzees in Senegal. *Infection Genetics and Evolution* 74:104010.

<https://doi.org/10.1016/j.meegid.2019.104010>

2018

Ndiaye, P. I., Lindshield, S.M., Badji, L., **Pacheco, L.**, Wessling, E.G., Boyer, K.M., & Pruetz, J.D. (2018). Survey of chimpanzees (*Pan troglodytes verus*) outside of protected areas in southeastern Senegal. *African Journal of Wildlife Research* 48:1.

<https://www.bioone.org/doi/full/10.3957/056.048.013007>

2017

Pacheco, L., Ruiz de Azua, N., Fernández-García, J. M. (2017). First record of Mountain Wagtail for Senegal. *The Bulletin of the African Bird Club* 24:88-89.

2016

Monasterio, C., **Álvarez, P.**, Trape, J-F., Rödel, M-O. (2016). The herpetofauna of the Dindéfelo Community Nature Reserve, Senegal. *Herpetology Notes* 9:1-6.

2015

Mayor, G., Merayo, J., Fernández-García, J. M, **Pacheco, L.**, **Diallo, D.** (2015). First breeding record of Heuglin's Wheatear (*Oenanthe heuglini*) for Senegal. *The Bulletin of the African Bird Club* 22:214-215

2013

Fernández-García, J. M., Ruiz de Azua, N., **Pacheco, L.** (2013). Birds of Dindéfello Nature Reserve, south-east Senegal. *The Bulletin of the African Bird Club* 20:49-59.

Pacheco, L., **Ruiz de Azua, N.**, **Fernández-García, J. M.**, **Aransay, N.**, **Guallar, F.**, Gaubert, P. (2013). First record of Johnston's Genet (*Genetta johnstoni*) for Senegal. *Small Carnivore Conservation* 48:89-91

2012

Pacheco, L., Fraixedas, S., **Fernández-Llamazares, Á.**, **Estela, N.**, Mominee, R., **Guallar, F.** (2012). Perspectives on Sustainable Resource Conservation in Community Nature Reserves: A Case Study from Senegal. *Sustainability* 4(11), 3158-3179. <https://doi.org/10.3390/su4113158>

Conference Abstracts

2020

Camon, L., Pacheco, L., Llana, M., Galbany, J., Gutierrez-Diez, I., & Hernandez-Aguilar, R.A. (2020). Tourist and local people use of a savanna chimpanzee (*Pan troglodytes verus*) habitat in Dindéfelo, Senegal. *Folia Primatologica* 91:531. www.karger.com/doi/10.1159/000506768

2019

Lester, J., ... Álvarez Varona, P., Pacheco, L., ... et al. (2019). Chimpanzees Biogeography Inferred from Genetic Diversity and Effective Migration. *EFP-PSGB Conference: Joint meeting of the European Federation of Primatology and the Primate Society of Great Britain*.

2018

Alejano, R., Marín, F., Domingo-Santos, J., Bermejo, A., ... Pacheco, L., Martínez, R. (2018). Inventario forestal en la Reserva Natural Comunitaria de Dindéfelo (Senegal) como herramienta de base para la conservación del hábitat del chimpancé. *Meeting: 7th Congreso Forestal Español, Plasencia*

Hamilton, J., Noguera-Julian, M., Parera, M., Pacheco, L., ... Carmena, D. (2018). Exploring interactions between *Blastocystis* sp., other intestinal protozoa and the gut microbiomes of wild chimpanzees (Senegal): Not-so-friendly old friends-hypothesis. *Meeting: 2nd International Blastocystis Conference, Bogotá (Colombia)*

Hamilton, J., Lapuente, J., Pacheco, L., Köster, P., Carmena, D. (2018). Prevalence and molecular characterization of *Blastocystis* sp. in two wild chimpanzee populations in Senegal and Ivory Coast. *Meeting: 2nd International Blastocystis Conference, Bogotá (Colombia)*.
<https://doi.org/10.13140/RG.2.2.32227.40484>

2017

Ramon, M., Llana, M., Estela, N., Pacheco, L., Hockings, K., & Hill, C. (2017). The fruit of discord? *Saba senegalensis* use by chimpanzees (*Pan troglodytes verus*) and local people in the Dindéfelo Community Nature Reserve (RNCD), southeastern Senegal. *Folia Primatologica* 88: 167-168. *Meeting: 7th European Federation for Primatology Meeting (Strasbourg, France)*.
<https://doi.org/10.1159/000479094>

Enthoven, D., Pacheco, L., Llana, M., Reitan, T., & Hernández-Aguilar, R. A. (2017). Nesting patterns of chimpanzees (*Pan troglodytes verus*) in a savanna habitat, Dindéfelo, Senegal. *Folia Primatologica* 88: 114. *Meeting: 7th European Federation for Primatology Meeting (Strasbourg, France)*. <https://doi.org/10.1159/000479094>

2015

de Donno, D., Cox, D. A., **Pacheco, L.**, Pintea, L., Sweeney, S. (2015). Overview of the Jane Goodall Institute's Scientific Research and Approach to Conservation. *Folia Primatologica* 86:268-268.

2012

Aransay, N., **Pacheco, L.**, Zabala, I. (2012). First records of Narina's Trogon (*Apaloderma narina*) for Senegal. *The Bulletin of the African Bird Club* 19:61-62