

Mimi Arandjelovic, Ph.D.

arandjel@eva.mpg.de

+49 (0)176 708 96 706

www.mimiarandjelovic.com

Citizenship: Canadian, Italian
Languages: English & French (oral & written, fluent); German (oral, basic)

EDUCATION

- 2004-2011 **Ph.D. magna cum laude**, Dept. of Primatology, Max Planck Institute for Evolutionary Anthropology (MPI-EVA), & U. Leipzig, Faculty of Biosciences, Leipzig, Germany
Thesis: Genetic estimation of population size and group dynamics in wild-living western gorillas and central chimpanzees. (Supervisors: Drs. L. Vigilant & C. Boesch)
- 2001-2004 **M.Sc.**, Dept of Zoology (Cell, Molecular and Developmental Biology Stream). U. Toronto, Canada
Thesis: A gain-of-function analysis of traffic jam, a transcription factor expressed in *Drosophila* and mouse gonads (Supervisor: Dr. D. Godt.)
- 1997-2001 **Honours B.Sc. with High Distinction**, U. Toronto, Canada
Specialist Program: Zoology; Minor Programs: Biological Anthropology & French

EXPERIENCE

- 2018-present **Co-director, Pan African Programme: The Cultured Chimpanzee (PanAf), Max Planck Institute for Evolutionary Anthropology (MPI-EVA) and German Centre for Integrative Biodiversity Research (iDiv)**. Multi-disciplinary collaboration with an international network of 100+ researchers relating to animal ecology, evolution and conservation using state of the art technology and methods. Oversee the management, sharing and analysis of the PanAf data set, the largest-ever collected data set on chimpanzee habitats from over 40 temporary chimpanzee research sites across sub Saharan Africa.
Principal Investigator (PI) PanAf genetics and on-line citizen science platform Chimp&See.
co-PI PanAf genomics project, PanAf microbiome & diet project, and machine learning/AI platform for automated species detection from camera trap videos, ZambaCloud.
- 2015-present **Independent Scientific Consultant**. Design and review of survey and monitoring plans for resource extraction/ landscape change in West, Central and East Africa. Genetic population estimation of chimpanzee population size, number of groups, home range size and connectivity in areas of resource extraction.
Advisor to market research firms in the biomedical and biotech fields.
- 2017-2020 **Board of Directors, Cytophage Technologies Inc.**, Winnipeg, Canada.
- 2012-2018 **Project Manager/Program Coordinator/Scientist, Pan African Programme: The Cultured Chimpanzee (PanAf)**, Max Planck Institute for Evolutionary Anthropology. Establish temporary research sites & collaborative agreements with existing field sites, budgeting, grant writing, training of site managers, organization of workshops, oversight of field data collection, regular communication with field staff and collaborators across sub-Saharan Africa, public outreach, media relations. **Lead researcher:** PanAf genetics project and ChimpandSee.org.
- 2011-2012 **Post-Doctoral Research Fellow**, Max Planck Institute for Evolutionary Anthropology. Extraction and microsatellite amplification of DNA from primate feces. Estimation of population size, kinship and population histories from microsatellite genotypes of savannah baboons and cross river gorillas. Supervision & training of undergraduate and graduate students in the laboratory.
- 2006 **Research Assistant**, Taï Chimpanzee Project, Taï National Park, Côte d'Ivoire.
Nest to nest daily follows of habituated chimpanzees for fecal sample collection
- 2001 **Laboratory Assistant**, Department of Zoology, University of Toronto, Canada
Designing and implementing experiments in *Drosophila* and *Mus* (breeding protocols, molecular analyses, antibody stainings, confocal microscopy)
- 1997-2004 **Veterinary Assistant**, Bayview and Wychwood Animal Hospitals, Toronto, Canada
Companion animal restraint for treatment, X-ray development, urine & fecal analyses, prepping & monitoring animals during surgery, administrative & retail. Dr. M. Heffernan.

MEMBERSHIPS & COMMITTEES

- 2021-present **Member, IUCN PSG SGA (Section on Great Apes)** [invited position]
- 2021-present **Associated member of German Centre for Integrative Biodiversity Research (iDiv)** [elected position]
- 2020-present **Genetics Working Group Co-Chair, IUCN PSG (Primate Specialist Group) SGA (Section on Great Apes) WCAP (Western Chimpanzee Action Plan)** [elected position]
- 2020-present **Member, IUCN PSG SGA WGCC (Working Group on Chimpanzee Cultures)**, advisory group to the CMS (Convention on Migratory Species) [invited position]
- 2016-present **Member, Wild Chimpanzee Foundation**, Citizen science project design and implementation. Integration of AI methodology in biomonitoring.

GRANTS, FUNDING & AWARDS

Current Research

- Dec 2021 Funder: Patrick J. McGovern Foundation Accelerator Grant \$100,000 USD
Project: “Computer vision for wildlife monitoring in a changing climate”
Awarded to: Wild Chimpanzee Foundation (**M Arandjelovic**)
- May 2021 Funder: Google AI for Social Good \$30,000 USD
Project: “Human in loop Chimpanzee Identification”
Awarded to: Wild Chimpanzee Foundation (**M Arandjelovic**) & G Demartini

Completed Research

- Dec 2020 Funder: Facebook \$ 465,500 USD
Project: “*Algorithm and platform improvements for ZambaCloud*”
Awarded to: **M Arandjelovic**, H Kuehl, C Boesch
- July 2018 Funder: Max Planck Society € 189,500 EUR
Project: “*ZambaCloud*”
Awarded to: H Kuehl, **M Arandjelovic**, C Boesch, A Kalan
- July 2018 Funder: Max Planck Society € 482,500 EUR
Project: “*Evolution and ecology of chimpanzee diet and gut microbiome diversification*”
Awarded to: H Kuehl, **M Arandjelovic**, C Boesch, G Bocksberger, J Lester
- Jan 2018 Funder: Max Planck Society Heinz L. Krekeler Foundation € 708,524 EUR
Project: “*The Pan African Programme: The Cultured Chimpanzee*”
Awarded to: H Kuehl, **M Arandjelovic**, A Kalan C Boesch
- Aug 2017 Funder: Arcus Foundation (G-PGM-1703-2149) € 100,000 EUR
Project: “*Chimpanzee and Gorilla Camera Trap Video Project*”
Awarded to: **M. Arandjelovic**, H. Kuehl & C. Boesch
- June 2014 Funders: Max Planck Society Innovation Fund & Heinz L. Krekeler Foundation € 1.2 mill EUR
Project: *The Pan African Programme: The Cultured Chimpanzee*
Awarded to: H. Kuehl, V. Oelze, **M. Arandjelovic**, C. Boesch
- Feb 2009 Gesellschaft für Primatologie student poster award € 200 EUR
- 2008-2011 Funders: US Fish and Wildlife (\$52,749), Oregon Zoo (\$3054), Columbus Zoo (\$5000), DierenPark Amersfoort Zoo (\$8800), Cleveland Metroparks Zoo (\$2000), Rufford Small Grant (£5000), Zoo am Meer Bremerhaven (€2000), Keidanren Nature Conservation Fund (\$1725), Johannes Kepler Gymnasium Leipzig (1080€), Leipzig Zoo (€6500), Minnesota Zoo's Ulysses S. Seal Grant (\$2500), Brevard Zoo (\$900) € 89,000 EUR
Project: *Club P.A.N. – Environmental Education in Cote d’Ivoire*
Awarded to: MPI-EVA Conservation Group and Wild Chimpanzee Foundation
- 2007-2008 Funders: WWF (\$6500 USD), Cleveland Zoo (\$2981 USD), Columbus Zoo (\$5000 USD), Rufford Small Grant (£4503 BPS), Brevard (\$900 USD) € 18,500 EUR
Project: *Club P.A.N. – Environmental Education in Cote d’Ivoire*
Awarded to: MPI-EVA Conservation Group and Wild Chimpanzee Foundation
- 2005-2006 Funder: Leakey Foundation Grant \$6860 USD

Mimi Arandjelovic. Ph.D. – Curriculum Vitae

Project: “Dispersal Patterns and Population Genetic Variation in Wild Western Gorillas” Awarded to: **M Arandjelovic**

2002-2003	Frederick P. Ide Graduate Award, Department of Zoology, U. Toronto	\$1500 CDN
2001/2003	University of Toronto Graduate Fellowship	\$5000 CDN
2001	University of Toronto Dean’s List	-
April 2001	Cell, Molecular & Developmental Biology Independent Project, U. Toronto	\$50 CDN

TEACHING & SUPERVISION

Dec 2021	Guest Lecturer , Conservation Genetics (undergrad), Ludwig Maximilian University Munich
June 2021	Guest Lecturer , Undergraduate Research Project , North Carolina State University
May 2021	Guest Lecturer , Nature Conservation (undergrad), Martin Luther University Halle-Wittenberg
Feb 2019	Guest Lecturer , ENVIRON 703: Conservation Biology: Theory and Practice, Duke University
Sept 2018	Lecturer , Max Planck Tag, MPI-EVA
2016-present	PhD Supervisor , Jack Lester "population and conservation genetics of wild chimpanzees"
2013-2015	Workshop Coordinator & Lecturer , Pan African great ape population surveillance workshops
May 2013	Guest Lecturer , M.Sc. - Module 11-BIO-0804 - Behavioral ecology in primates SS13, U Leipzig
Dec 2012	Guest Lecturer , Molecular Ecology, Intl Max Planck Research School (IMPRS) Human Origins
Nov 2012	Lecturer , Pan African great ape population surveillance November workshop
May 2012	Lecturer , Pan African great ape population surveillance May workshop
April 2012	Guest Lecturer , M.Sc. - Module 11-BIO-0804 - Behavioral ecology in primates SS12, U Leipzig
Sept 2010	Lecturer , Conservation Biology & Introduction to field research, IMPRS Human Origins
Sept 2009	Lecturer , Conservation Biology, IMPRS Human Origins
2006-2019	PhD Co-supervisor (with L. Vigilant) of undergraduate and graduate students
Sept 2006	Guest Lecturer , Gorilla population genetics, IMPRS Human Origins
2005, 2007	Kampus-Tag presenter , Presentations to the Leipzig public about the research
2002-2004	Teaching Assistant , Genetics, University of Toronto, Canada

AD HOC REVIEWER

Ethology, PLoS ONE, Scientific Reports, Journal of Mammalogy, Primate Conservation, Ecology and Evolution, Folia Primatologica, Molecular Ecology Resources, BMC Research Notes, Molecular Ecology, Oryx, American Journal of Primatology, African Journal of Ecology, Acta Theriologica, African Primates, Wildlife Biology, International Journal of Ecology and Ecosolutions, Association of Zoos & Aquariums Conservation Endowment Fund, Marie Skłodowska Curie Actions – H2020 (IF@ULB)

SELECTED PRESS

- **A genetic map hopes to trace rescued chimps back to their homes** (Mongabay)
- **We Are Destroying Chimpanzee Cultures** (The Atlantic)
- **Blick in den Dschungel** – (German public TV mdr)
- **Shelter dogs are helping scientists sniff out world’s rarest gorillas** (Scientific American)
- **Chimps caught on camera 'fishing' for algae** (Reuters)
- **Why do Wild Chimpanzees throw stones at trees** (NPR)
- **Wealth and knowledge drive bushmeat consumption during the West African Ebola crisis** (Eureka alert)

OTHER SKILLS

- Basic competence in R, python and bash programming languages
- Proficient with molecular & population genetic software (Structure, Cervus, GenAlex, Kingroup, Network, Capwire, ABI Genemapper)
- Competence in QGIS/ArcGIS/ArcMap
- Proficient with Microsoft Office (Word, Excel, PowerPoint), Adobe Photoshop & Illustrator
- Competence in Adobe Premier Pro

- Proficient with citizen science methods and ethics, public outreach, social media (blogger, facebook, twitter, Instagram), website design, narrator and creator of ape conservation videos/ media for Wild Chimpanzee Foundation and the Goulougo Triangle Ape Project (GTAP)

Google Scholar Profile: <http://tiny.cc/ArandjelovicGoogleScholar>

Research Gate Profile: https://www.researchgate.net/profile/Mimi_Arandjelovic

Publons Profile: <http://tiny.cc/ArandjelovicPublons>

LinkedIn Profile: <https://www.linkedin.com/in/mimi-arandjelovic-a0871197>

PEER-REVIEWED PUBLICATIONS

Fontsero C, Kuhlwil M, Morcillo-Suarez C, Alvarez-Estape M, Lester JD, Gratton P, Schmidt JM, Dieguez P, Aebischer T, Álvarez-Varona P, Agbor A, Angedakin S, Assumang AK, Ayimisin EA, Bailey E, Barubiyi D, Bessone M, Carretero-Alonso A, Chancellor R, Cohen H, Danquah E, Deschner T, Dunn A, Dupain J, Egbe VE, Felio O, Goedmakers A, Granjon A-C, Head J, Hedwig D, Hermans V, Hernandez-Aguilar RA, Imong I, Jones S, Junker J, Kadam P, Kaiser M, Kambere M, Kambale MV, Kalan AK, Kienast I, Kujirakwinja D, Langergraber K, Lapuente J, Larson B, Laudisoit A, Lee K, Llana M, Llorente M, Marrocoli S, Morgan D, Mulindahabi F, Murai M, Neil E, Nicholl S, Nixon S, Normand E, Orbell C, Ormsby LJ, Pacheco L, Piel A, Riera L, Robbins MM, Rundus A, Sanz C, Sciaky L, Sommer V, Stewart FA, Tagg N, Tédonzong LR, van Schijndel J, Vergnes V, Wessling EG, Willie J, Wittig RM, Yuh YG, Yurkiw K, Zuberbuehler K, Vigilant L, Boesch C, Andrés AM, Hughes DA, Kühl HS, Lizano E, **Arandjelovic M***, Tomas Marques-Bonet* (in press) Population dynamics and genetic connectivity in recent chimpanzee history. *Cell Genomics*. (*shared senior authorship)

Städele V, **Arandjelovic M**, Nixon S, Bergl RA, Bradley BJ, Breuer T, Cameron KN, Guschanski K, Head J, Kyungu JC, Masi S, Morgan DB, Reed P, Robbins MM, Sanz C, Smith V, Stokes EJ, Thalmann O, Todd A & Vigilant L (2022). The complex Y-chromosomal history of gorillas. *American Journal of Primatology*, e23363. doi: 10.1002/ajp.23363 (open access)

Barratt C, Lester J, Gratton P, Onstein R, Kalan A, McCarthy M, Bocksberger G, White L, Vigilant L, Dieguez P, Abdulai B, Aebischer T, Agbor A, Assumang A, Bailey E, Bessone M, Buys B, Carvalho J, Chancellor R, Cohen H, Danquah E, Deschner T, Dongmo Z, Doumbé O, Dupain J, Duvall C, Eno-Nku M, Etoga G, Galat-Luong A, Garriga R, Gatti S, Ghiurghi A, Goedmakers A, Granjon A, Hakizimana D, Head J, Hedwig D, Herbinger I, Hermans V, Jones S, Junker J, Kadam P, Kambi M, Kienast I, Kouakou C, N'Goran K, Langergraber K, Lapuente J, Laudisoit A, Lee K, Maisels F, Mirghani N, Moore D, Morgan B, Morgan D, Neil E, Nicholl S, Nkembu L, Ntongho A, Orbell C, Ormsby L, Pacheco L, Piel A, Pintea L, Plumtre A, Rundus A, Sanz C, Sommer V, Sop T, Stewart F, Sunderland-Groves J, Tagg N, Todd A, Ton E, Schijndel J, VanLeeuwe H, Vendras E, Welsh A, Wenceslau J, Wessling E, Willie J, Wittig R, Yoshihiro N, Yuh Y, Yurkiw K, Boesch C, **Arandjelovic M**, and Kühl H (2021) Quantitative estimates of glacial refugia for chimpanzees (*Pan troglodytes*) since the Last Interglacial (120000 BP). *American Journal of Primatology* 83(10) (open access)

Bueno de Mesquita CP, Nichols LM, Gebert MJ, Vanderburgh C, Bocksberger G, Lester JD, Kalan AK, Dieguez P, McCarthy MS, Agbor A, Álvarez Varona P, Ayimisin EA, Bessone M, Chancellor R, Cohen H, Coupland C, Deschner T, Egbe VE, Goedmakers A, Granjon AC, Grueter C, Head J, Hernandez-Aguilar RA, Jeffery KJ, Jones S, Kadam P, Kaiser M, Lapuente J, Larson B, Marrocoli S, Morgan D, Mugerwa B, Mulindahabi F, Neil E, Niyigaba P, Pacheco L, Piel AK, Robbins MM, Rundus A, Sanz CM, Sciaky L, Sheil D, Sommer V, Stewart FA, Ton E, van Schijndel J, Vergnes V, Wessling EG, Wittig RM, Yuh YG, Yurkiw K, Zuberbuehler K, Gogarten JF, Heintz-Buschart A, Muellner-Riehl AN, Boesch C, Kühl HS, Fierer N, , **Arandjelovic M***, Dunn RR* (2021) A Pan-African perspective on the structure of the chimpanzee gut microbiome. *mSystems* doi: 10.1128/mSystems.01269-20. (*shared senior authorship)(open access)

Lester JD, Vigilant L, Gratton P, McCarthy MS, Barratt CD, Dieguez P, Agbor A, Álvarez-Varona P, Angedakin S, Ayimisin EA, Bailey E, Bessone M, Brazzola G, Chancellor R, Cohen H, Danquah E, Deschner T, Egbe VE, Eno-Nku M, Goedmakers A, Granjon AC, Head J, Hedwig D, Hernandez-Aguilar RA, Jeffery KJ, Jones S, Junker J, Kadam P, Kaiser M, Kalan AK, Kehoe L, Kienast I, Langergraber KE, Lapuente J, Laudisoit A, Lee K, Marrocoli S, Mihindou V, Morgan D, Muhanguzi G, Neil E, Nicholl S, Orbell C, Ormsby LJ, Pacheco L, Piel A, Robbins MM, Rundus A, Sanz C, Sciaky L, Siaka AM, Städele V, Stewart F, Tagg N, Ton E, van Schijndel J, Vyalengerera MK, Wessling EG, Willie J, Wittig RM, Yuh YG, Yurkiw K, Zuberbuehler K, Boesch C, Kühl HS, **Arandjelovic M** (2021) Recent genetic connectivity and clinal variation in chimpanzees. *Communications Biology* doi: 10.1038/s42003-021-01806-x (open access)

Wertheim JO, Hostager R, Ryu D, Merkel K, Angedakin S, **Arandjelovic M**, Ayimisin EA, Babweteera F, Bessone M, Brun-Jeffery KJ, Dieguez P, Eckardt W, Fruth B, Herbinger I, Jones S, Kuehl H, Langergraber KE, Lee K, Madinda NF, Metzger S, Ormsby LJ, Robbins MM, Sommer V, Stoinski T, Wessling EG, Wittig RM, Yuh YG, Leendertz FH, Calvignac-Spencer S (2021) Discovery of novel herpes simplexviruses in wild gorillas, bonobos, and chimpanzees supports zoonotic origin of HSV-2. *Molecular Biology and Evolution* doi: 10.1093/molbev/msab072 (open access)

- Phillips S, Scheffrahn RH, Piel A, Stewart F, Agbor A, Brazzola G, Tickle A, Sommer V, Dieguez P, Wessling EG, **Arandjelovic M**, Kühl HS, Boesch C, Oelze V (2021) Limited evidence of C4 plant consumption in mound building *Macrotermes* termites from savanna woodland chimpanzee sites. *PLoS one*. 16(2):e0244685.doi: 10.1371/journal.pone.0244685 (open access)
- McCarthy MS, Stephens C, Dieguez P, Samuni L, Després-Einspenner ML, Harder B, Landsmann A, Lynn LK, Maldonado N, Ročkaiová Z, Widness J, Wittig RM, Boesch C, Kühl HS, **Arandjelovic M** (2020) Chimpanzee Identification and Social Network Construction through an Online Citizen Science Platform. *Ecology and Evolution* doi: 10.1002/ece3.7128 (open access)
- Fontserè C, Alvarez-Estape M, Lester J, **Arandjelovic M**, Dieguez P, Agbor A, Angedakin S, Ayimisin EA, Bessone M, Brazzola G, Deschner T, Eno-Nku M, Granjon AC, Head J, Kadam P, Kalan AK, Kambi M, Langergraber K, Lapuente J, Maretti G, Ormsby LJ, Piel A, Robbins M, Stewart F, Vergnes V, Wittig RM, Kühl HS, Marques-Bonet T, Hughes DA, Lizano E (2020) Maximizing the acquisition of unique reads in non-invasive capture sequencing experiments. *Molecular Ecology Resources* doi: 10.1111/1755-0998.13300 (open access)
- Mubemba B, Gogarten JF, Schuenemann VJ, Dux A, Lang A, Nowak K, Pléh K, Reiter E, Ulrich M, Agbor A, Brazzola G, Deschner T, Dieguez P, Granjon AC, Jones S, Junker J, Wessling E, **Arandjelovic M**, Kuehl H, Wittig RM, Leendertz FH, Calvignac-Spencer S (2020) Geographically structured genomic diversity of non-human primate-infecting *Treponema pallidum* subsp. *pertenue*. *Microbial genomics*, mgen000463 doi: 10.1099/mgen.0.000463 (open access)
- Kalan AK, Kulik L, **Arandjelovic M**, Boesch C, Haas F, Dieguez P, Barratt CD, Abwe EE, Agbor A, Angedakin S, Aubert F, Ayimisin EA, Bailey E, Bessone M, Brazzola G, Buh VE, Chancellor R, Cohen H, Coupland C, Curran B, Danquah E, Deschner T, Dowd D, Eno-Nku M, Fay JM, Goedmakers A, Granjon AC, Head J, Hedwig D, Hermans V, Jeffery KJ, Jones S, Junker J, Kadam P, Kambi M, Kienast I, Kujirakwinja D, Langergraber KE, Lapuente J, Larson B, Lee KC, Leinert V, Llana M, Marrocoli S, Meier AC, Morgan B, Morgan D, Neil E, Nicholl S, Normand E, Ormsby LJ, Pacheco L, Piel A, Preece J, Robbins MM, Rundus A, Sanz C, Sommer V, Stewart F, Tagg N, Tennie C, Vergnes V, Welsh A, Wessling EG, Willie J, Wittig RM, Yuh YG, Zuberbuehler K, Kühl HS (2020) Environmental variability supports chimpanzee behavioural diversity. *Nature Communications* 11 (4451) doi: 0.1038/s41467-020-18176-3 (open access)
- Lapuente J, **Arandjelovic M**, Kühl H, Dieguez P, Boesch C, Linsenmair KE (2020) Sustainable Peeling of Kapok Tree (*Ceiba pentandra*) Bark by the Chimpanzees (*Pan troglodytes verus*) of Comoé National Park, Ivory Coast. *International Journal of Primatology* doi: 10.1007/s10764-020-00152-9 (open access)
- Boesch C, Kalan AK, Mundry R, **Arandjelovic M**, Pika S, Dieguez P, Ayimisin EA, Barciela A, Coupland C, Egbe VE, Eno-Nku M, Fay JM, Fine D, Hernandez-Aguilar RA, Hermans V, Kadam P, Kambi M, Llana M, Maretti G, Morgan D, Murai M, Neil E, Nicholl S, Ormsby LJ, Orume R, Pacheco L, Piel A, Sanz C, Sciaky L, Stewart FA, Tagg N, Wessling EG, Willie J, Kühl HS (2020) Chimpanzee Ethnography Reveals Unexpected Cultural Diversity. *Nature Human Behaviour* doi: 10.1038/s41562-020-0890-1
- Dunn RR, Amato KR, Archie EA, **Arandjelovic M**, Crittenden AN, Nichols LM (2020) The Internal, External and Extended Microbiomes of Hominins. *Frontiers in Ecology and Evolution*. doi.org/10.3389/fevo.2020.00025 (open access)
- Barratt CD, Lester JD, Gratton P, Onstein RE, Kalan AK, McCarthy MS, Bocksberger G, White LC, Vigilant L, Dieguez P, Abdulai B, Aebischer T, Agbor A, Assumang AK, Bailey E, Bessone M, Buys B, Carvalho JS, Chancellor R, Cohen H, Danquah E, Deschner T, Dongmo ZN, Doumbé OA, Dupain J, Duvall CS, Eno-Nku M, Etoga G, Galat-Luong A, Garriga R, Gatti S, Ghiurghi A, Goedmakers A, Granjon AC, Hakizimana D, Haydar N, Head J, Hedwig D, Herbinger I, Hermans V, Jones S, Junker J, Kadam P, Kambi M, Kienast I, Kouakou CY, N'Goran KP, Langergraber KE, Lapuente J, Laudisoit A, Lee KC, Maisels F, Moore D, Morgan B, Morgan D, Neil E, Nicholl S, Nkembi L, Ntongho A, Orbell C, Ormsby LJ, Pacheco L, Piel AK, Pintea L, Plumtre AJ, Rundus A, Sanz C, Sommer V, Sop T, Stewart FA, Sunderland-Groves J, Tagg N, Todd A, Ton E, van Schijndel J, VanLeeuwe H, Vendras E, Welsh A, Wenceslau JFC, Wessling EG, Willie J, Wittig RM, Yoshihiro N, Yuh YG, Yurkiw K, Boesch C, **Arandjelovic M**, Hjalmar Kühl (2020) Late Quaternary habitat suitability models for chimpanzees (*Pan troglodytes*) since the Last Interglacial (120,000 BP) bioRxiv <https://www.biorxiv.org/content/10.1101/2020.05.15.066662v1.abstract>
- Gogarten JF, Hoffmann C, **Arandjelovic M**, Sachse A, Merkel K, Dieguez P, Agbor A, Angedakin S, Brazzola G, Jones S, Langergraber KE, Lee K, Marrocoli S, Murai M, Sommer V, Kühl H, Leendertz FH, Calvignac-Spencer S (2020). Fly-derived DNA and camera traps are complementary tools for assessing mammalian biodiversity. *Environmental DNA*. doi:10.1002/edn3.4 (open access)
- McCarthy M, Despres-Einspenner M.-L, Farine DR, Samuni L, Angedakin S, **Arandjelovic M**, Boesch C, Dieguez P, Havercamp K, Knight A, Langergraber KE, Wittig RM, Kühl HS (2019). Camera traps provide a robust alternative to direct observations for constructing social networks of wild chimpanzees (2020). *Animal Behaviour*. doi:10.1016/j.anbehav.2019.08.008

- Hagemann L, **Arandjelovic M**, Robbins MM, Deschner T, Lewis M, Froese G, Boesch C, Vigilant L (2019) Long-term inference of population size and habitat use in a socially dynamic population of wild western lowland gorillas. *Conservation Genetics* doi: 10.1007/s10592-019-01209-w (open access)
- Murthy S, O'Brien K, Agbor A, Angedakin S, **Arandjelovic M**, Ayimisin EA, Bailey E, Bergl RA, Brazzola G, Dieguez P, Eno-Nku M, Eshuis H, Fruth B, Gillespie TR, Ginath Y, Gray M, Herbinger I, Jones S, Kehoe L, Kühl H, Kujirakwinja D, Lee K, Madinda NF, Mitamba G, Muhindo E, Nishuli R, Ormsby LJ, Petrzalkova KJ, Plumtre AJ, Robbins MM, Sommer V, Heegde MT, Todd A, Tokunda R, Wessling E, Jarvis MA, Leendertz FH, Ehlers B, Calvignac-Spencer S (2019) Cytomegalovirus distribution and evolution in hominines. *Virus Evolution*. 5(2) doi:10.1093/ve/vez015 (open access)
- Kühl HS, Boesch C, Kulik L, Haas F, **Arandjelovic M**, Dieguez P, Bocksberger G, Agbor A, Angedakin S, Ayimisin EA, Bessone M, Brazzola G, Chancellor R, Cohen H, Coupland C, Danquah E, Deschner T, Dowd D, Goedmakers A, Granjon AC, Head J, Hedwig D, Hermans V, Jones S, Junker J, Langergraber K, Lapuente J, Lee K, Llana M, Maretti G, Marrocoli S, Martin R, McCarthy M, Meier AC, Morgan D, Murai M, Normand E, Ormsby LJ, Pacheco L, Piel A, Regnaut S, Rundus A, Sanz C, Stewart F, Tagg N, Vendras E, Vergnes V, Welsh A, Wessling EG, Willie J, Wittig RM, Yuh YG, Yurkiw K, Kalan AK (2019) Inclusive chimpanzee conservation—Response. *Science*. 364 (6445): 1040-1041. doi: 10.1126/science.aax6339
- Kalan AK, Hohmann G, **Arandjelovic M**, Boesch C, McCarthy MS, Agbor A, Angedakin S, Bailey E, Belongelwa CW, Bessone M, Bocksberger G, Coxe SJ, Deschner T, Després-Einspenner ML, Dieguez P, Fruth B, Herbinger I, Granjon AC, Head J, Kablan YA, Langergraber KE, Lokasola AL, Maretti G, Marrocoli S, Mbende M, Moustgaard J, N'Goran PK, Robbins MM, van Schijndel J, Sommer V, Surbeck M, Tagg N, Willie J, Wittig RM, Kühl HK (2019) Novelty Response of Wild African Apes to Camera-traps. *Current Biology* doi: 10.1016/j.cub.2019.02.024
- Kühl HS, Boesch C, Kulik L, Haas F, **Arandjelovic M**, Dieguez P, Bocksberger G, McElreath MB, Agbor A, Angedakin S, Ayimisin EA, Bailey E, Barubiyi D, Bessone M, Brazzola G, Chancellor R, Cohen H, Coupland C, Danquah E, Deschner T, Diotoh O, Dowd D, Dunn A, Egbe VE, Eshuis H, Fernandez Rumen, Ginath Y, Goedmakers A, Granjon AC, Head J, Hedwig D, Hermans V, Imong I, Jeffery KJ, Jones S, Junker J, Kadam P, Kambere M, Kambi M, Kienast I, Kujirakwinja D, Langergraber K, Lapuente J, Larson B, Lee K, Leinert V, Llana M, Maretti G, Marrocoli S, Mbi TJ, Meier AC, Morgan B, Morgan D, Mulindahabi F, Murai M, Neil E, Niyigaba P, Ormsby LJ, Pacheco L, Piel A, Preece J, Regnaut S, Rundus A, Sanz C, van Schijndel J, Sommer V, Stewart F, Tagg N, Vendras E, Vergnes V, Welsh A, Wessling EG, Willie J, Wittig RM, Yurkiw K, Zuberbuehler K, Kalan AK (2019) Human impact erodes chimpanzee behavioral diversity. *Science*. eaau4532.
- Bibollet-Ruche F, Russell RM, Liu W, Stewart-Jones GBE, Sherrill-Mix S, Li Y, Learn GH, Smith AG, Gondim MVP, Plenderleith LJ, Decker JM, Easlick JL, Wetzel KS, Collman RG, Ding S, Finzi A, Ayoub A, Peeters M, Leendertz FH, van Schijndel J, Goedmakers A, Ton E, Boesch C, Kuehl H, **Arandjelovic M**, Dieguez P, Murai M, Colin C, Koops K, Speede S, Gonder MK, Muller MN, Sanz CM, Morgan DB, Atencia R, Cox D, Piel AK, Stewart FA, Ndjango JBN, Mjungu D, Lonsdorf EV, Pusey AE, Kwong PD, Sharp PM, Shaw GM, Hahn BH (2019) CD4 receptor diversity in chimpanzees protects against SIV infection. *PNAS* 116(8): 3229-3238
- Hagemann L, Boesch C, Robbins MM, **Arandjelovic M**, Deschner T, Lewis M, Froese G, Vigilant L (2018) Long term group membership and dynamics in a wild western lowland gorilla population (Gorilla gorilla gorilla) inferred using non-invasive genetics. *American Journal of Primatology*. 80(8), 1-12
- Tagg, N., McCarthy, M., Dieguez, P., Bocksberger, G., Willie, J., Mundry, R., Stewart, F., **Arandjelovic, M.**, Widness, J., Landsmann, A., Agbor, A., Angedakin, S., Ayimisin, A. E., Bessone, M., Brazzola, G., Corogenes, K., Heegde, M. t., Deschner, T., Dilambaka, E., Eno-Nku, M., Eshuis, H., Goedmakers, A., Granjon, A.-C., Head, J. S., Hermans, V., Jones, S., Kadam, P., Kambi, M., Langergraber, K., Lapeyre, V., Lapuente, J., Lee, K., Leinert, V., Maretti, G., Marrocoli, S., Meier, A., Nicholl, S., Normand, E., Ormsby, L. J., Piel, A., Robinson, O., Sommer, V., Tickle, A., Ton, E., van Schijndel, J., Vanleeuwe, H., Vergnes, V., Wessling, E. G., Wittig, R. M., Zuberbuehler, K., Kühl, H. S., & Boesch, C. (2018). Nocturnal activity in wild chimpanzees (Pan troglodytes): Evidence for flexible sleeping patterns and insights into human evolution. *American Journal of Physical Anthropology*. 166(3), 510-529
- Arandjelovic M**, Vigilant L (2018) Non-invasive genetic censusing and monitoring of primate populations. *American Journal of Primatology*. e22743
- Hernandez-Rodriguez J, **Arandjelovic M**, Lester J, de Filippo C, Weihmann A, Meyer M, Angedakin S, Casals F, Navarro A., Vigilant L, Kühl HS, Langergraber K, Boesch C, Hughes D, Marques-Bonet T (2017) Evaluating the performance and replicability of fecal DNA targeted sequencing. *Molecular Ecology Resources*. 18(2), 319-333 (open access)
- Hoffmann C, Zimmermann F, Biek R, Kuehl H, Nowak K, Mundry R, Agbor A, Angedakin S, **Arandjelovic M**, Blankenburg A, Brazzola G, Corogenes K, Couacy-Hymann E, Deschner T, Dieguez P, Dierks K, Dux A, Dupke S, Eshuis H, Formenty P, Yuh YG, Goedmakers A, Gogarten JF, Granjon AC, McGraw S, Grunow R, Hart J, Jones S, Junker J, Kiang J, Langergraber K, Lapuente J, Lee K, Leendertz SA, Léguillon F, Leinert V, Löhrich T, Marrocoli S,

- Mätz-Rensing K, Meier A, Merkel K, Metzger S, Murai M, Niedorf S, De Nys H, Sachse A, van Schijndel J, Thiesen U, Ton E, Wu D, Wieler LH, Boesch C, Klee SR, Wittig RM, Calvignac-Spencer S & Leendertz FH (2017) Persistent anthrax as a major driver of wildlife mortality in a tropical rainforest. *Nature*. 548, 82–86
- Aebischer T, Siguindo G, Rochat E, **Arandjelovic M**, Heilman A, Hickisch R, Vigilant L, Joost S, Wegmann D (2017) First quantitative survey delineates the distribution of chimpanzees in the Eastern Central African Republic. *Biological Conservation*. 213, 84-94.
- Ordaz-Németh I, **Arandjelovic M**, Boesch L, Gatiso T, Grimes T, Kuehl HS, Lormie M, Stephens C, Tweh C, Junker J (2017) The socio-economic drivers of bushmeat consumption during the West African Ebola crisis. *PLoS Neglected Tropical Diseases*. 11(3), e0005450 (open access)
- Deschner T, **Arandjelovic M**, Kuehl H (2017) Collecting Biologically Relevant Information: DNA to Population Density in APA Handbook of Comparative Psychology, Volume 1: Basic Concepts, Methods, Neural Substrate, and Behavior Ed. Josep Call. American Psychological Association
- Boesch C, Kalan AK, Agbor A, **Arandjelovic M**, Dieguez P, Lapeyre V, Kühl HS (2016) Chimpanzees routinely fish for algae with tools during the dry season in Bakoun, Guinea. *American Journal of Primatology*. 79(3), e22613
- de Manuel M, Kuhlwillm M, Frandsen P, Sousa VC, Desai T, Prado-Martinez J, Hernandez-Rodriguez J, Dupanloup I, Lao O, Hallast P, Schmidt JM, Heredia-Genestar JM, Benazzo A, Barbujani G, Peter BM, Kuderna LFK, Casals F, Angedakin S, **Arandjelovic M**, Boesch C, Kühl H, Vigilant L, Langergraber K, Novembre J, Gut M, Gut I, Navarro A, Carlsen F, Andrés AM, Siegismund HR, Scally A, Excoffier L, Tyler-Smith C, Castellano S, Xue Y, Hvilsom C, Marques-Bonet T (2016) Chimpanzee genomic diversity reveals ancient admixture with bonobos. *Science* 354 (6311): 477-481
- Kühl HS, Kalan AK, **Arandjelovic M**, Aubert F, D’Auvergne L, Goedmakers A, Jones S, Kehoe L, Regnaut S, Tickle A, Ton E, van Schijndel J, Abwe EE, Angedakin S, Agbor A, Ayimisin EA, Bailey E, Bessone M, Bonnet M, Brazolla G, Buh VE, Chancellor R, Cipoletta C, Cohen H, Corogenes K, Coupland C, Curran B, Deschner T, Dierks K, Dieguez P, Dilambaka E, Diotoh O, Dowd D, Dunn A, Eshuis H, Fernandez R, Ginath Y, Hart J, Hedwig D, Ter Heegde M, Hicks TC, Imong I, Jeffery KJ, Junker J, Kadam P, Kambi M, Kienast I, Kujirakwinja D, Langergraber K, Lapeyre V, Lapuente J, Lee K, Leinert V, Meier A, Maretti G, Marrocoli S, Mbi TJ, Mihindou V, Moebius Y, Morgan D, Morgan B, Mulindahabi F, Murai M, Niyigabae P, Normand E, Ntare N, Ormsby LJ, Piel A, Pruett J, Rundus A, Sanz C, Sommer V, Stewart F, Tagg N, Vanleeuwe H, Vergnes V, Willie J, Wittig RM, Zuberbuehler K, Boesch C (2016) Chimpanzee accumulative stone throwing. *Scientific Reports* 6:22219 (open access)
- McCarthy MS, Lester JD, Howe EJ, **Arandjelovic M**, Stanford CB, Vigilant L (2015) Genetic censusing identifies an unexpectedly sizeable population of an endangered large mammal in a fragmented forest landscape. *BMC Ecology* 15:21 (open access)
- Hans JB, Haubner A, **Arandjelovic M**, Bergl RA, Fünfstück T, Gray M, Morgan DB, Robbins MM, Sanz C, Vigilant L (2015), Characterization of MHC class II B polymorphism in multiple populations of wild gorillas using non-invasive samples and next-generation sequencing. *American Journal of Primatology*. 77(11), 1193-1206
- Arandjelovic M**, Bergl RA, Ikfuingei R, Jameson C, Parker M, Vigilant L (2015) Detection dog efficacy for collecting faecal samples from the critically endangered Cross River gorilla (*Gorilla gorilla diehli*) for genetic censusing. *Royal Society Open Science*. 2, 140423 (open access)
- Arandjelovic M**, Head J, Boesch C, Robbins MM, Vigilant L (2014) Genetic inference of group dynamics and female kin structure in a western lowland gorilla population (*Gorilla gorilla gorilla*). *Primate Biology*. 1, 29-38 (open access)
- Roy J, **Arandjelovic M**, Bradley BJ, Guschanski K, Stephens CR, Bucknell D, Cirhuza H, Kusamba C, Kyungu JC, Smith V, Robbins MM, Vigilant L (2014) Recent divergences and size decreases of eastern gorilla populations. *Biology Letters*. 10(11), 20140811
- Fünfstück T, **Arandjelovic M**, Morgan DB, Sanz C, Reed P, Olson SH, Cameron K, Ondzie A, Peeters M, Vigilant L (2014) The sampling scheme matters: *Pan troglodytes troglodytes* and *P. t. schweinfurthii* are characterized by clinal genetic variation rather than a strong subspecies break. *American Journal of Physical Anthropology*. 156(2), 181-191
- Fünfstück T, **Arandjelovic M**, Morgan DB, Sanz C, Breuer T, Stokes EJ, Reed P, Olson SH, Cameron K, Ondzie A, Peeters M, Kühl HS, Cipolletta C, Todd A, Masi S, Doran-Sheehy DM, Bradley BJ, Vigilant L (2014) The Genetic Population Structure of Wild Western Lowland Gorillas (*Gorilla gorilla gorilla*) Living in Continuous Rain Forest. *American Journal of Primatology*. 76 (9): 868–878
- Gunawan F, **Arandjelovic M**, Godt D (2013) The large Maf factor Traffic Jam interacts with the Jak/Stat pathway, C/EBP, and DE-cadherin in a regulatory network to enable cell migration. *Development*. 40(13):2808-17
- Arandjelovic M** & Thalmann O (2012) Microsatellites in Historic and Ancient DNA. eLS. John Wiley & Sons, Ltd: Chichester. DOI:10.1002/9780470015902.a0023631

- Arandjelovic M**, Head J, Rabanal LI, Schubert G, Mettke E, Boesch C, Robbins MM, Vigilant L (2011) Non-invasive genetic monitoring of wild central chimpanzees. *PLoS ONE*, 6(3): e14761 (open access)
- Schubert G, Stoneking C, **Arandjelovic M**, Boesch C, Eckhardt N, Hohmann G, Langergraber K, Lukas D, Vigilant L (2011) Male-mediated gene flow in patrilocal primates. *PlosOne*, 6(7):e21514. (open access)
- Thalmann O, Wegmann D, Spitzner M, **Arandjelovic M**, Guschanski K, Leuenberger C, Bergl RA, Vigilant L (2011) Historical sampling reveals dramatic demographic changes in western gorilla populations. *BMC Evolutionary Biology*. 11(1), 85 (open access)
- Arandjelovic M**, Head J, Kuehl H, Boesch C, Robbins MM, Maisels F, Vigilant L (2010) Effective non-invasive genetic monitoring of multiple wild western gorilla groups. *Biological Conservation*. 143(7), 1780-1791
- Arandjelovic M**, Guschanski K, Schubert G, Harris TR, Thalmann O, Siedel H, Vigilant L (2009) Two-step multiplex PCR improves the speed and accuracy of genotyping using DNA from noninvasive and museum samples. *Molecular Ecology Resources*. 9(1), 28-36
- Boesch C, Head J, Tagg N, **Arandjelovic M**, Vigilant L, Robbins M (2007) Fatal Chimpanzee Attack in Loango National Park, Gabon: Behavioral and Genetic Evidences. *International Journal of Primatology*. 28,1025-1034

SELECTED TALKS & POSTERS

- Arandjelovic M** & the PanAf consortium (2022) ZambaCloud: Artificial intelligence for automated species recognition from video camera traps. International Primatological Society / Sociedad Latinoamericana de Primatología Joint Meeting (Quito, Ecuador) (invited speaker, online talk)
- Arandjelovic M** & the PanAf consortium (2022) Genetic monitoring of ape populations and wildlife trafficking. International Primatological Society / Sociedad Latinoamericana de Primatología Joint Meeting (Quito, Ecuador) (invited speaker, online talk)
- Arandjelovic M** (2021) Non-invasive methods for studying wild animal populations. IUCN Primate Specialist Group Section for Human Primate Interactions. To Habituate or not to Habituate: Ethics and Alternatives Webinar (Online)(invited speaker)
- Arandjelovic M** & Kühl HS (2020) Chimp&See: Citizen Science and Chimpanzee Research. Biologicum Almtal und Junior Biologicum 2020 (Online)(invited speakers)
- Treue S, Thöne-Reineke C, Moore R, **Arandjelovic M** (2017) Animal Research in Cognitive and Behavioural Science panel discussion, Freie Universität Berlin (invited speaker)
- Arandjelovic M**, Kuehl HS, Boesch C (2016) The Pan African Programme: The Cultured Chimpanzee - Video, Organic And Ecological Sampling At 40 Temporary Research Sites Across Africa. International Primatological Society American Society of Primatologists 2016 (Chicago, USA) (talk)
- Arandjelovic M**, Stephens CR, McCarthy MS, Dieguez P, Kalan AK, Maldonado N, Boesch C, Kuehl HS. (2016) Chimp&See: an online citizen science platform for large-scale, remote video camera trap annotation of chimpanzee behaviour, demography and individual identification. *Chimps in Context: Understanding Chimpanzees IV*, PeerJ Preprints 4:e1792v1 (Chicago, USA) (poster)
- Arandjelovic M**, Boesch C, Dieguez P, McCarthy M, Estienne V, Wessling E, Maldonado N, Kühl H (2016) The Pan African Programme: The Cultured Chimpanzee - Video, Organic And Ecological Sampling At 40 Temporary Research Sites Across Africa. 2016 GEO BON Open Science Conference & All Hands Meeting (Leipzig, Germany) (symposium talk)
- Arandjelovic M**, Kuehl H, Boesch C (2016) Chimp&See: Using citizen science to annotate camera trap videos from across Africa. Open Science Days 2016 (Berlin, Germany) (invited speaker)
- Kuehl H, **Arandjelovic M**, Boesch C (2015) The Pan African Chimpanzee Programme: Remote video, organic and ecological sampling at 40 temporary research sites across Africa. International Congress for Conservation Biology 2015 (Montpellier, France) (speaker, symposium talk)
- Arandjelovic M**, Head J, Rabanal L, Mettke E, Boesch C, Robbins MM, Vigilant L (2009) Non-invasive genetic monitoring as a tool to estimate abundance and group composition of wild central chimpanzees. **Gesellschaft für Primatologie 2009** (Hannover, Germany) (winner, poster)
- Arandjelovic M**, Head J, Boesch C, Robins MM, Vigilant L (2008) Non-invasive genetic monitoring as a tool to estimate abundance and group composition in wild western lowland gorillas. **International Congress for Conservation Biology 2008** (Chattanooga, USA) (talk)

Mimi Arandjelovic. Ph.D. – Curriculum Vitae

Arandjelovic M, Bergl RA, Bradley BJ, Breuer T, Cipolletta C, Doran-Sheehy D, Kuehl H, Masi S, Morgan D, Robbins MM, Sanz C, Todd A, Boesch C, Vigilant L (2006) Male dispersal patterns and population genetic variation in wild gorillas. **20th Congress of the IPS** (Entebbe, Uganda) (talk)

Arandjelovic M, Li M, Godt D (2003) A comparative analysis of the expression of the *D. melanogaster* and *M. musculus* large Maf transcription factors during gametogenesis. **44th Annual Drosophila Research Conference** (Chicago, USA) (poster)