

Curriculum vitae

Name: SALVADOR CARRANZA

Date: 12-09-2008

Personal data

Surname: **Carranza**
Name: **Salvador**
Sex: **Male**
DNI: **38510283A** Passport number: **AD955041**
Date of Birth: **20th of April 1968**
Personal address: **Aragón 458-464, 3º 1ª**
City: **Barcelona**
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Professional situation

Professional category: **Researcher (Científico Titular)**
Type of contract: **Permanent**
Organism: **Consejo Superior de Investigaciones Científicas (CSIC)**
Faculty/School or Institute: **Institute of Evolutionary Biology (CSIC-UPF)**
Department/Section: **Animal Phylogeny and Systematics**
Address: **Passeig Marítim de la Barceloneta, 37-49**
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Research interests

Phylogeny, biogeography, taxonomy, evolution and conservation.

Academic degrees

Graduate	Centre	Date
Degree in Biology	Faculty of Biology, University of Barcelona	June 1992

PhD	Centre	Date
PhD in Biology	Dept. of Genetics, Faculty of Biology, University of Barcelona	December 1997

Activities of scientific relevance previous to the present position

Position			Institution	Dates
Postdoctoral funded)	Researcher (NERC		Dept. Zoology, The Natural History Museum, London, UK	1/4/02 – 31/1/04
	Marie Curie Research Fellow, EU		Dept. Zoology, The Natural History Museum, London, UK	1/4/00 – 31/3/02
Postdoctoral postdoctoral grant)	Researcher (Spanish		Dept. Zoology, The Natural History Museum, London, UK	1/1/99 – 31/3/00
Postdoctoral funded)	Researcher (NERC		Dept. Zoology, The Natural History Museum, London, UK	2/3/98 – 1/12/98
	Visiting professor		Max-Planck-Institut für verhaltensphysiologie, Seewiesen, Germany	10/10/97 – 2/12/97
	Assistant Professor		Dept of Genetics, Fac. of Biology, University of Barcelona	30/9/93– 30/9/97

Publications

Total number of publications: 56 (43 in SCI journals of which 30 are of first author or corresponding author)
Number of citations: +800

Publications in SCI journals

- Carranza, S.**, and Arribas, O. Genetic uniformity of *Rana pyrenaica* Serra-Cobo, 1993 across its distribution range: a preliminary study with mtDNA sequences. *Amphibia-Reptilia*. (In press).
- Arnold, E.N., Vasconcelos, R., Harris, D.J., Mateo, J. and **Carranza, S.** Systematics, biogeography and evolution of the endemic Hemidactylus geckos (Reptilia, Squamata, Gekkonidae) of the Cape Verde Islands: based on morphology and mitochondrial and nuclear DNA sequences. *Zoologica Scripta*. (In press).
- Carranza, S.**, Arnold, E.N., Geniez, Ph., Roca, J.L. and Mateo, J.A. (2008). Radiation, multiple dispersal and parallelism in Moroccan skinks, *Chalcides* and *Sphenops* (Squamata: Scincidae), with comments on *Scincus* and *Scincopus* and the age of the Sahara Desert. *Molecular Phylogenetics and Evolution* 46: 1071-1094.
- Carranza, S.**, Romano, A., Arnold, E.N. and Sotigu, G. (2008). Biogeography and evolution of European cave salamanders, *Hydromantes* (Urodela: Plethodontidae), inferred from mtDNA sequences. *Journal of Biogeography* 35: 724-738.
- Santos, X., Roca, J.L., Pleguezuelos, J.M., Donaire, D. and **Carranza, S.** (2007). Biogeography and evolution of the smooth snake *Coronella austriaca* (Serpentes: Colubridae) in the Iberian Peninsula: evidence for Messinian refuges and Pleistocene range expansions. *Amphibia-Reptilia* 29: 35-47.
- Ljubisavljevic, K., Arribas, O., Dzukic, G. and **Carranza, S.** (2007). Genetic and morphological differentiation of Mosor rock lizards, *Dinarolacerta mosorensis* (Kolombatovic, 1886), with the description of a new species from the Prokletije mountain massif (Montenegro) (Squamata: Lacertidae). *Zootaxa* 1613: 1-22.
- Arnold, E.N., Arribas, O. and **Carranza, S.** (2007). Systematics of the Palaearctic and Oriental lizard tribe Lacertini (Squamata: Lacertidae: Lacertinae) with descriptions of eight new genera. *Zootaxa* 1430: 1-86
- Attum, O., Baha el Din, S., **Carranza, S.**, Earley, R., Arnold, E.N. and Kingsbury, B. (2007). An evaluation of the taxonomic validity of *Testudo wernerii*. *Amphibia-Reptilia* 27: 393-401.
- Carranza, S.** and Arnold E.N. (2006). Systematics, biogeography and evolution of *Hemidactylus* geckos (Reptilia: Gekkonidae) elucidated using mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 38: 531-545.
- Carranza, S.**, Arnold, E.N. and Pleguezuelos, J.M. (2006). Phylogeny, biogeography and evolution of two Mediterranean snakes, *Malpolon monspessulanus* and *Hemorrhhois hippocrepis* (Squamata, Colubridae), using mtDNA sequences. *Molecular Phylogenetics and Evolution* 40: 532-546.
- Carranza, S.**, Harris, D.J., Arnold, E.N., Batista, V. and Gonzalez, J.P. (2006). Phylogeography of the lacertid lizard, *Psammotromus algirus*, in Iberia and across the Strait of Gibraltar. *Journal of Biogeography* 33: 1279-1288.
- Arribas, O. **Carranza, S.** and Odierna, G. (2006). Description of a new endemic species of mountain lizard from Northwestern Spain: *Iberolacerta galani* sp. nov. (Squamata: Lacertidae). *Zootaxa* 1240: 1-55.
- Escoriza, D., Comas, M.M., Donarie, D. and **Carranza, S.** (2006). Rediscovery of *Salamandra algira* Bedriaga, 1883 from the Beni Snassen massif (Morocco) and phylogenetic relationships of North African *Salamandra*. *Amphibia-Reptilia* 27: 448-455.
- Pasmans, F., Bogaerts, S., Woeltjes, T. and **Carranza, S.** (2006). Taxonomic status and biogeography of *Neurergus strauchii barani* Öz, 1994 and *N. s. strauchii* (Steidachner, 1887) (Amphibia: Salamandridae) assessed using morphological and molecular data. *Amphibia-Reptilia* 27: 281-288.
- Carranza, S.** and Amat, F. (2005). Taxonomy, biogeography and evolution of *Euproctus* (Amphibia: Salamandridae), with the resurrection of the genus *Calotriton* and the description of a new endemic species from the Iberian Peninsula. *Zoological Journal of the Linnean Society* 145: 555-582.
- Carranza, S.**, Arnold, E.N., Wade, E. and Fahd, S. (2004). Phylogeography of the false smooth snakes, *Macroprotodon* (Serpentes, Colubridae): mitochondrial DNA sequences show European populations arrived recently from Northwest Africa. *Molecular Phylogenetics and Evolution* 33: 523-532.
- Arribas, O. and **Carranza, S.** (2004). Morphological and genetic evidence of the full species status of *Iberolacerta martinezricai* (Arribas, 1996). *Zootaxa* 634: 1-24.
- Carranza, S.** and Wade, E. (2004). Taxonomic revision of Algero-Tunisian *Pleurodeles* (Caudata: Salamandridae) using molecular and morphological data. Revalidation of the taxon *Pleurodeles nebulosus* (Guichenot, 1850). *Zootaxa* 488: 1-24.
- Carranza, S.**, Arnold, E.N. and Amat, F. (2004). DNA phylogeny of *Lacerta* (*Iberolacerta*) and other lacertine lizards (Reptilia: Lacertidae): did competition cause long-term mountain restriction? *Systematics and Biodiversity* 2: 57-77.
- Carranza, S.** and Arnold, E.N. (2004). History of West Mediterranean newts, *Pleurodeles* (Amphibia:

- Salamandridae), inferred from old and recent DNA sequences. *Systematics and Biodiversity* 1: 327-337.
- Carranza, S.** and Arnold, E.N. (2003). Investigating the origin of transoceanic distributions: mtDNA shows *Mabuya* lizards (Reptilia, Scincidae) crossed the Atlantic twice. *Systematics and Biodiversity* 1: 275-282.
- Maca-Meyer N., **Carranza, S.**, Rando, J.C., Arnold, E.N. and Cabrera, V.M. (2003). Status and relationships of the extinct giant Canary Island *Gallotia goliath* (Reptilia: Lacertidae), assessed using ancient mtDNA from its mummified remains. *Biological Journal of the Linnean Society* 80: 659-670.
- Pongratz, N., Storhas, M., **Carranza, S.** and Michiels, N.K. (2003). Phylogeography of competing sexual and parthenogenetic forms of a freshwater flatworm: patterns and explanations. *BMC Evolutionary Biology* 3: 23 (1-15).
- Harris, D.J., **Carranza, S.**, Arnold, E.N., Pinho, C. and Ferrand, N. (2002). Complex biogeographical distribution of genetic variation within *Podarcis* Wall lizards across the Strait of Gibraltar. *Journal of Biogeography* 29: 1257-1262.
- Carranza, S.**, Arnold, E.N., Mateo, J.M. and Geniez, Ph. (2002). Relationships and evolution of the North African geckos, *Geckonia* and *Tarentola* (Reptilia: Gekkonidae), based on mitochondrial and nuclear DNA sequences. *Molecular Phylogenetics and Evolution* 23: 244-256.
- Carranza, S.**, Arnold, E.N., Mateo, J.A. and López-Jurado, L.F. (2001). Parallel gigantism and complex colonization patterns in the Cape Verde scincid lizards *Mabuya* and *Macrosцинus* (Reptilia: Scincidae) revealed by mitochondrial DNA sequences. *Proceedings of the Royal Society of London, Series B* 268: 1595-1603.
- Carranza, S.**, Arnold, E.N., Mateo, J.A. and López-Jurado, L.F. (2000). Long-distance colonization and radiation in gekkonid lizards, *Tarentola* (Reptilia: Gekkonidae), revealed by mitochondrial DNA sequences. *Proceedings of the Royal Society of London, Series B* 267: 637-649.
- Carranza, S.**, Arnold, E.N., Thomas, R.H., Mateo, J.A. and López-Jurado, L.F. (1999). Status of the extinct giant lacertid lizard *Gallotia simonyi simonyi* (Reptilia: Lacertidae) assessed using mtDNA sequences from museum specimens. *Herpetological journal* 9: 83-86.
- Carranza, S.**, Baguñà, J. and Riutort, M. (1999). Origin and evolution of paralogous rRNA gene clusters within the flatworm family Dugesidae (Platyhelminthes, Tricladida). *Journal of Molecular Evolution* 49: 250-259.
- Baguñà, J., **Carranza, S.**, Pala, M., Ribera, C., Giribet, G., Arnedo, M.A., Ribas, M. and Riutort M. (1999). From morphology and karyology to molecules. New methods for taxonomical identification of asexual populations of freshwater planarians. A tribute to Professor Mario Benazzi. *Italian Journal of Zoology* 66: 207-214.
- Giribet, G., Rambla, M., **Carranza, S.**, Baguñà, J., Riutort, M. and Ribera C. (1999). Phylogeny of the arachnid order Opiliones (Arthropoda) inferred from a combined approach of complete 18S and partial 28S ribosomal DNA sequences and morphology. *Molecular Phylogenetics and Evolution* 11: 296-307.
- Giribet, G. and **Carranza, S.** (1999). What can 18S do for Bivalve phylogeny? *Journal of Molecular Evolution* 48: 256-261.
- Carranza, S.**, Littlewood, D.T.J., Clough, K.A., Ruiz-Trillo, I., Baguñà, J. and Riutort M. (1998). A robust molecular phylogeny of the Tricladida (Platyhelminthes: Seriata) with a discussion on morphological synapomorphies. *Proceedings of the Royal Society of London, Series B* 265: 631-640.
- Carranza, S.**, Ruiz-Trillo, I., Littlewood, D.T.J., Riutort, M. and Baguñà, J. (1998). A reappraisal of the phylogenetic and taxonomic position of land planarians (Platyhelminthes, Turbellaria, Tricladida) inferred from 18S rDNA sequences. *Pedobiologia* 42: 433-440.
- Mateos, E., Giribet, G. and **Carranza, S.** (1998). Terrestrial planarians (Platyhelminthes, Tricladida, Terricola) from the Iberian Peninsula: first records of the family Rhynchodemidae, with the description of a new *Microplana* species. *Contributions to Zoology* 67: 267-276.
- Carranza, S.**, Baguñà, J. and Riutort, M. (1997). Are the Platyhelminthes a monophyletic primitive group? An assesment using 18S rDNA sequences. *Molecular Biology and Evolution* 14: 485-497.
- Giribet, G., **Carranza, S.**, Riutort, M., Baguñà, J. and Ribera, C. (1997). Internal phylogeny of the Chilopoda (Myriapoda, Arthropoda) using complete 18S rDNA and partial 28S rDNA sequences. *Philosophical Transactions of the Royal Society of London, Series B* 354: 215-222.
- Ramachandran, S., Beukeboom, L.W., Gerace, L., Pavlovic, N., **Carranza, S.** and Michiels, N.K. (1997). Isolation and characterization of microsatellite loci from the planarian *Dugesia polychroa* (Schmidt) (Platyhelminthes: Tricladida). *Molecular Ecology* 6: 389-391.
- Carranza, S.**, Giribet, G., Ribera, C., Baguñà, J. and Riutort, M. (1996). Evidence that two types of 18S rDNA coexist in the genome of *Dugesia (Schmidtea) mediterranea* (Platyhelminthes, Turbellaria, Tricladida). *Molecular Biology and Evolution* 13: 824-832.
- Giribet, G., **Carranza, S.**, Baguñà, J., Riutort, M. and Ribera, C. (1996). First molecular evidence for the existence of a Tardigrada + Arthropoda clade. *Molecular Biology and Evolution* 13: 76-84.
- Cebrià, F., Vispo, M., Bueno, D., **Carranza, S.**, Newmark, P. and Romero R. (1996). Myosin heavy chain gene in *Dugesia (G.) tigrina*: A tool for studying muscle regeneration in planarians. *The International Journal of Developmental Biology* 40: S177-S178 (Proceedings of the First Congress of the Spanish Society of Developmental Biology)

Vispo, M., Cebrià, F., Bueno, D., **Carranza, S.**, Newmark, P. and Romero R. (1996). Regionalisation along the anteroposterior axis of the freshwater planarian *Dugesia (G.) tigrina* by TCEN49 protein. *The International Journal of Developmental Biology* 40: S209-S210 (Proceedings of the First Congress of the Spanish Society of Developmental Biology)

Publications in non-SCI peer-reviewed journals

- Escoriza, D., Espejo, D., **Carranza, S.** and Comas, M.M. (2007). New data on the presence of the smooth snake *Coronella austriaca* Laurenti 1768 (Serpentes: Colubridae) in the Ports de Beceit (Northeastern Spain). *Boletín de la Asociación Herpetológica Española* 18: 39-41.
- Franch, M., Llorente, G.A., Montori, A., Richter-Boix, A. and **Carranza, S.** (2007). Discovery of an introduced population of *Discoglossus pictus* (Otth, 1837) out of their distribution range. *Herpetological Reviews* 38: 356-359.
- Batista, V., **Carranza, S.**, Carretero, M.A. and Harris, J. (2006). Genetic variation within *Bufo viridis*: evidence from mitochondrial 12S and 16S rRNA DNA sequences. *Butlletí de la Societat Catalana d'Herpetologia* 17: 24-33.
- Carranza, S.** and Giribet, G. (1997). Primera cita de *Dendrocoelum (D.) lacteum* (Müller, 1774) (Platyhelminthes Turbellaria; Tricladida; Dendrocoelidae) en la Península Ibérica. *Historia Animalium* 3: 5-8.
- Giribet, G. and **Carranza, S.** (1994). Dos nuevas localidades para un nemertino de agua dulce del género *Prostoma* Dugès, 1828 (Hoplonemertini: Tetrastemmatidae) en la Península Ibérica. *Graellsia* 50: 170-172.

Book Chapters

- Carranza S.** (2002). Los métodos moleculares en el estudio de la sistemática y filogenia de los Anfibios y Reptiles Ibéricos. In: *Atlas y Libro Rojo de los Anfibios y Reptiles de España* (Pleguezuelos, J.M., Márquez, R. and Lizana, M., Eds). Dirección General de la Conservación de la Naturaleza-Asociación Herpetológica Española (2ª impresión). Madrid: 551-579.
- Baguña, J., **Carranza, S.**, Paps, J., Ruiz-Trillo, I. and Riutort, M. (2001). Molecular taxonomy and phylogeny of Tricladida. In: *Interrelationships of the Platyhelminthes* (Littlewood, D.T.J. and Bray, R., Eds.). Taylor & Francis, London, UK: 49-56

Technical reports

- Amat, F. and **Carranza, S.** (2007) Projecte de conservació del trítid del Montseny (*Calotriton arnoldi*) en l'àmbit del Parc Natural del Montseny. Memoria técnica, 127 pp. Servicio de Parques Naturales de la Diputació de Barcelona y Departamento de Medio Ambiente de la Generalitat de Catalunya.
- Amat, F. and **Carranza, S.** (2005). Estudi demogràfic del trítid del Montseny *Calotriton arnoldi* al Parc Natural i reserva de la Biosfera del Montseny. Memoria técnica, 29 pp. Servicio de Parques Naturales de la Diputació de Barcelona

Other non peer-reviewed publications

- Arribas, O. and **Carranza, S.** (2007). Lagartija leonesa – *Iberolacerta galani*. En: *Enciclopedia Virtual de los Vertebrados Españoles* (Carrascal, L.M. and Salvador, A., Eds.). Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/>
- Amat, F. and **Carranza, S.** (2006). Tritón del Montseny – *Calotriton arnoldi*. En: *Enciclopedia Virtual de los Vertebrados Españoles* (Carrascal, L.M. and Salvador, A., Eds.). Museo Nacional de Ciencias Naturales, Madrid. <http://www.vertebradosibericos.org/>
- Amat, F. and **Carranza, S.** (2006). Aproximació a l'evolució i biologia del trítid del Montseny. In *Monografies del Montseny / 21* (Pladevall, A. Ed.). Editorial El Ciervo, Barcelona: 165-193.
- Carranza, S.** And Amat, F. (2006). El trítid del Montseny, descobriment d'una raresa amagada. *La Sitja del Llop* 29: 9-13.

Projects obtained in open competition by public advertisement

As Principal Investigator:

Project title: **Aplicación de la filogenia al estudio de los procesos evolutivos, ecológicos y biogeográficos: las faunas reptilianas de las zonas áridas de Africa y Arabia**

Financed by: **Ministerio de Educación y Ciencia (CGL2008-00827/BOS)**

Participants: Universidad de Barcelona (Spain), Museu d'Historia Natural de Barcelona (Spain), The Natural History Museum, London (UK), CNRS, Montpellier (France), CIBIO, (Portugal), University Center of El-Tarf (Algeria), Institute Sylvo-Pastoral (Tunisia).

Duration: 2009

PI: Salvador Carranza

Number of scientists in the project: 10

Project title: **Biogeografía y Evolución de los reptiles y anfibios de la cuenca Mediterránea Occidental.**

Financed by: **Ministerio de Educación y Ciencia (CGL2005-06876/BOS)**

Participants: Universidad de Barcelona, Universidad de Granada, The Natural History Museum (UK) and Universite Abdelmalek Essaadi (Morocco)

Duration: 2005 - 2008

PI: Salvador Carranza

Number of scientists in the project: 4

Project title: **Reptile Systematics**

Financed by: **Marie Curie European Reintegration Grants (ERG). Call Identifier:FP6-2002-Mobility-11 MERG-CT-2004-504373**

Participants: Universidad de Barcelona

Duration: 2004 - 2005

PI: Salvador Carranza

Number of scientists in the project: 2

Project title: **Grup de Recerca Emergent de la Generalitat de Catalunya - Zoological Systematics and Evolution Research Group – ZOOSYSEVO**

Financed by: **Generalitat de Catalunya (AGAUR) (2005SGR00045)**

Participants: Universidad de Barcelona

Duration: 2005 - 2008

PI: Salvador Carranza

Number of scientists in the project: 4 senior scientists + 16 PhD students

Project title: **Using Atlantic lizards molecular phylogenies to investigate the evolutionary and ecological consequences of long-distance transmarine colonization**

Financed by: **European Commission Research Directorates General. Marie Curie Individual Fellowship (Human Potential. Ref: HPMF-CT-1999-00108)**

Participants: The Natural History Museum, London

Duration: 2000 - 2002

PI: Salvador Carranza

Number of scientists in the project: 2

Project title: **Systematics of the Cape Verde skink genus *Mabuya* and the extinct *Macroscincus coctei*.**

Financed by: **The Linnean Society of London. Side, Bonhote, Omer-Cooper and Westwood Fund.**

Participants: The Natural History Museum, London

Duration: 2000 - 2001

PI: Salvador Carranza

Number of scientists in the project: 1

Participation in other projects

Project title: **Dynamic biogeography of North African and Arabian arid reptiles: using DNA sequences from whole faunas to test hypotheses about community origin and clade evolution.**

Financed by: **NERC (Natural Environment Research Council) (NER/A/S2001/00511)**

Participants: The Natural History Museum, London

Duration: 2002 - 2004

PI: Edwin Nicholas Arnold (PI) / Salvador Carranza (Recognized Researcher)

Number of scientists in the project: 2

Project title: **The Pillars of Hercules: using DNA sequence and current and previous marine barriers to reconstruct historical biogeography and evolution of reptiles and amphibians around the westernmost Mediterranean**

Financed by: **NERC (Natural Environment Research Council) (NER/B/S/2000/00714)**

Participants: The Natural History Museum, London

Duration: 2001- 2002

PI: Edwin Nicholas Arnold (PI) / Salvador Carranza (Recognized Researcher)

Number of scientists in the project: 3

Project title: **Using phylogenies to reconstruct ecological, behavioral, biogeographical and evolutive patterns: An example with the endemic wall lizards of the Balearic Islands**

Financed by: **The British Council (Acciones Integradas)**

Participants: The Natural History Museum, London y Universidad de Salamanca

Duration: 2001- 2002

PI: Edwin Nicholas Arnold / Valentín Pérez Mellado

Number of scientists in the project: 3

Project title: **Aproximación multigénica al origen y radiación de los Metazoos bilaterales y del superclado Lophotrochozoa**

Financed by: **Ministerio de Ciencia y Tecnología (BOS2002-02097)**

Participants: Universidad de Barcelona y The Natural History Museum, London

Duration: 2000 - 2003

PI: Jaume Baguña

Number of scientists in the project: 3

Project title: **Ever Westward: using DNA sequences to test the hypothesis that many tropical American lizard groups originated by long-distance trans-Atlantic dispersal from Africa**

Financed by: **NERC (Natural Environment Research Council) (GR9/04475)**

Participants: The Natural History Museum, London

Duration: 1999 - 2001

PI: Edwin Nicholas Arnold

Number of scientists in the project: 2

Project title: **Evolution of reptile communities in the Cape Verde Islands.**

Financed by: **The Royal Society (European Science Exchange Program) MH/ESEP**

Participants: The Natural History Museum, London y Universidad de Gran Canaria

Duration: 1999 - 2001

PI: Edwin Nicholas Arnold / Luis Felipe López-Jurado

Number of scientists in the project: 4

Project title: **Do scenarios of colonisation and evolution of Canary Island lizards fit the evidence?, Using DNA sequence to test and extend hypotheses of insular biogeography and adaptation**

Financed by: **NERC (Natural Environment Research Council) (GR9/3327)**

Participants: The Natural History Museum, London

Duration: 03-1998- 12-1998

PI: Edwin Nicholas Arnold

Number of scientists in the project: 3

Project title: **Aproximación molecular a dos grandes enigmas de la evolución animal: el origen de los Bilateria y la radiación de los artrópodos**

Financed by: **Ministerio de Educación y Cultura (PB96-0217)**

Participants: Universidad de Barcelona

Duration: 1997 - 1998

PI: Carlos Ribera

Number of scientists in the project: 4

Project title: **Origen y evolución inicial de los Platelminotos mediante análisis filogenético conjunto morfológico-molecular**

Financed by: **Ministerio de Educación y Cultura (Acciones Integradas) (HB1996-0034)**

Participants: Universidad de Barcelona and The Natural History Museum, London

Duration: 1997 - 1998

PI: Jaume Baguñà / Timothy Littlewood

Number of scientists in the project: 5

Project title: **Biología y Genética del Desarrollo**

Financed by: **Generalitat de Catalunya (SGR-00574)**

Participants: Universidad de Barcelona

Duration: 1995 - 1996

PI: Jaume Baguñà

Number of scientists in the project: 20

Project title: **Biología y Genética del Desarrollo**

Financed by: **Generalitat de Catalunya (GRQ93-1.044)**

Participants: Universidad de Barcelona

Duration: 1994 - 1995

PI: Jaume Baguñà

Number of scientists in the project: 18

Project title: **Aislamiento y caracterización de genes implicados en la formación y mantenimiento del patrón en la planaria *Dugesia tigrina***

Financed by: **Ministerio de Educación y ciencia (MEC/DGICYT PB93/0774)**

Participants: Universidad de Barcelona

Duration: 1994 - 1996

PI: Rafael Romero

Number of scientists in the project: 4

Contracts with private companies or administrations

As Principal Investigator

Title of the contract/project- **Conservación del tritón del Montseny (*Calotriton arnoldi*) en el ámbito del Parque Natural del Montseny - I**

Project Ref: FBG304097

Funding agency: Diputació de Barcelona

Participants: Diputació de Barcelona y Universidad de Barcelona.

Duration: 2006

PI: Salvador Carranza

Number of scientists in the project: 2

Title of the contract/project- **Conservación del tritón del Montseny (*Calotriton arnoldi*) en el ámbito del Parque Natural del Montseny - II**

Project Ref: FBG304514

Funding agency: Departamento de Medio Ambiente de la Generalitat de Catalunya

Participants: Departamento de Medio Ambiente de la Generalitat de Catalunya and Universidad de Barcelona

Duration: 2006

PI: Salvador Carranza

Number of scientists in the project: 2

Title of the contract/project- **Estudio de la variabilidad genética del cangrejo de río *Austropotamobius pallipes* en Catalunya**

Project Ref:

Funding agency: Departamento de Medio Ambiente de la Generalitat de Catalunya

Participants: Departamento de Medio Ambiente de la Generalitat de Catalunya and Universidad de Barcelona

Duration: 2006-2008

PI: Salvador Carranza

Number of scientists in the project: 2

Title of the contract/project- **Caracterización genética de la tortuga Mediterránea (*Testudo hermanni hermanni*) en Catalunya**

Project Ref:

Funding body: Departamento de Medio Ambiente de la Generalitat de Catalunya

Participants: Departamento de Medio Ambiente de la Generalitat de Catalunya and Universidad de Barcelona

Duration: 2006 - 2008

PI: Salvador Carranza

Number of scientists in the project: 2

Participation in other projects

Title of the contract/project- **Estudio demográfico del tritón del Montseny**

Project Ref: A120000/533A0/227.16/981

Funding agency: Diputació de Barcelona

Participants: Diputació de Barcelona y Universidad de Barcelona

Duration: 2005

PI: Felix Amat

Number of scientists in the project: 2

Scientific experience outside Spain

Total amount of time working in foreingh laboratories: 6 years and 3 months

Centre: The Natural History Museum. London

Place: London Country: **UK** Dates: 2002-2004 Duration (weeks): **88**

Project: Dynamic biogeography of North African and Arabian arid reptiles: using DNA sequences form whole faunas to test hypotheses about community origin and clade evolution

Postdoctoral Researcher

Centre: The Natural History Museum. London

Place: London Country: **UK** Dates: 2000-2002 Duration (weeks): **96**

Project: Using Atlantic lizard's molecular phylogenies to investigate the evolutionary and ecological consequences of long distance transmarine colonization

Postdoctoral Researcher

Centre: The Natural History Museum. London

Place: London Country: **UK** Dates: 1999-2000 Duration (weeks): **60**

Project: Biogeography and evolution of the reptiles of the Macaronesia (Azores, Madeira, Selvages, Canary Islands and Cape Verde) using morphological and molecular evidence from extant and extinct populations.

Postdoctoral Researcher

Centre: The Natural History Museum. London

Place: London Country: **UK** Dates: Mar.-Dec. 1998 Duration (weeks): **36**

Project: Do scenarios of colonization and evolution of Canary Island lizards fit the evidence?, Using DNA sequence to test and extend hypotheses of insular biogeography and adaptation

Postdoctoral Researcher

Centre: Max-Planck-Institut für verhaltensphysiologie

Place: Seewiesen Country: **Germany** Dates: Oct.-Dec. 1997 Duration (weeks): **8**

Project: Development of polymorphic mitochondrial markers (COI) in *Dugesia polychroa*.

PhD Student

Centre: The Natural History Museum. London

Place: London Country: **UK** Dates: August 1997 Duration (weeks): **4**

Project: Origin and initial evolution of Platyhelminthes using a morphological and molecular phylogenetic approach

PhD Student

Centre: Max-Planck-Institut für verhaltensphysiologie

Place: Seewiesen Country: **Germany** Dates: December 1994 Duration (weeks): **4**

Project: Cloning and characterization of microsatellites in *Dugesia polychroa*

PhD Student

Centre: Max-Planck-Institut für verhaltensphysiologie

Place: Seewiesen Country: **Germany** Dates: May 1994 Duration (weeks): **4**

Project: Usefulness o the RAPD's for the study of the variability in different pollutions of freshwater flatworms (Platyhelminthes, Turbellaria)

PhD Student

Conferences and contributions to congresses

Invited talks

Authors: Carranza, S.

Title: Molecular biodiversity of the reptiles and amphibians around the westernmost Mediterranean Basin
Molecular Biodiversity and DNA Barcode
Accademia Nazionale dei Lincei, Roma, Italia, 17th -19th of May 2007

Authors: Carranza, S.

Título: Biogeografía y evolución de los reptiles y anfibios del Mediterráneo Occidental
Universidad de A Coruña
A Coruña, Spain, 13th of April 2007

Authors: Carranza, S.

Title: El tritó del Montseny: origen i conservació d'una raresa amagada
Círculo de Amigos de los Parques Naturales – Red de Parques Naturales de la Diputació de Barcelona
Barcelona, Spain, 18th of October 2006

Authors: Carranza, S. and Amat, F.

Title: El tritó del Montseny: una nova espècie endèmica del massís del Montseny
Centre Cultural Europeo de la Naturaleza de Viladrau
Viladrau, Spain, 21st of July 2006
Conferencia en motivo de la concesión del premio “Muntanya d’Ametistes” por parte del Ayuntamiento de Viladrau

Authors: Carranza, S.

Title: Biogeografía i evolució dels rèptils i amfibis de la Mediterrània Occidental
Institución Catalana de Historia Natural - Universidad de Vic
Vic, Spain, 9th of March 2006

Authors: Carranza, S.

Title: Taxonomia, biogeografia i evolució del gènere *Euproctus* (Amphibia: Salamandridae) amb la descripció d'una nova espècie endèmica del massís del Montseny
Departamento de Producción Animal, Universidad de Lleida
Lleida, Spain, 15th of February 2006

Authors: Carranza, S.

Title: El tritó del Montseny: origen i conservació d'una raresa amagada
COSMOCAIXA
Barcelona, Spain, 8th of February 2006

Authors: Carranza, S.

Title: Biogeografía i evolució dels rèptils i amfibis de la conca Mediterrània Occidental
Museo de Zoología de Barcelona
Barcelona, Spain, 6th of February 2006

Authors: Carranza, S.

Title: Using DNA sequences and current and previous marine barriers to reconstruct historical biogeography and evolution of reptiles and amphibians around the westernmost Mediterranean
University of East Anglia, (UAE), Norwich, UK, 25th of February 2003

Authors: Carranza, S.

Title: Estudi de l'evolució i biogeografia de l'herpetofauna separada per l'estret de Gibraltar mitjançant tècniques moleculars
Opening Invited Lecture: Congress: VII Jornades Herpetològiques Catalanes
Serralada de Marina, Barcelona, Spain, 25th -27th of October 2002

Authors: Carranza, S.

Title: Estudio de la evolución y biogeografía de la herpetofauna separada por el estrecho de Gibraltar utilizando técnicas moleculares
Museo de Zoología de Barcelona
Barcelona, Spain, 20th of March 2002

Authors: Carranza, S.

Title: Utilización de filogenias moleculares para investigar las consecuencias ecológicas y evolutivas de las migraciones transoceánicas

Centre Especial de Recerca en Taxonomia, Filogènia i Ecologia Moleculars (CERTFEM) de la Universidad de Barcelona

Barcelona, Spain, 22nd of March 2002

Authors: Carranza, S.

Title: Using Atlantic lizards molecular phylogenies to investigate the evolutionary and ecological consequences of long-distance transmarine colonisation

Department of Biology, New Mexico State University, Las Cruces, USA, 28th of February 2002

Authors: Carranza, S.

Title: ITS-1, a molecular marker for taxonomic identification of asexual organisms in the *Dugesia gonocephala* species complex (Tricladida, Platyhelminthes)

Institut für Zoologie und Limnologie der Leopold-Franzens-Universität, Innsbruck, Austria, 21st of November 1997

Contributions to congresses

Internationals

27 presentations (21 oral presentations + 6 posters)

Nationals

9 oral presentations

Participation in courses and teaching activity

Postgraduate courses

Filogenias y genealogías de DNA: Reconstrucción y aplicaciones
Departamento de Genética de la Universidad de Barcelona
Barcelona, Spain, Two weeks: 2004, 2005, 2006, 2007, 2008

Coordination and participation in the summer course from the University of Barcelona ("Els Julols")

De gusanos reptantes a monos bípedos en 1.000 millones de años: orígenes y grandes transiciones evolutivas de los animales
COSMOCAIXA, Barcelona, Spain, 16th -21st of July 2007

Participation in the summer course of the University of La Gomera

Los reptiles canarios, origen y evolución
La diversidad genética de una especie en estado crítico
La Gomera, Islas Canarias, España, 29th of July – 2nd of August 2002

Teaching activities at the Department of Biology, University of Barcelona as a "Ramon y Cajal" Research Fellow

Years 2004-2008
204 hours

Teaching activities at the Department of Genetics, University of Barcelona as Assistant professor

October 1992-September 1997
1200 hours

Supervision of PhD Students and Master students

MSc in Experimental Biology: **Diversitat de planàries terrestres (Platyhelminthes: Tricladida) a la Península Ibèrica. Una aproximació molecular**

Student: Cristina Cabrera

University: Universidad de Barcelona, Facultad de Biología

Date: 23rd of February 2007

Supervisor: Salvador Carranza and Eduardo Mateos

MSc in Biology (Diploma if Advances Studies): **Biogeografia i evolució de l'herpetofauna de la Mediterrània occidental**

Student: Josep Lluís Roca

University: Universidad de Barcelona, Facultad de Biología

Date: 29th of September 2006

Supervisor: Salvador Carranza

PhD project: **Modeling terrestrial biodiversity in the Cape Verde islands: combining ecogeographical information with molecular markers**

PhD student: Raquel Campos Soares de Vasconcelos

University: Universidad de Porto, Facultad de Ciencias, Portugal / Universidad de Barcelona, Dept. Biología Animal

Dates: 2006-2010. Grant from the FCT, Portugal

Supervisors: James Harris and Salvador Carranza

PhD project: **Phylogeographic patterns and genetic diversity of selected herpetofauna from the West Indies**

PhD student: Catarina Rato

University: Universidad de Porto, Facultad de Ciencias, Portugal / Universidad de Barcelona, Dept. Biología Animal

Dates: 2008-2012. Grant from the FCT, Portugal

Supervisors: James Harris and Salvador Carranza

PhD project: **High altitude landscape genetics: predicting the past, present and future of selected African herpetofauna**

PhD student: Mafalda Barata

University: Universidad de Porto, Facultad de Ciencias, Portugal / Universidad de Barcelona, Dept. Biología Animal

Dates: 2008-2012. Grant from the FCT, Portugal

Supervisors: James Harris and Salvador Carranza

Other merits

Editorial work

Associate Editor of the International journal *Zootaxa* (from 2004)

More than 100 manuscripts edited, including 4 monographs

For more information : <http://www.mapress.com/zootaxa/>

2004 - August 2006: Associate Editor of reptiles and amphibians

August 2006 – March 2007: Associate Editor of reptiles with the exception of snakes

May 2007 – present: Associate Editor of reptiles with the exception of snakes, geckos and fossil reptiles

Member of the Editorial Board of the International journal *Amphibia-Reptilia* (from 2007)

<http://www.brill.nl/amre>

Member of the Editorial Board of the journal “Arxius de Miscel·lània Zoològica” del Museu de Ciències Naturals de Barcelona (from 2004)

http://w10.bcn.es/APPS/wprmuseuciencies/Museu.GeneradorPagines?idioma=1&seccio=3_2.355&visible=1

Referee

Scientific journals

Molecular Phylogenetics and Evolution (más de 15 artículos revisados), Molecular Biology and Evolution, Molecular Ecology, Biological Journal of the Linnean Society, Zoological Journal of the Linnean Society, Journal of Biogeography, Proceedings of the Royal Society Series B, Proceedings of the National Academy of Sciences (USA), Heredity, Journal of Molecular Evolution, Herpetological Journal, Copeia, Amphibia-Reptilia, Conservation Genetics, Evolution

Scientific projects

ANEP: 6 projects, years 2006, 2007, 2008

Natural Environment Research Council (NERC) 4 projects, years 2000, 2003, 2004

National Science Foundation (NSF) 2 projects, years 2003, 2008

Netherlands Organisation for Scientific Research (NAO) 1 project, year 2002

Fondo para la Investigación científica y Tecnológica (FONCyT); Ministerio de Educación, Ciencia y Tecnología, Argentina 5 projects, years 1997, 2005, 2006, 2008

Fundación BBVA: 1 project, year 2007

Member of PhD examination panels

Francesc Cebrià Sánchez (Barcelona, 2000); Iñaki Ruiz-Trillo (Barcelona, 2002); Dimitar Stefanov Dimitrov (Barcelona, 2005); Núria López Mercader (Barcelona, 2005); José Manuel Abreu de Jesus (Madeira, Portugal, 2005); Diego San Mauro (Madrid, 2007), Elena Gómez Diaz (Barcelona, September 2007), Eva Albert (Sevilla, July 2008)

Participation in scientific societies

2005 - Vocal of the “Societat Catalana d’Herpetologia”

Field experience

Organization and participation in expeditions to:

Cuba (June 2008), Sardinia, Italy (April 2006), Oman and United Arab Emirates (November 2005 and March 2006), Tunisia (February 2001), Morocco (September 2000, April 2001), Argentina and Brazil (November 2000), Cape Verde (November 1999), Cuba and Belize (March 1999), Canary Islands (June 1998)

Research Associate of the Department of Zoology, The Natural History Museum, London, UK

Press releases

See “Press releases” at: <http://www.scarranza.net>