

CURRICULUM VITAE

José Manuel Padial-Fregenal

Personal Information:

Name: José Manuel Padial Fregenal

Birthdate: 20 February 1977

Nationality: Spanish

Physical addresses: Department of Herpetology, American Museum of Natural History,
Central Park West at 79th Street, New York, NY 10024.

Telephone: 212-769-5734.

Email addresses: jose.m.padial@gmail.com, jpadial@amnh.org

Professional History and Institutional Affiliations:

2010–present: Kalbfleisch Postdoctoral Fellow and Gerstner Scholar, Department of Herpetology, Division of Vertebrate Zoology, American Museum of Natural History, New York, USA.

2008–2010: Marie Curie Postdoctoral Fellow, Evolutionary Biology Centre, Uppsala University.

2007–2008: Research Assistant, National Museum of Natural History, Madrid, Spain.

2004–2006: PhD student, National Museum of Natural History, Madrid, Spain.

2002–2004: PhD student, Museo de Historia Natural Noel Kempff Mercado, Santa Cruz de la Sierra, Bolivia.

Education:

PhD. (Doctor Europaeus with honors). University of Granada, Spain (13 July 2007).

Dissertation: “Integrative taxonomy of species of *Eleutherodactylus* and *Oreobates* from Bolivia (Amphibia: Anura).” Advisor: I. de la Riva.

Degree in Biology (Zoology). University of Granada, Spain, (1996-2001).

Studies in Zoology. Ruprecht-Karls University, Heidelberg, Germany (October 1999-October 2000).

Invited Zoology Student (October 2000-April 2001). Institut für Zoologie of the Albert-Ludwigs-University of Freiburg, Germany.

Languages: Spanish: native; English: fluent; German: spoken and written; French: spoken.

Teaching Experience:

First Biodiversity Science Course. Sociedad Granatense de Historia Natural–Granada University. Granada, Spain 17-21 October 2005.

Introduction to Molecular Phylogenetics and Bioacoustics. Universidad Nacional de la Amazonia. Iquitos, 28-29 January 2010.

Postgraduate Committee Service:

PhD defense committee member for Raquel Vasconcelos. Dissertation title: Integrative Approaches to the Systematics and Conservation of □ the Reptiles of the Cape Verde Islands. Porto University (Portugal), 13th May 2011.

Fellowships, Grants, and Awards:

- 2010-2012. Gerstner Postdoctoral Fellowship, American Museum of Natural History (New York).
- 2010-2012. "Patterns of diversification and phenotypic divergence in Neotropical amphibians". PI is Carles Vila (EBD-CSIC); coPI is Padial. Budget: 130,000€.
- 2008-2010. Postdoctoral Fellowship, Marie Curie Mobility and Training Program (FP7) (EU).
- 2008-2010. "Diversity and conservation of lizards of the genus *Liolaemus* in Bolivia". Funded by the Ministry for Science and Innovation of Spain. PI: Ignacio de la Riva (MNCN-CSIC); CoPI is Padial. Budget: 130,000€.
2008. 9th R.J.H. Hintelmann Scientific Award for Zoological Systematics. Zoologische Staatssammlung München, Germany.
2008. Postdoctoral Fellowship of the Ministry for Science and Innovation (Spain) (declined).
2008. Postdoctoral Fellowship of the Alexandre von Humboldt Foundation (Germany) (declined).
2005. Travel grant of the European Program Synthesys (Synthesis of Systematic Resources) for visiting the collection of the Natural History Museum, London (UK).
2004. Ernst Mayr Travel Grant in Ecology and Systematics. Museum of Comparative Zoology, Harvard University.
2004. AmphibiaTree (Tree of Life) grant to attend the "Phylogenetic analysis of morphological data" workshop at the University of Texas at Austin, 3-4 December 2004.
- 2002-2004. Mutis Grant. Spanish Cooperation Agency (AECI) for conducting fieldwork in Bolivia (September 2002-September 2004) during the project "Systematics and Biogeography of *Eleutherodactylus* (Anura: Leptodactylidae) from Bolivia".
- 1999-2000. Socrates-Erasmus Fellowship for studies in Zoology. Ruprecht-Karls University, Heidelberg (Germany).

Professional Affiliations: Granatense Society of Natural History (Spain) (founding member); Spanish Society of Evolutionary Biology (SESBE) (founding member); Asociación Herpetológica Española (AHE), Society of Systematic Biologists (SSB) (member).

Professional Service:

- Associate editor for Amphibians. *Zootaxa* (January 2009–present).
- Training provider for EDIT (European Distributed Institut of Taxonomy). March 2006–present.
- Peer reviewer in the last 10 years for: Check-List, BMC Evolutionary Biology, Copeia, Ecología en Bolivia, Evolution, Herpetological Monographs, Herpetologica, Herpetology Notes, Journal of Herpetology, Molecular Phylogenetics and Evolution, Oryx, Revista Española de Herpetología, Salamandra, Zoologia Baetica, Zootaxa, Zoologica Scripta, Zoological Journal of the Linnean Society.

Current Research

- Systematics of a large Neotropical clade of frogs: *Pristimantis* (Jiménez de la Espada, 1870) (Anura: Strabomantidae).
- Diversity and conservation of iguanian lizards of the genus *Liolaemus* in Bolivia.
- Patterns of diversification and phenotypic divergence in Neotropical amphibians.

Peer-review Publications:

- González-Voyer*, A., **Padial***, J. M., Castroviejo-Fisher, S., De la Riva, I., and Vila, C. 2011. Correlates of species richness in the largest Neotropical amphibian radiation. *Journal of Evolutionary Biology*, 24: 931–942. *Equal contributors.
- Geniez, P., **Padial**, J. M. & Crochet, P. A. 2011. Systematics of north African *Agama* (Reptilia: Agamidae): a new species of *Agama* from the central Saharan mountains. *Zootaxa* (in press).
- De la Riva, I., Castroviejo-Fisher, S., Chaparro, J. C., Boistel, R. & **Padial**, J. M. 2011. A new species of *Atelopus* (Anura: Bufonidae) from the Amazonian slopes of the Andes in south-eastern Peru. *Salamandra*, 47: 161–168.
- Embert, D., Reichle, S., Larrea-Alcázar, D., Cortez, C., Muñoz, A., Gonzales, L., Montaña, R., Aguayo, R., Domic, E., **Padial**, J. M., Maldonado, M., Caballero, P. & Guerrero, M. 2011. Priority areas for amphibian conservation in a neotropical megadiverse country: the need for alternative, non place based, conservation. *Biodiversity and Conservation*, 20: 1557–1570.
- Padial**, J. M., and De la Riva, I. 2010. A response to recent proposals of Integrative taxonomy. *Biological Journal of the Linnean Society*. 101: 747–756.
- Padial**, J. M., Miralles, A., De la Riva, I. and Vences, M. 2010. The integrative future of taxonomy. *Frontiers in Zoology*, 2010, 7:16.
- Köhler, J., Koscinski, D., **Padial**, J. M., Chaparro, J. C., Handford, P., Loughheed, S. C., and de la Riva, I. 2010. Systematics of Andean gladiator frogs of the *Hypsiboas pulchellus* species group (Anura, Hylidae). *Zoologica Scripta*, 39: 572–590.
- Goicoechea, N., De la Riva, I., and **Padial**, J. M. 2010. Recovering phylogenetic signal from frog mating calls. *Zoologica Scripta*, 39: 141–154.
- Lavilla, E., Langone, J. A., **Padial**, J. M. and de Sá, R. 2010. The identity of the crackling, luminescent frog of Suriname (*Rana typhonia* Linnaeus, 1758). *Zootaxa*, 2671: 17–30.
- Padial**, J. M., Castroviejo-Fisher, S., Köhler, Jörn, Vilà, C., Chaparro, J. C. and De la Riva, I. 2009. Deciphering the products of evolution at the species level: the need for an integrative taxonomy. *Zoologica Scripta*, 38: 431–447.
- Padial**, J. M., Chaparro, J. C., Köhler, Jörn, and De la Riva, I. 2009. Rediscovery, resurrection and re-description of *Rhinella leptoscelis* (Boulenger, 1912) (Anura: Bufonidae). *Zootaxa* 2115: 56-64.
- Padial**, J. M., Castroviejo-Fisher, S. and De la Riva, I. 2009. The phylogenetic relationships of *Yunganastes* revisited (Anura: Terrarana). *Molecular Phylogenetics and Evolution*, 52: 911–915.
- Padial**, J. M. and Tellería, J. L. 2009. Observations of the Felou gundi (*Felovia vae* Lataste, 1886) in central Mauritania (Rodentia: Ctenodactylidae). *Mammalia*, 73: 153–154.
- Padial**, J. M. and De la Riva, I. 2009. Integrative taxonomy reveals cryptic Amazonian species of *Pristimantis* (Anura). *Zoological Journal of the Linnean Society*, 155: 97–122.
- Castroviejo-Fisher, S., **Padial**, J. M., Chaparro, J. C., Aguayo, R. and De la Riva, I. 2009. A new species of *Hyalinobatrachium* (Anura: Centrolenidae) from the Amazonian slopes of the central Andes with comments on the diversity of the genus in the are. *Zootaxa*, 2143: 24-44.

- Padial**, J. M., Chaparro, J. C. and De la Riva, I. 2008. Systematics of *Oreobates* and the *Eleutherodactylus discoidalis* species Group (Amphibia, Anura) based on two mtDNA genes and external morphology. *Zoological Journal of the Linnean Society*, 152: 737–773.
- Padial**, J. M., Köhler, J., Muñoz, A. and De la Riva, I. 2008. Assessing the taxonomic status of tropical frogs through bioacoustics: geographical variation in the advertisement call in the *Eleutherodactylus discoidalis* species group (Anura: Brachycephalidae). *Zoological Journal of the Linnean Society* 152, 353–365.
- De la Riva, I. and **Padial**, J. M. 2008 First record of the genus *Ptyodactylus* Goldfuss, 1820 (Sauria: Gekkonidae) for Mauritania (West Africa). *Salamandra*, 44: 51–53.
- Chaparro, J. C., **Padial**, J. M. and De la Riva, I. 2008. Two sympatric new species of *Phrynopus* (Anura: Brachycephalidae) from Yanachaga Chemillén National Park (central Peruvian Andes). *Zootaxa*, 1761: 49–58.
- De la Riva, I. Chaparro, J. C. and **Padial**, J. M. 2008. The taxonomic status of *Phyllonastes* Heyer and *Phrynopus peruvianus* (Noble) (Lissamphibia, Anura): resurrection of *Noblella* Barbour. *Zootaxa*, 1685: 67–68.
- De la Riva, I., Chaparro, J. C. and **Padial**, J. M. 2008. A new, long-standing misidentified species of *Psychrophrynella* Hedges, Duellman and Heinicke from Department Cusco, Peru (Anura: Strabomantidae) and the taxonomic status of *Phrynopus bagrecito* Lynch. *Zootaxa* 1823: 42–50.
- Padial**, J. M. and De la Riva, I. 2007. Taxonomy, the Cinderella of science, hidden by its evolutionary stepsister. *Zootaxa*, 1577: 1–2.
- Padial**, J. M. and De la Riva, I. 2007. Integrative taxonomists will use and produce DNA barcodes. *Zootaxa*, 1586: 67–68.
- Padial**, J. M. Five new *Phrynopus* species, pps 250–252, 253–259, 263–266 in De la Riva, I. 2007. Bolivian frogs of the genus *Phrynopus*, with the description of twelve new species (Anura: Brachycephalidae). *Herpetological Monographs* 21: 241–277.
- Padial**, J. M., Castroviejo-Fischer, S., Köhler, J., Domec, E. and De la Riva, I. 2007. Systematics of the *Eleutherodactylus fraudator* species group (Anura: Brachycephalidae). *Herpetological Monographs* 21: 214–241.
- Padial**, J. M., Barea-Azcón, J. M., García-Cardenete, L., and De la Riva, I. 2007. The complex distress call of *Ptychadena pumilio* (Boulenger 1920) (Anura: Ptychadenidae). *Salamandra* 44(3): 187–191.
- Padial**, J. M., Chaparro, J. C. and De la Riva, I. 2007. A new species of the *Eleutherodactylus discoidalis* group (Anura: Brachycephalidae) from cloud forests of Peru. *Herpetologica*, 63: 114–122.
- Chaparro, J. C., De la Riva, I., **Padial**, J. M., Ochoa, J. and Lehr, E. 2007. A new species of *Phrynopus* from Departamento Cusco, southern Peru (Anura: Brachycephalidae). *Zootaxa*, 1618: 61–68.
- Funk, C. W., Caldwell, J. P., Peden, C. E., **Padial**, J. M., De la Riva, I., and Cannatella, D. C. 2007. Tests of biogeographic hypotheses for diversification in the Amazonian forest frog, *Physalaemus petersi*. *Molecular Phylogenetics and Evolution*, 44: 825–837.
- Padial**, J. M. and De la Riva, I. 2006. Taxonomic inflation and the stability of species lists: the perils of ostrich's behavior. *Systematic Biology*, 55(5): 859–867.
- Padial**, J. M., Köhler, J. and De la Riva, I. 2006. The taxonomic status of *Hyla roeschmanni* De Grys, 1938 (Anura: Hylidae). *Zootaxa*, 1230: 63–68.

- Padial**, J. M., McDiarmid, R. and De la Riva, I. 2006. Distribution and morphological variation of *Eleutherodactylus mercedesae* Lynch and McDiarmid, 1987 (Amphibia, Anura, Leptodactylidae) with first record for Peru. *Zootaxa*, 1278: 49–56.
- Padial**, J. M., Reichle, S., McDiarmid, R. and De la Riva, I. 2006. A new species of arboreal *Chaunus* (Anura: Bufonidae) from Madidi National Park, Bolivia. *Zootaxa*, 1278: 57–68.
- Padial**, J. M. 2005. A new species of *Agama* (Sauria: Agamidae) from Mauritania. *Herpetological Journal*, 15: 27–35.
- Padial**, J. M. 2006. Distributional and commented list of the reptiles of Mauritania (West Africa). *Graellsia*, 62 (2): 159–178.
- Padial**, J. M., De Sa, R. and De la Riva, I. 2006. The distress calls of *Leptodactylus chaquensis* Ceí, 1950 and *Leptodactylus elenae* Heyer, 1978 (Anura: Leptodactylidae). *Salamandra*, 42 (1): 57–60.
- Padial**, J. M. and Ibáñez, C. 2005. New records and comments for the Mauritanian mammal fauna. *Mammalia*, 69 (2): 239–244.
- Padial**, J. M. and De la Riva, I. 2005. The taxonomic status of *Eleutherodactylus skydmainos* Flores and Rodríguez, 1997 and *E. karcharias* Flores and Rodríguez, 1997 (Anura: Leptodactylidae). *Amphibia-Reptilia*, 26: 515–521.
- Padial**, J. M. and De la Riva, I. 2005. Rediscovery redescription and advertisement call of *Eleutherodactylus heterodactylus* (Miranda Ribeiro, 1937) (Anura: Leptodactylidae), and notes on other *Eleutherodactylus*. *Journal of Herpetology*, 39 (3): 372–379.
- Padial**, J. M., González, L. and De la Riva, I. 2005. A new species of the *Eleutherodactylus discoidalis* Group (Anura: Leptodactylidae) from Andean Humid Montane Forest of Bolivia. *Herpetologica*, 61 (3): 318–325.
- Padial**, J. M. and De la Riva, I. 2005. First record of *Hydrolaetare schmidti* (Cochran and Goin, 1959) for Bolivia (Anura: Leptodactylidae) and new distributional data of Bolivian Anurans. *Herpetozoa*, 18 (1/2): 65–67.
- Padial**, J. M., Reichle, S. and De la Riva, I. 2005. *Ichnocnema sanderi* Padial, Reichle and De la Riva (Amphibia, Anura, Leptodactylidae): a nomenclatural note. *Graellsia*, 61 (1): 143.
- Padial**, J. M., Reichle, S. and De la Riva, I. 2005. A New Species of *Ischnocnema* (Anura: Leptodactylidae) from the Andes of Bolivia. *Journal of Herpetology*, 39 (2): 186–191.
- Tierno De Figueroa, J. M. and **Padial**, J. M. 2005. Avifauna invernal de Chaco y Pantanal en el norte de Paraguay. *El Hornero*, 20 (2): 153–162.
- Padial**, J. M. 2003. On the presence of *Python sebae* Gmelin, 1788 (Ophidia: Pythonidae) in Mauritania. *Herpetological Bulletin*, 84: 30–31.
- Padial**, J. M. 2003. Geographical distribution: *Ptychadena trinodis*. Mauritania. *Herpetological Review*, 34 (3): 260.
- Padial**, J. M. and De Sá, R. O. 2003. Geographical distribution: *Phyllomedusa palliata*. Bolivia. *Herpetological Review*, 34 (4): 381.
- Padial**, J. M., Tierno de Figueroa, J. M. and Castroviejo, J. 2003. Notas sobre la herpetofauna de Bahía Negra (Alto Paraguay, Paraguay). *Boletín de la Asociación Herpetológica Española*, 14 (1/2): 12–14.
- Padial**, J. M., S. Castroviejo-Fisher, M. Merchan, J. Cabot and J. Castroviejo. 2003. Catalogue of the herpetological collections from Bolivia in the "Estación Biológica de Doñana" (Spain). *Graellsia*, 59 (1): 5–13.

- Quintana, A. Z. and **Padial**, J. M. 2003. Herpetofauna de la Reserva de Iténez. *Revista Boliviana de Ecología y Conservación Ambiental*, 14: 97-103.
- Padial**, J. M., Gil-Sánchez, J. M. and Ávila, E. 2002. Feeding habits and overlap among red fox (*Vulpes vulpes*) and stone marten (*Martes foina*) in two Mediterranean mountain habitats. *Mammalian Biology (Zeitschrift für Säugetierkunde)*, 67: 1–10.
- Padial**, J. M., Castroviejo-Fisher, S., Quintana, A. Z., Ávila, E., Pérez, J. and Castroviejo, J. 2002. Notas de distribución de reptiles para el noroeste de África. *Boletín de la Asociación Herpetológica Española*, 13 (1–2): 2–5.
- Padial**, J. M. and Köhler, J. 2001. First record of *Physalaemus centralis* (Anura: Leptodactylidae) for Bolivia, with description of its advertisement call. *Boletín de la Asociación Herpetológica Española*, 12 (1): 6–8.
- Ten, S., Liceaga, I., M. González, J. Jiménez, L. Torres, R. Vázquez, J. Heredia and **Padial**, J. M. 2001. Reserva Inmovilizada de Iténez: primer listado de vertebrados. *Revista Boliviana de Ecología y Conservación Ambiental*, 10: 81–110.
- Padial**, J. M., Contreras, J. F., Pérez, J., Ávila, E. and Barea, J. M. 2000. Análisis de la situación y problemática del lobo (*Canis lupus signatus*) en Sierra Morena Oriental (Sur de España). *Galemys* 12 (Número especial): 37–44.
- Padial**, J. M., Bielskis, S. and Castroviejo, J. 2000. Sobre la fauna de anfibios del pie de monte del Departamento de La Paz (Bolivia). *Boletín de la Asociación Herpetológica Española* 11 (2): 59–62.
- Padial**, J. M. and Castroviejo, J. 2000. Nuevas citas de anuros para el Departamento Beni (Bolivia). *Boletín de la Asociación Herpetológica Española*, 11 (2): 63–64.
- Padial**, J. M. and Ávila, E. 2000. Tritón ibérico (*Triturus boscai*) en la Sierra de Cazorla (Provincia de Jaén). 2000. *Boletín de la Asociación Herpetológica Española*, 11 (2): 65.
- Tierno de Figueroa, J. M., **Padial**, J. M. and Castroviejo, J. 1999. First record of Pinnated Bittern *Botaurus pinnatus* in the Matogrosense region of Paraguay. *Cotinga*, 11: 96.
- Padial**, J. M., Barea, J. M., Contreras, J. F., Ávila, E. and Pérez, J. 1998. Dieta del Azor Común (*Accipiter gentilis*) en las Sierras Béticas de Granada durante el período de reproducción. *Ardeola* 45 (1): 55–62.
- Contreras, F. J. and **Padial**, J. M. 1994. Vencejo Cafre (*Apus caffer*), Noticiario Ornitológico. *Ardeola*, 41 (2): 200.

Web Contributions:

- Padial**, J. M. and de la Riva, I. 2007. Where should the burden of proof lie when naming new species? Response to Meiri S, Mace GM. *PLoS Biology* 5 (7), e194
doi:10.1371/journal.pbio.0050194.
- De la Riva, J. & **Padial**, J. M. 2006. Oreobates madidi. In: IUCN 2011. IUCN Red List of Threatened Species. Version 2011.1. <www.iucnredlist.org>.
- Reichle, S., De la Riva, J. & **Padial**, J. M. 2006. Oreobates sanderi. In: IUCN 2011. IUCN Red List of Threatened Species. Version 2011.1. <www.iucnredlist.org>. Downloaded on 07 September 2011.

Book Chapters:

- Padial**, J. M., Crochet, P. A., Geniez, P., Brito, J. C. Amphibian Conservation in Mauritania. A Chapter in “Amphibian Conservation: Africa”, edited by H. Heatwole and S. D. Busack. Surrey Beatty, Pty. Ltd., Sydney. In press.

Padial, J. M., Romero-Pujante, M., Hernández, F. J., Donazar, J. A., Godino, A., Carrasco, A., Couto, S., Gutiérrez, J. E., Ruiz, A., García-Baquero, M. J. and Simón, M. A. 2006. Habitat Assessment for the reintroduction of the Bearded Vulture *Gypaetus barbatus* in Andalusia (South Spain). In: Houston, D. C. and S. E. Piper (eds). 2006. *Proceedings of the International Conference on Conservation and Management of Vulture Populations*. Pp 63-74. 14-16 November 2005, Thessaloniki, Greece. Natural History Museum of Crete and WWF Greece. 176 pages.

Barea, J. M., **Padial**, J. M. and Ballesteros, E. (2002). Conservación de mamíferos carnívoros. En: *Biodiversidad y Conservación de Fauna y Flora en Ambientes Mediterráneos*. Barea, J. M., Ballesteros, E., Luzón, J., Moleón, M., Tierno de Figueroa, J. M. y Travesí, R. (Eds). p: 173-195. Sociedad Granatense de Historia Natural. Granada. 359 pp. (Spanish).

Semipopular and Popular Articles:

Simón, M. A., Couto, S., Carrasco, A. L., García-Baquero, M. J., Godino, A., Gutiérrez, J. E., Hernández, Jiménez, E., Liñán, M., López, M., **Padial**, J. M., Salamanca, J. C., Bautista, F., Del Barco, M., Cabrera, L. and Macías, E. 2007. The reintroduction of the Bearded Vulture *Gypaetus barbatus* in Andalusia, southern Spain. *Vulture News* 56: 29–40.

Padial, J. M. 2006. Amphibians and reptiles of Mauritania. *Quercus* (february). In Spanish.

Padial, J. M. 2004. Why are Sierra Nevada's Stone marten (*Martes foina*) the biggest in Europe? *Acta Granatense* (in press). In Spanish.

De la Riva, I., Reichle, S., Köhler, J., Lötters, S., Bosch, J., Mayer, S., Hennessey, A. B. y **Padial**, J. M. (2002). Guía sonora de las ranas y sapos de Bolivia. *Sounds of the Frogs and Toads of Bolivia*. (Eds: Marquez, R., De la Riva, I., Bosch, J. and Matheu, E.). ALOSA, AHE, MNCN.

Padial, J. M., Ten, S., González, M., Heredia, J., Liceaga, I., Jiménez, J., Torres, L., Vázquez, R. and Tierno de Figueroa, J. M. (2001). Diversity and conservation in Bolivian Amazon: the Reserve Iténez. *Aqua-Geographia*. 23: 108-112. (English, German and Italian translations).

Romero, M. T. and **Padial**, J. M. (1998). Started the construction of the Hidrovia that will alter the ecology of the Pantanal. *Quercus*, 149: 42. (Spanish).

Technical Reports:

Hernández, F. J. **Padial**, J. M. 2005. Habitat assessment for the reintroduction of the Bearded vulture (*Gypaetus barbatus*) in Andalusia, Spain. Gypaetus Foundation., Jaén, Spain.

Padial, J. M. 2002. Basis for the establishment of Biosphere Reserves in The Islamic Republic of Mauritania. Spanish Cooperation Agency (AECI)-Homme et Nature: Mauritanie. 455 pp. (Spanish).

Invited talks

2005. Taxonomy: describing species in the XXI Century. Presented at the I Biodiversity Course of the Faculty of Sciences of Granada University (Spain) on the 21st October 2005.

2006. Describing species in the XXI Century: the amphibian example, a run against extinction. Museo Nacional de Ciencias Naturales, Madrid, Spain, 25 April 2006.

2007. Diversity and Biology of Tropical Amphibians. Tropical Herpetology Course. Faunia, Madrid, 24 March 2007.
2008. Taxonomie: arten entdecken im XXI Jahrhundert. Zoologische Staatssammlung Munich, 18th January 2008.

Presentations and Posters at Professional Meetings:

- Goicoechea, N., De la Riva, I. and **Padial**, J. M. Testing methods for recovering phylogenetic signal from acoustic characters. Poster. 8th *Latin American Congress of Herpetology*. Varadero, Cuba 24–29 November 2008. Poster.
- Padial**, J. M., Castroviejo-Fisher, S., Chaparro, J. C., Vilá, C., De la Riva, I. and González-Voyer, A. Why so many *Pristimantis* out there? 8th *Latin American Congress of Herpetology*. Varadero, Cuba 24–29 November 2008. Oral communication.
- Padial**, J. M., Romero-Pujante, M., Hernández, F. J., Donazar, J. A., Godino, A., Carrasco, A., Couto, S., Gutiérrez, J. E., Ruiz, A., García-Baquero, M. J. and Simón, M. A. 2006. Habitat Assessment for the reintroduction of the Bearded Vulture *Gypaetus barbatus* in Andalusia (South Spain). *Proceedings of the International Conference on Conservation and Management of Vulture Populations*. Pp 63-74. 14-16 November 2005, Thessaloniki, Greece. Natural History Museum of Crete and WWF Greece. Oral communication.
- De la Riva, I and **Padial**, J. M. (2003). Amphibians of Madidi National Park. Bolivian Amazon: a preliminary survey. 2003 Joint Meeting of Ichthyologist and Herpetologist, Manaus, Brazil. 26 June - 1 July 2003. Oral communication by De la Riva.
- Barea, J. M., Abad, A., **Padial**, J. M., Contreras, F. J., Pérez, J., Blas, M., Toledano, A. and Palacios, F. (1999). The discovery of the extinction of the Wolf in Sierra Morena during 1995-1999. *Congreso sobre Recuperación del Lobo en Sierra Morena*. Sevilla (España) 10-12 diciembre 1999. (Spanish). Poster.
- Palacios, F., Abad, A., Hurtado, F., Barea, J. M. and **Padial**, J. M. (1999). Conservation program for the Wolf in Spain. *International Symposium on Canids: Behavior and Conservation*. October 28-31 1999. Bergisch Gladbach (Cologne), Germany. Oral communication by Palacios.
- Padial**, J. M., Ávila, E. and Gil, J. M. (1999). Feeding habits of Stone Marten (*Martes foina*) and Red Fox (*Vulpes vulpes*) in two habitats of Sierra Nevada National Park, Spain. *Resúmenes IV Jornadas SECEM*, Segovia. (Spanish). Poster.
- Padial**, J. M., Tierno, J. M. and Castroviejo, J. (1999). Density and diversity of raptors and preliminary amphibians and reptile list of Bahía Negra (Alto Paraguay, Paraguay). *I Reunión Internacional sobre Biodiversidad Iberoamericana*. Pamplona 18-22 de enero de 1999. Universidad de Navarra-MAB. (Spanish). Oral communication.
- Palacios, F., Abad, A., Hurtado, F. and **Padial**, J. M. (1998). On the conservation of the Iberian wolf in Spain. In Reig, S. (ed), Abstracts. *Euro-American Mammals Congress*. Santiago de Compostela, Spain, July 19-24 1998. Universidad de Santiago de Compostela. Poster.
- Abad, A., Contreras, F. J., Pérez, J., Barea, J. M., **Padial**, J. M., Hurtado, F. and Palacios, F. (1998). Factors implicated in the extinction of the wolf in Sierra Morena (S. Spain). In Reig, S. (ed), Abstracts. *Euro-American Mammals Congress*. Santiago de Compostela, Spain, July 19-24 1998. Universidad de Santiago de Compostela. Poster.
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Mammals Congress. Santiago de Compostela, Spain, July 19-24 1998. Universidad de Santiago de Compostela. Poster.

Padial, J. M., Contreras, J. M., Pérez, J., Ávila, E. and Barea, J. M. (1997). Analysis of the population status and problematic of the Iberian Wolf (*Canis lupus signatus* Cabrera, 1907), in Sierra Morena. *I Congreso Hispano-Luso sobre Situación y Conservación de las Poblaciones de Lobo en la Península Ibérica*. Soria 12-15 de noviembre de 1997. SECEM/Grupo Lobo. (Spanish). Oral communication.

Contreras, F. J., **Padial**, J. M., Pérez, J., Ávila, E. and Barea, J. M. (1997). Four years working with the Iberian Wolf in Sierra Morena. *II Jornadas sobre el Lobo Mediterráneo*. Sevilla, 1997. Asociación Conservacionista Rómulo y Remo. (Spanish). Poster.

Padial, J. M., Ávila, E., Contreras, F. J. and Pérez, J. (1995). The Iberian Wolf (*Canis lupus signatus*) in Eastern Sierra Morena. *II Jornadas Españolas de Conservación y Estudio de Mamíferos*. Soria, 7-9 de diciembre de 1995. SECEM. (Spanish). Poster

Relevant Participations:

Molecular mechanism involved in the regulation of gene expression in eucaryota. October 1999-May 2000. Director: Dr. Frank Sauer (ZMBH, Zentrum für Molekular Biologie der Universität Heidelberg, Germany). Research Assistant.

Developmental genetic of beta-cell in the zebra fish pancreas. November 2000-February 2001. Director Dr. Wolfgang Driever (Institut für Biologie I (Zoologie) der Albert-Ludwig-Universität Freiburg, Germany). Research Assistant.

REN/GLO 2001-1046. A morphological, bioacustical and molecular approximation to the diversity of four Andean Anuran groups. MCYT. October 2002-September 2004. Director: Ignacio de la Riva (CSIC).

Diversity of Amphibian and Reptiles in the integrated Management Area Apolobamba and Madidi National Park (Department La Paz, Bolivia). AECI. October 2002-December 2003. Director: Ignacio de la Riva (CSIC).

Diversity and Conservation status of Andalusian Bats. CSIC-Junta de Andalucía. June-July 2004.

Life Project 04NAT/ES000056. Actions for the Reintroduction of the Bearded Vulture in Andalusia. (In course).

2006–2007. Research Assitant.-CGL2005-03156. “Genetic and bioacoustical characterization of endemic and endangered species in an amphibians diversity hotspot in the tropical Andes” Director: Ignacio de la Riva (MNCN-CSIC).

2008-2010. CO-PI. Diversity and conservation of lizards of the genus *Liolaemus* in Bolivia. Founded by the Ministry for Science and Innovation of Spain. Director: Ignacio de la Riva (MNCN-CSIC).

2010-2012. CO-PI. Patterns of diversification and phenotypic divergence in Neotropical amphibians. PI: Carles Vila (EBD-CSIC).

Research Collections Visited for Purpose of Specimen Examination and Identification:

2001. Museum Senckenberg, Frankfurt, Germany.

2002–2004. Museo de Historia Natural Noel Kempff Mercado, Santa Cruz de la Sierra, Bolivia.

2003. Museo de Historia Natural de La Universidad de San Simón, Lima, Peru.

2003. Colección Boliviana de Fauna, La Paz, Bolivia.

2003. Museo de Zoología de la Universidad de San Pablo, Brazil.
2004. Centro de Biodiversidad y Genética de la Universidad Mayor de San Simón, Cochabamba, Bolivia.
2004. Museum of Comparative Zoology, Harvard University, Cambridge, USA.
2004. National Museum of Natural History, Smithsonian Institution, Washington DC, USA.
2005. Zoologisches Museum und Forschungsinstitut Könning, Bonn, Germany.
2005. Museum of Natural History of the University of Texas at Austin, Austin, USA.
2005. British Museum of Natural History, London, UK.
2006. National Museum of Natural History, Madrid.
2006. Evolutionary Biology Center, Uppsala University, Uppsala, Sweden.
2006. American Museum of Natural History, New York, USA.
2006. Natural History Museum and Biodiversity Research Centre, Lawrence, USA.
2007. Naturhistorisches Museum Wien, Vienna, Austria.
2010. Naturhistoriska Riksmuseet, Stockholm, Sweden.
2010. Naturhistoriska Museet, Goeteborg, Sweden.
2010. Museo de Zoología, Pontificia Universidad Católica del Ecuador, Quito, Ecuador.
2010. Universidad Nacional de Colombia, Instituto de Ciencias Naturales, Bogotá, Colombia.
2010. Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima, Peru.
2010. Departamento de Herpetología del Museo de Historia Natural del Cusco, Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru

Research Fieldwork:

- Bolivia: August–September 1999, March–April 2000, November–December 2002, continuously during 2003, January–March 2004, February 2006, January 2009.
Colombia: January 2010.
Mauritania: July 2001, March–August 2002.
Paraguay: July–August 1997.
Peru: February 2006, February 2007, February 2008, November–December 2009, February 2010.
Senegal: April 2007, April 2008
Western Sahara: July 2001.