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| CV Date | 30/01/2024 |
|---------|------------|

## Part A. PERSONAL INFORMATION

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|--|---|---------------|--|
| First Name                                 | Octavio   |               |  |
| Family Name                                | Jimenez Robles  |               |  |
| Sex  | Not Specified   | Date of Birth |  |
| ID number Social Security, Passport        |   |               |  |
| URL Web                                    | <a href="http://tinyurl.com/yckusvfz">http://tinyurl.com/yckusvfz</a> |               |  |
| Email Address                              |   |               |  |
| Open Researcher and Contributor ID (ORCID) | 0000-0003-2174-5880   |               |  |

### A.1. Current position

|                     |  |              |                |
|---------------------|--|--------------|----------------|
| Job Title           | Global Marie Sklodowska Curie Action Postdoctoral Fellow   |              |                |
| Starting date       | 2021   |              |                |
| Institution         | Ecole Normale Superieure   |              |                |
| Department / Centre | IBENS / Institut de Biologie   |              |                |
| Country             | France   | Phone Number | (33) 744401812 |
| Keywords            | Evolutionary biology; Biodiversity; Zoogeography; Systematics phylogeny taxonomy; Biogeography; Animal ecology; Climate change |              |                |

### A.2. Previous positions (Research Career breaks included)

| Period      | Job Title / Name of Employer / Country   |
|-------------|--|
| 2018 - 2020 | Investigador postdoctoral / The Australian National University / Australia                               |
| 2018 - 2018 | Titulado superior de Actividades Técnicas y Profesionales / Museo Nacional de Ciencias Naturales / Spain |
| 2011 - 2017 | Doctorando / Museo Nacional de Ciencias Naturales  |

### A.3. Education

| Degree/Master/PhD   | University / Country                      | Year |
|---|---|------|
| Programa Oficial de Doctorado en Biología Fundamental y de Sistemas | Universidad de Granada                    | 2017 |
| Máster en Biodiversidad en Áreas Tropicales y su Conservación       | Universidad Internacional Menéndez Pelayo | 2010 |
| Licenciado en Biología  | Universidad de Granada                    | 2008 |

## Part B. CV SUMMARY

I am an early career researcher with a doctorate from the University of Granada. In seven years out of my PhD, I have published **1 book, 2 book chapters and 14 SCI papers** – 6 as first author - plus 4 under review. During my MSc, PhD and postdocs **I managed all my projects**, which were related to **biogeography, community ecology** and how these are affected by **traits, abiotic factors and biotic interactions**. I combined both field, laboratory and computational work, dominating a set of **transferable skills** such as R coding, Geographic Information Systems, statistical modelling with GLMMs, spatial and phylogenetic data handling, and phylogenetic comparative models. I also **collaborated on multiple funded projects** and **gained my own funding** from multiple entities to carry out my thesis, international visits, postdocs and other related research projects. In particular, after enjoying two years of a **Postdoctoral Fellowship from the Fundación Ramón Areces**, I was awarded with a **Global Marie Sklodowska Curie Project (MSCA)** from the European Commission to carry out research on macroecology of biotic interchanges during **three years**. This experience leading my own research has provided me with a strong theoretical and practical background in

biogeography, ecology, evolutionary biology and conservation, as well as project management experience. During my PhD and postdocs, I established a **strong collaborative network** including researchers from the United States, Australia, Germany and France, where I am currently working as postdoctoral fellow. I have been invited to give two **invited seminars** and attended **16 conferences** (presenting a total of 13 oral communications and 3 posters, plus collaborations in other 5 conference communications). I have had **field experience in 12 countries** on five continents, **leading 7 expeditions** in Ecuador, Bolivia and Spain.

During this time, I have also been involved in **outreach activities** in internet **social media**, the **radio** and **outreach written journals**. My research has been useful for the conservation of species and biomes (Amazon, mountains, Sahara), in some case involving me directly in the **evaluation team for the conservation status of endangered species** (Bolivia), or participating in **international cooperation projects** for Biosphere Reserves (Senegal).

I have also used the opportunity to mentor students willing to research, becoming **supervisor** of **undergrad student** projects (one Tesis de Licenciatura at the Universidad Mayor de San Simón, Cochabamba, Bolivia and one Summer student project and an Undergrad project at the Australian National University, Canberra, Australia) and **examiner** of projects of other three students (one undergrad, one Honours, and one Master student projects at the Australian National University). I am recognised by the ANECA as “**Profesor Ayudante Doctor**”. I have **reviewed** 11 papers in six scientific journals. I have **organised three scientific workshops** at the Australian National University (after obtaining specific funds for them) and at the moment I am organising a **symposium** for the Evolution 2024 conference.

## Part C. RELEVANT ACCOMPLISHMENTS

### C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper**. Dubiner, Shahr; Anderson, R; Aguilar, Rocío; et al; Meiri, Shai; (28/63) Jimenez-Robles, Octavio. 2024. A global analysis of squamate body temperatures during activity and their relation to environmental temperature and behaviour. *Global Ecology and Biogeography*. Wiley Online Library. <https://doi.org/10.1111/geb.13808>
- 2 **Scientific paper**. Megía-Palma, Rodrigo; Martínez, Javier; Fitze, Patrick S; et al; Merino, Santiago; (6/9) Jiménez-Robles, Octavio. 2023. Genetic diversity, phylogenetic position, and co-phylogenetic relationships of *Karyolysus*, a common blood parasite of lizards in the western Mediterranean. *International Journal for Parasitology*. Pergamon. 53-4, pp.185-196. Google Scholar (5)
- 3 **Scientific paper**. Skeels, A; Boschman, LM; McFadden, IR; et al; Pellissier, Loïc; (6/11) Jiménez Robles, O. 2023. Paleoenvironments shaped the exchange of terrestrial vertebrates across Wallace’s Line. *Science*. American Association for the Advancement of Science. 381-6653, pp.86-92. Google Scholar (7)
- 4 **Scientific paper**. Martín, José; Ortega, Jesús; García-Roa, Roberto; (4/7) Jiménez-Robles, Octavio; Rodríguez-Ruiz, Gonzalo; Recio, Pablo; Cuervo, José Javier. 2021. Going underground: short-and long-term movements may reveal the fossorial spatial ecology of an amphisbaenian. *Movement Ecology*. BioMed Central. 9, pp.1-11. Google Scholar (17)
- 5 **Scientific paper**. (1/3) Jiménez-Robles, Octavio (AC); Miranda-Calle, A Bruno; De la Riva, Ignacio. 2021. Lizard oviparity at high elevations? The case of the Bolivian endemic *Liolaemus variegatus*. *South American Journal of Herpetology*. BioOne. 19-1, pp.76-84. Google Scholar (1)
- 6 **Scientific paper**. Horváth, Gergely; (2/6) Jiménez-Robles, Octavio; Martín, José; López, Pilar; De la Riva, Ignacio; Herczeg, Gábor. 2020. Linking behavioral thermoregulation, boldness, and individual state in male Carpetan rock lizards. *Ecology and evolution*. 10-18, pp.10230-10241. Google Scholar (9)

- 7 **Scientific paper.** Megía-Palma, Rodrigo; (2/4) Jiménez-Robles, Octavio; Hernández-Agüero, Juan Antonio; De la Riva, Ignacio. 2020. Plasticity of haemoglobin concentration and thermoregulation in a mountain lizard. *Journal of Thermal Biology.* 92, pp.102656-102656. Google Scholar (13)
- 8 **Scientific paper.** Garcia-Porta, Joan; Irisarri, Iker; Kirchner, Martin; et al; Wollenberg Valero, Katarina C.; (17/45) Jiménez-Robles, Octavio. 2019. Environmental temperatures shape thermal physiology as well as diversification and genome-wide substitution rates in lizards. *Nature communications.* Nature Publishing Group. 10-1, pp.1-12. Google Scholar (112)
- 9 **Scientific paper.** (1/2) Jiménez-Robles, Octavio (AC); De la Riva, Ignacio. 2019. Lizards in the mist: Thermal niches constrained by habitat and microclimates in the Andes of southern Bolivia. *Journal of Biogeography.* Wiley Online Library. 46-8, pp.1676-1686. Google Scholar (18)
- 10 **Scientific paper.** Megía-Palma, Rodrigo; Martínez, Javier; Cuervo, José J; et al; Merino, Santiago; (5/11) Jiménez-Robles, Octavio. 2018. Molecular evidence for host-parasite co-speciation between lizards and *Schellackia* parasites. *International journal for parasitology.* Elsevier. 48-9-10, pp.709-718. Google Scholar (28)
- 11 **Scientific paper.** (1/2) Jiménez Robles, Octavio (AC); De la Riva, Ignacio. 2017. Cannibalism in the Andean lizard *Liolaemus orientalis*. *Studies on Neotropical Fauna and Environment.* Taylor & Francis. 52-3, pp.244-247. Google Scholar (10)
- 12 **Scientific paper.** (1/5) Jiménez-Robles, Octavio (AC); León, Raúl; Soto Cárdenas, Manuel; Rebollo, Baudilio; Martínez, Gabriel. 2017. Contributions to the natural history and distribution of *Dasypeltis sahelensis* Trape & Mané, 2006, in Morocco. *Herpetozoa.* 30-1/2, pp.80-86. Google Scholar (1)
- 13 **Scientific paper.** (1/4) Jiménez-Robles, Octavio (AC); Guayasamin, Juan M; Ron, Santiago R; De la Riva, Ignacio. 2017. Reproductive traits associated with species turnover of amphibians in Amazonia and its Andean slopes. *Ecology and Evolution.* 7-8, pp.2489-2500. Google Scholar (13)
- 14 **Scientific paper.** (1/4) Jiménez-Robles, Octavio (AC); Butron-Galvez, Pablo; Carpio, René; De la Riva, Ignacio. 2016. Revised distribution, phenotypic variation, and conservation status of *Liolaemus fitzkau* (Squamata: Liolaemidae), a lizard endemic to the Andes of Central Bolivia. *Phyllomedusa: Journal of Herpetology.* 15-1, pp.7-20. Google Scholar (6)
- 15 **Book chapter.** Arguero, Alfonso; (2/6) Jiménez-Robles, Octavio; Sánchez-Karste, Francisco; Baile, Arturo; De la Cadena, Gissela; Barboza M., Kathrin. 2012. Observaciones sobre Dispersión de Semillas por Murciélagos en la Alta Amazonía del Sur de Ecuador. *Investigación y conservación sobre murciélagos en el Ecuador.* Tirira, Diego G.; Burneo, Santiago F.. pp.37-46. Google Scholar (20)
- 16 **Scientific book or monograph.** Enrique Ayllón López; Pedro Hernández Sastre; Íñigo Martínez Solano; Alberto Álvarez López; (5/6) Octavio Jiménez Robles; Carlos Caballero Díaz. 2022. *Reptiles de la Comunidad de Madrid.* Asociación Herpetológica Española. pp.1-140.

## C.2. Conferences and meetings

- 1 Jiménez Robles, Octavio; Moritz, Craig; Morlon, Hélène. Assessing temporal variations in macroevolutionary rates: the reliability of the time-bin approach with an example of intercontinental dispersal during the Cenozoic. XI Biennial Conference of the IBS. International Biogeography Society. 2024. Czech Republic. 'Participatory - poster.
- 2 Jiménez Robles, Octavio; Moritz, Craig; Morlon, Hélène. Dispersiones intercontinentales de tetrápodos terrestres durante el Cenozoico: ¿qué nos dice la biogeografía a una escala geológica sobre el Antropoceno?. XVI Congreso Nacional de la AEET. Asociación Española de Ecología Terrestre. 2023. Spain. Participatory - oral communication.
- 3 Jiménez Robles, Octavio; Doughty, Paul; Catullo, Rene; Moritz, Craig. Character displacement and community assembly at different spatial scales after the invasion of a continent. MacroFest 2022. British Ecological Society Macroecology Group. 2022. United Kingdom. Participatory - oral communication.

- 4 Jiménez Robles, Octavio; De la Riva, Ignacio. Föhn effects and habitat structure modulate assemblages of lizards in the eastern Andes. Joint Meeting of ASH and SRARNZ. Australian Society of Herpetology / Society for Research on Amphibians and Reptiles in New Zealand. 2018. Australia. Participatory - poster.
- 5 Jiménez Robles, Octavio; De la Riva, Ignacio. Límites de la distribución de la lagartija carpetana: ¿temperaturas o interacciones con otras lagartijas?. XV Portuguese-Spanish Herpetology Congress. Asociación Herpetológica Española. 2018. Spain. Participatory - oral communication.
- 6 Jiménez Robles, Octavio; De la Riva, Ignacio. Thermal ecophysiology and habitat modulate the composition of lizard communities in an Andean landscape of southern Bolivia. XI Latin American Congress of Herpetology. Pontificia Universidad Católica del Ecuador. 2017. Ecuador. Participatory - oral communication.
- 7 Jiménez Robles, Octavio. Activity and Distribution of Lizards according to Mountain Microclimates. Zoology Department Seminars. University of Melbourne. 2014. Australia. Participatory - invited/keynote talk.
- 8 Jiménez Robles, Octavio; Guayasamin, Juan; Ron, Santiago R.; De la Riva, Ignacio. Herpetofauna Assemblages of a Locality in the Slopes of the Cordillera del Cutucú, Southeast Ecuador, with Biogeographic Comparisons with other Amazonian Rainforest Localities. VII World Congress of Herpetology. University of British Columbia. 2012. Canada. Participatory - oral communication.
- 9 Jiménez Robles, O.. Estudio Preliminar sobre la herpetofauna de la Estación Biológica Wisui (Morona Santiago, Ecuador): diversidad beta a escala local y de paisaje.. I Ciclo de Seminarios “Jóvenes Investigadores”. Facultad de Ciencias, Universidad de Granada. 2010. Spain. Participatory - invited/keynote talk.

### C.3. Research projects and contracts

- 1 **Project.** MSCA-IF-2019-GF-896323, RECOMBINE: RE-assembly and COMpetition during Biotic INterchangEs: consequences of old invasions on the evolutionary and ecological history of biotas. Marie Skłodowska Curie Actions. Octavio Jiménez Robles. (École Normale Supérieure). 15/02/2021-14/04/2024. 263.827 €. Principal investigator.
- 2 **Project.** Are evolutionary refugia traps for endemic species?. Australian Research Council. Craig Moritz. (The Australian National University). 2019-2022. 334.450 €. Collaborator. as postdoc in Craig Moritz's lab
- 3 **Project.** PGC2018-097421-B-I00, PARTED: Potential amphibian responses to extinction drivers under global change: comparisons across space and time. MINISTERIO DE EDUCACION Y CIENCIA. Ignacio De la Riva. (Museo Nacional de Ciencias Naturales). 2019-2022. 187.710 €. Team member. Collaborator and technical assistant
- 4 **Project.** Inventariación y estado actual de las poblaciones de reptiles en los Espacios Naturales y Red Natura 2000 de la Comunidad de Madrid. Enrique Ayllón López. (Asociación Herpetológica Española). 2020-2021. 20.000 €. Team member.
- 5 **Project.** Efectos de la competición entre especies en la evolución de los nichos ecológicos de una radiación evolutiva. Asociación Española de Ecología Terrestre. Octavio Jiménez Robles. (The Australian National University). 01/02/2020-31/12/2020. 2.500 €. Principal investigator. Declined after obtaining MSCA project
- 6 **Project.** How do competition and dispersal interact as species shift in response to climate change?. Fundación Ramón Areces. Octavio Jiménez Robles. (The Australian National University). 01/10/2018-30/09/2020. 57.200 €. Principal investigator.
- 7 **Project.** CGL2014-56160-P, ERASE: Extinction Risk in Andean Species of Ectotherms: a multifactorial assessment focused on edemic amphibians. Plan Nacional de Investigación. Ignacio De la Riva. (Museo Nacional de Ciencias Naturales). 2015-2018. 127.050 €. Team member.
- 8 **Project.** CLG2011-30393, Diversidad, evolución y extinción en el neotrópico: una aproximación usando anfibios y reptiles. Plan Nacional de Investigación Científica. Ignacio De la Riva. (Museo Nacional de Ciencias Naturales). 2012-2014. 121.000 €. PhD student.