

Personal Data

Name: Jesús Gómez-Zurita Frau

Position: Staff Scientist (Científico Titular)

Work Address: Institut de Biologia Evolutiva (CSIC-UPF), Consejo Superior de Investigaciones Científicas, Pg. Marítim de la Barceloneta 37-49, 08003 Barcelona, Spain

Place and date of birth: Palma de Mallorca, 17 July 1972

Nationality: Spanish

Education

Degree in Biology. University of the Balearic Islands. June 1995.

European PhD in Biology. University of the Balearic Islands. January 2000.

Grants and Awards

Awards

Honour Degree Award, Biology. University of the Balearic Islands. June 1995.

Predocctoral Studentships

Collaboration Research Studentship of the Spanish Ministry of Education and Culture. Laboratory of Genetics, Department of Biology, University of the Balearic Islands, Palma de Mallorca, Spain. October 94 - June 95.

F.P.U. PhD Studentship, Spanish Ministry of Education and Culture. Laboratory of Genetics, Department of Biology, University of the Balearic Islands, Palma de Mallorca, Spain. 1 January 1996 - 31 December 1999.

Postdoctoral Fellowships

European Union Marie Curie Postdoctoral Fellowship (FP5 Programme, Improving Human Potential and the Socio-economic Knowledge). «Unravelling theories of sex using molecular phylogenies in a parthenogenetic beetle model». Department of Biology, Imperial College, London, UK. 12 February 2001 to 11 February 2003. Contract No.: HPMF-CT-2000-00744. Supervisor: Dr. Alfred P. Vogler. P.I. : Jesús Gómez-Zurita.

European Union Marie Curie Reintegration Grant (FP6 Programme, Human Resources and Mobility). «Beetle comparative Genomics and Speciation (BUGS) : Genomic tools for the analysis of chromosome changes in the evolution of Coleoptera». Área de Biología Animal, Departamento de Zoología y Antropología Física, Facultad de Biología, Universidad de Murcia, Spain. 1 January to 31 December 2004. Project: BUGS-EVOGENOMICS. Contract No.: MERG-CT-2004-500004. Host: José Galián. P.I. : Jesús Gómez-Zurita. Quantity: 40,000 Euro.

Humboldt Research Fellowship (Alexander von Humboldt Foundation). «A molecular phylogeny of the leaf beetles – understanding the evolution of megadiversity and the quest for better DNA sequence data». Abteilung Entomologie, Zoologische Staatssammlung München, Munich, Germany. Start Date: 1 May 2006 to 30 April 2007. Host: Dr. Michael Balke. P.I. : Jesús Gómez-Zurita.

Project I3P (European Social Fund / C.S.I.C.) – «Colonización, dispersión y estructuración geográfica en hábitats de reciente constitución : análisis comparativo de especies en equilibrio y en expansión». From 1 November 2006 to 31 October 2009. P.I. : Jesús Gómez-Zurita and Ignacio Ribera. [Resigned for incompatibility with Humboldt Research Fellowship]

Ramón y Cajal Research Fellowship (Spanish Ministry of Education and Culture). «Origen y evolución de la asexualidad en Metazoos: filogenias moleculares, análisis genéticos y citológicos en coleópteros partenogenéticos». Departament de Biologia, Universitat de les Illes Balears, Spain. 1 May 2007 – 30 April 2012. P.I. : Jesús Gómez-Zurita. [Resigned 2 July 2007 for permanent position at CSIC]

Travel Grants

Project HPRI-CT-1999-00062 (EU FP5 Programme, SYS-RESOURCE, Access to Research Infrastructures Programme) – «Nested cladistic analysis and the gene tree-species tree problem : A case-study of structured populations in the *Timarcha goettingensis* complex (Coleoptera, Chrysomelidae)». Department of Entomology,

Natural History Museum, London, UK. From 11 September 2000 to 20 October 2000. Host: Alfried P. Vogler. P.I. : Jesús Gómez-Zurita.

Percy Sladen Memorial Fund (Linnean Society of London, UK) - «Discovery of Pacific biodiversity: Towards a molecular characterisation of New Caledonian Eumolpinae (Coleoptera, Chrysomelidae)». P.I. : Jesús Gómez-Zurita. Quantity : 750 GBP.

European Union SYNTHESYS Grant (FP6 Programme, Integrated Infrastructure Initiative), "Genomic mosaicism of unisexual *Calligrapha* Chevrolat, 1837 (Coleoptera, Chrysomelidae): seeking evidence from nuclear gene markers", Department of Entomology, The Natural History Museum, London, UK. 15 July – 15 August 2006. Host: Dr. Alfried P. Vogler. Contract No.: GB-TAF-1840.

European Union SYNTHESYS Grant (FP6 Programme, Integrated Infrastructure Initiative), Department of Entomology, Naturhistoriska Riksmuseet, Stockholm, Sweden. 5 August – 8 September 2007. Host: Prof. Kjell-Arne Johanson. Contract No.: SE-TAF-1893.

European Union SYNTHESYS Grant (FP6 Programme, Integrated Infrastructure Initiative), Department of Entomology, The Natural History Museum, London, UK. 8-28 June 2008. Host: Mrs. Sharon Shute. Contract No.: GB-TAF-4296.

European Union SYNTHESYS Grant (FP6 Programme, Integrated Infrastructure Initiative), "Examination of key type specimens towards a critical revision of the genus *Calligrapha* Chevrolat, 1837 (Coleoptera, Chrysomelidae)", Museum für Naturkunde of the Humboldt-Universität Berlin, Berlin, Germany. 18 January – 7 February 2009. Host: Dr. Johannes Frisch. Contract No.: DE-TAF-4348.

Ernst Mayr Travel Grant in Animal Systematics (Ernst Mayr Grants Committee, Museum of Comparative Zoology, Harvard, USA), "Systematic Revision of the poorly studied southern Nearctic and Neotropical *Calligrapha* Chevrolat", Museum of Comparative Zoology, Harvard University, Cambridge, USA. 22 November-5 December 2010. Hosts: Dr. Philip D. Perkins and Brian D. Farrell. P.I. : Jesús Gómez-Zurita. Quantity : 800 USD.

Academic Activities and Previous Posts (contracts)

Internal Student, Lab. Zoology, Dept. Biology, University of the Balearic Islands. October 1991 - June 1992.

Internal Student, Lab. Genetics, Dept. Biology, University of the Balearic Islands. October 1992 - June 1994.

Research assistantship in the Molecular Systematics Laboratory, Department of Entomology, The Natural History Museum, London. 6 November 2000 - 9 February 2001.

Research assistantship in the Área de Biología Animal, Departamento de Zoología y Antropología Física, Facultad de Biología, Universidad de Murcia, Spain. 1 November 2003 – 31 October 2005.

Participation in projects

Principal Investigator

Project BA 2152/5-1 (Deutsche Forschungsgemeinschaft, DFG, Germany) – «Do molecules bear the key to solving a complex taxonomic problem? The Western Palearctic jewel leaf beetles in the genus *Cryptocephalus* Müller (Coleoptera, Chrysomelidae)». From 1 January 2007 to 31 December 2007 (12 months). P.I. : Michael Balke (project promotor and co-P.I.: Jesús Gómez-Zurita). Quantity: 8,028 Euro.

Proyectos Intramurales Especiales (C.S.I.C., Spanish Ministry of Education and Science) - «Inferencia de las relaciones basales de Chrysomelidae usando genomas mitocondriales (casi) completos». From 1 August 2007 to 31 December 2008. P.I.: Jesús Gómez-Zurita. Quantity : 30,000 Euro.

NGS Research Grant (National Geographic Society, Committee for Research and Exploration, Contract No. 8380-07) - «Molecular biodiversity assessment of the leaf beetle fauna (Coleoptera, Chrysomelidae) of New Caledonia: Origin, age and diversification». P.I.: Jesús Gómez-Zurita. Quantity : 15,000 USD.

Project CGL2008-00007/BOS (Ministry of Science and Innovation) – «Evolución sin sexo: Circunstancias históricas e implicaciones ecológicas del origen híbrido de insectos unisexuales». From 1 January 2009 to 31 December 2011. P.I.: Jesús Gómez-Zurita. Quantity: 171,100 Euro (+35,931 Euro, overheads).

Project Ecology and Conservation Biology (Fundación BBVA), BIOCON08-45 – «Sincronización rápida de inventario e interacciones en estudios de Biodiversidad: Herramientas moleculares al servicio del conocimiento y conservación del bosque seco tropical en Nicaragua». From 1 July 2009 to 30 June 2012. P.I.: Jesús Gómez-Zurita. Quantity: 200,000 Euro.

Project C/032352/10, Programa de Cooperación Interuniversitaria e Investigación Científica (Ministry of Foreign Affairs and Cooperation) – «Sentando las bases para la creación del Banco de Germoplasma del Bosque Seco Tropical Americano, el BGBST "El Sálamo"». From 27 January 2011 to 26 January 2012 (with extension: 26 March 2012). P.I.: Jesús Gómez-Zurita. Quantity: 7,598.50 Euro.

Project CGL2011-23820 (Ministry of Science and Innovation) – «Análisis a escala genómica de las consecuencias evolutivas del abandono del sexo: Explorando el destino de la función masculina». From 1 January 2012 to 31 December 2014 (with one-year extension: 31 December 2015). P.I.: Jesús Gómez-Zurita. Quantity : 171,000 Euro (+35,910 Euro, overheads).

Project COOPA20068, Programa CSIC de cooperación científica, I-COOP+ Modalidad A 2014 – «Phylogeny and biogeography of Polyrhaphidini and their placement among the Lamiinae (Coleoptera: Cerambycidae)». From 1 August 2015 to 31 December 2015. P.I.: Jesús Gómez-Zurita. No. Researchers: 4. Quantity: 10,000 Euro.

Project CGL2014-52937-P (Ministry of Economy) – «¿Tienen los endosimbiontes de herencia materna algún papel en el origen y mantenimiento de la unisexualidad en *Calligrapha* (Coleoptera: Chrysomelidae)?». From 1 January 2015 to 31 December 2017. P.I.: Jesús Gómez-Zurita. Quantity : 125,000 Euro (+26,250 Euro, overhead).

Participant

Project DGICYT PB93-0419 (Spanish Ministry of Science and Technology) – «Filogenias moleculares, cromosómicas y análisis cladístico en coleópteros». From 30 November 1994 to 29 November 1997. P.I. : Eduard Petitpierre.

Project DGES PB96-0090 (Spanish Ministry of Science and Technology) – «Especiación por aislamiento geográfico en coleópteros : análisis genético y citogenético». From 30 November 1997 to 1 December 2000. P.I. : Eduard Petitpierre.

Project Natural History Museum Core Funding – «Evolution and diversity of beetles. Natural History Museum Programme». P.I. : Alfried P. Vogler.

Project REN2003-03667 – «Filogenia molecular de la subfamilia Chrysomelinae (Coleoptera, Chrysomelidae)». From 1 December 2003 to 30 November 2006. P.I.: Eduard Petitpierre.

Project BOS2002-02870 – «Genómica comparativa : obtención y normalización de genotecas de ADNc (EST) y análisis de expresión diferencial de genes en Coleópteros». From 1 November 2002 to 31 October 2005. P.I. : José Galián.

Project 2009SGR1462 (Generalitat de Catalunya) – Grup de Recerca Consolidat en Sistemàtica i Evolució Zoològica – ZOOSYSEVO. From 2009 to 2013. P.I.: Salvador Carranza. No. Researchers: 10. Quantity : 50,960 Euro.

Project 2014CL0015 (C.S.I.C.) – «El código de barras genético como aproximación a la biodiversidad de insectos de Huinay». From 1 January 2014 to 31 December 2014. P.I.: Roger Vila Ujaldón. No. Researchers: 3. Quantity: 10,000 Euro.

Project 2014SGR1532 (Generalitat de Catalunya) – Grup de Recerca Consolidat en Biologia Animal i Evolució. From 1 January 2014 to 31 December 2016. P.I.: Salvador Carranza. No. Researchers: 8. Quantity: 38,400 Euro.

Panels and Committees

National Research Management

Member of the Evaluation Panel for the "Ramón y Cajal" and "Juan de la Cierva" Programmes of the Spanish Ministry of Science and Innovation. 21-22 May 2008, Madrid (Spain).

Member *ad hoc* for the Commission of Project Selection, "National Programme on Biodiversity, Earth Sciences and Climate Change (CGL), Biodiversity Subprogramme (BOS), sub-commission B", Ministry of Economy and Competitiveness. 19-20 June 2012, Madrid (Spain).

Collaborator of Projects Manager (CGL/BOS) in the General Subdirectorate for Research Projects, General Directorate for Scientific and Technical Research, Ministry of Economy and Competitiveness, Madrid (Spain). From 1 March 2013.

Researcher Position Committees

Member of the Evaluation Panel for three CSIC Staff Scientist Positions, "Tribunal 33: Biodiversidad Animal", with specialities of "Morphological Evolution of Insects" (IBMB), "Speciation and molecular bases of animal evolution" (MNCN) and "Phylogeny and molecular evolution of arthropods" (IMEDEA). 3-7 November 2008, Barcelona (Spain).

Secretary of the Evaluation Panel for one CSIC Staff Scientist Position, "Tribunal 31: Ecología de Artrópodos" (EEZA). 2-4 November 2009, Almería (Spain).

R+D Organizing Committees

Member of the Organizing Committee of the II Iberian Congress of Biological Systematics, "CISA'2013 Diversity is Life", Barcelona (Spain), 25-27 September 2013.

Erasmus, DEA and MSc project supervision

José Antonio Jurado Rivera, Research Certificate, DEA, Universitat de les Illes Balears, "La filogenia molecular aplicada al estudio de la dieta de los insectos fitófagos: Ensayo en los Chrysomelinae australianos (Coleoptera: Chrysomelidae)", 2 June 2008. Qualification: Sobresaliente.

Helena Vizán Rico, MSc in Evolutionary Biology, Universidad Complutense de Madrid, "Evolución de genes de función masculina en especies de Calligrapha (Coleoptera: Chrysomelidae) con diferentes estrategias reproductivas", 20 September 2012. Qualification: 9/10.

Anna Vourlou, Graduating student, Faculty of Biology, National and Kapodistrian University of Athens, ERASMUS Placement Programme, 3 March-30 June 2014.

Nikolaos-Panagiotis Vlachopoulos, Biology Department, University of Crete, ERASMUS Practical Training, 15 March-15 June 2016.

PhD Theses and Postdoctoral supervision

Postdoc Supervision

Host to Dr. Anna Papadopoulou (Juan de la Cierva Programme), Institute of Evolutionary Biology, Barcelona. January 2011-October 2013.

Predoc Supervision

Co-supervisor with Prof. José Serrano of the PhD thesis of Mr. Carmelo Andújar Fernández, "Systematics and Evolution of the *Carabus (Mesocarabus) lusitanicus* complex (Insecta: Coleoptera: Carabidae: Carabini) in the Iberian Peninsula", University of Murcia (Murcia, Spain), 28 September 2012. Qualification: *Apto Cum Laude* (European Mention).

Co-supervisor with Prof. Eduard Petitpierre of the PhD thesis of Mr. José Antonio Jurado Rivera, "Filogenia molecular, sistemática y evolución de los Chrysomelinae australianos (Coleoptera, Chrysomelidae)", University of the Balearic Islands, Palma de Mallorca (Spain), 23 January 2015. Qualification: *Sobresaliente*.

Supervisor of the PhD thesis of Mr. Tinguaro Montelongo Suárez (FPI studentship), "Genetic and phylogenetic tests of hybridization in unisexual beetles", Institute of Evolutionary Biology, Barcelona. Since September 2009.

Supervisor of the PhD thesis of Mrs. Gissela De la Cadena Mendoza (MAEC-AECID studentship, Foreigners Programme II-A), "Structure of herbivore beetle communities in seasonally dry forest of the Neotropics" (co-supervision by Dr. Anna Papadopoulou, IBE), Institute of Evolutionary Biology, Barcelona. Since October 2010. [Studentship obtained with the project "Eliminación de impedimentos taxonómicos y ecológicos en 'hot-spots' de biodiversidad mediante herramientas moleculares: Estructura, función y conservación del bosque seco tropical en Ecuador", 1/10/2010-30/09/2013]

Supervisor of the PhD thesis of Mrs. Anabela do Rosário Piedade Cardoso (freelance), "Differentiation in the tiger beetle *Cicindela lusitanica* and its relevance for conservation", Institute of Evolutionary Biology, Barcelona. Since September 2011.

Supervisor of the PhD thesis of Mrs. Nguyen Thi Dinh (CSIC-VAST cooperation agreement), "Community changes associated to biome shifts and their importance for conservation: Molecular biodiversity assessment of Chrysomelidae (Coleoptera) and their plant diets in the transition between tropical dry and moist evergreen forests in Viet Nam", Institute of Evolutionary Biology, Barcelona. Since July 2012.

Supervisor of the PhD thesis of Mrs. Helena Isabel Vizán Rico (FPI studentship), "Genome-wide analysis of the consequences of sex loss: Exploring the fate of male function", Institute of Evolutionary Biology, Barcelona. Since 1 December 2012.

Co-supervisor with Dr. Luciane Marinoni (Univ. Fed. do Paraná) and Dr. Marcela Laura Monné (Museu Nacional da Univ. do Rio de Janeiro) of the PhD thesis of Mr. Diego de Santana Souza (iCOOP+ studentship, CSIC), "Phylogeny and biogeography of Polyrhaphidini and their placement among the Lamiinae (Coleoptera: Cerambycidae)", Universidade Federal do Paraná, Curitiba. From 3 August 2015.

Appointed *ad hoc* Reviewer

Research Projects from National Agencies

Argentina. (1) FONCyT, Secretaria de Ciencia, Tecnología e Innovación (Agencia Nacional de Promoción Científica y Tecnológica).

Austria. (1) Fonds zur Förderung der wissenschaftlichen Forschung (FWF).

Czech Republic. (1) Grant Agency of the Czech Republic.

France. (1) Agence Nationale de la Recherche (ANR); (2) Fondation pour la Recherche sur la Biodiversité; (3) MISTRALS, ENVI-MED Regional Programme.

Spain. (1) Plan Nacional de I+D+I 2004-2007; (2) Plan Nacional de I+D+I 2008-2011; (3) Programa de Parques Nacionales del Ministerio de Medio Ambiente.

The Netherlands. (1) Nederlandse Organisatie voor Wetenschappelijk (NOW), Council for the Earth and Life Sciences.

USA. (1) National Science Foundation.

Research Projects from Regional or Local Agencies

Belgium. (1) Special fund for research of the Research Council, Universiteit Antwerpen.

Spain. (1) Consejo de Educación, Castilla-La Mancha; (2) Fundación Séneca, Murcia; (3) Junta de Andalucía; (4) Plan de Ciencia, Tecnología e Innovación de Asturias; (5) Proyectos de Investigación Fundamental 2010, Gobierno de Canarias.

Articles in National Journals

(1) *Acta Entomologica Musei Nationalis Pragae*, (2) *Boletín de la Sociedad Entomológica Aragonesa*, (3) *Bolletí de la Societat d'Història Natural de les Balears*, (4) *Journal of the Entomological Research Society*, and (4) *Turkish Journal of Zoology*.

Articles in International Journals

(1) *Biological Journal of the Linnean Society*, (2) *BMC Evolutionary Biology*, (3) *Bulletin of Entomological Research*, (4) *Conservation Genetics*, (5) *Ecological Indicators*, (6) *Entomologica Fennica*, (7) *European Journal of Entomology*, (8) *European Journal of Taxonomy*, (9) *Evolution*, (10) *Evolutionary Ecology*, (11) *Genus*, (12) *Insect Molecular Biology*, (13) *Integrative Zoology*, (14) *International Journal of Molecular Sciences*, (15) *Journal of Biogeography*, (16) *Journal of Heredity*, (17) *Journal of Insect Conservation*, (18) *Journal of Molecular Evolution*, (19) *Journal of Zoology*, (20) *Molecular Ecology*, (21) *Molecular Ecology Resources*, (22) *Molecular Phylogenetics and Evolution*, (23) *Myrmecological News*, (24) *PLoS ONE*, (25) *Proceedings of the Royal Society of London B*, (26) *Systematic Entomology*, (27) *Systematics and Biodiversity*, (28) *ZooKeys*, (29) *Zoological Science*, (30) *Zoologica Scripta*, and (31) *Zootaxa*.

Scientific Meetings and Conferences

- Gómez-Zurita, J. & A. Alemany. Catálogo de los Coleópteros Scarabaeoidea que figuran en la colección entomológica del Hno. J. Jordà (U.I.B.). XI Bienal de la Real Sociedad Española de Historia Natural, Jaca (Huesca, Spain), 13-18 September 1993. [poster]
- Petitpierre, E., Carreras, I. & Gómez-Zurita, J. Cariotipos, tamaño genómico y evolución de los Cassidinae europeos (Coleoptera: Chrysomelidae). XIV Jornadas de la Asociación española de Entomología, Cuenca (Spain), 3-7 July 1995. [talk]

3. Gómez-Zurita, J., Pons, J. & Petitpierre, E. The lowest chromosome number of *Timarcha*: Validation of *T. aurichalcea* (Bech.), a species with 18 chromosomes. XXth International Congress of Entomology, Firenze (Italy), 25-31 August 1996. [poster]
4. Sacaré, A., Gómez-Zurita, J. & Petitpierre, E. Biodiversity and biogeography of the updated chrysomelid fauna of Balearic Islands (Coleoptera). XXth International Congress of Entomology, Firenze (Italy), 25-31 August 1996. [poster]
5. Petitpierre, E. & J. Gómez-Zurita. Evolución cromosómica en la subfamilia Chrysomelinae (Coleoptera, Chrysomelidae). XI Seminario de Genética de Poblaciones y Evolución, Santiago de Compostela (Spain), 15-18 April 1997. [talk]
6. Gómez-Zurita, J., C. Juan & E. Petitpierre. Phylogeny of phytophagous beetles of the genus *Timarcha* (Chrysomelidae) based on molecular (COII) and life history traits. 6th Congress of the European Society for Evolutionary Biology, Arnhem (The Netherlands), 24-28 August 1997. [poster]
7. Gómez-Zurita, J., C. Juan & E. Petitpierre. Population and phylogenetic analyses of the *Timarcha goettingensis* complex (Coleoptera, Chrysomelidae) based on mitochondrial DNA sequences. VIth European Congress of Entomology, České Budejovice (Czech Republic), 23-29 August 1998. [poster]
8. Gómez-Zurita, J., C. Garin, C. Juan & E. Petitpierre. Filogenia molecular de *Timarcha* y *Chrysolina* (Coleoptera, Chrysomelidae). XII Seminario de Genética de Poblaciones y Evolución, Begur (Girona, Spain), 25-28 november 1998. [talk]
9. Gómez-Zurita, J., C. Juan & E. Petitpierre. Mitochondrial phylogeny of the genus *Timarcha* (Coleoptera, Chrysomelidae) inferred from complete COII and partial 16S rDNA genes. VIIth Congress of the European Society for Evolutionary Biology, Barcelona (Spain), 23-28 August 1999. [poster]
10. Juan, C., J. Gómez-Zurita & E. Petitpierre. Nuclear ribosomal ITS2 sequences are useful to resolve the basal relationships in the phylogeny of *Timarcha* (Coleoptera, Chrysomelidae). VIIth Congress of the European Society for Evolutionary Biology, Barcelona (Spain). 23-28 August 1999. [poster]
11. Gómez-Zurita, J., E. Petitpierre & C. Juan. Nested geographical cladistic analysis and phylogeography of the *Timarcha goettingensis* complex (Coleoptera, Chrysomelidae). Phylogeography, Hybridisation and Speciation, Aussois (France). 18-22 April 2000. [poster]
12. Juan, C., J. Gómez-Zurita, C.F. Garin & E. Petitpierre. Molecular phylogenetics and food specialisation in phytophagous beetles: The case of *Chrysolina* and *Timarcha* (Chrysomelidae). Phylogeography, Hybridisation and Speciation, Aussois (France). 18-22 April 2000. [poster]
13. Vogler, A.P., K. Theodorides & J. Gómez-Zurita. Expressed sequence tags for molecular systematics of beetles. "Evolution 2001", Congress of the Society for the Study of Evolution, American Society of Naturalists and Society of Systematic Biologists, Knoxville, Tennessee (USA). 26-30 June 2001. [talk]
14. Vogler, A.P., K. Theodorides & J. Gómez-Zurita. Expressed sequence tags for molecular systematics of beetles. 20th Annual Meeting of the Willi Hennig Society, Oregon State University, Corvallis, Oregon (USA). 26-30 August 2001. [talk]
15. Gómez-Zurita, J. When phylogeography meets gene history: Nested clade analysis and the inference of recurrent and episodic population processes. Invited talk in the annual meeting of the Société française de Systématique, "Systématique et Biogéographie", Paris (France). 27-28 September 2001. [plenary lecture]
16. Gómez-Zurita, J. & A.P. Vogler. ITS2 phylogeography of the *Timarcha goettingensis* complex (Coleoptera: Chrysomelidae): parallelisms and differences with mitochondrial COII data. Population Genetics Group 35th Annual Meeting, University of Leeds, Leeds (U.K.). 2-5 January 2002. [talk]
17. Gómez-Zurita, J. & A.P. Vogler. A new tool to detect hybridization of closely related lineages from a sample of nuclear and mtDNA haplotypes. ICSEB VI Sixth International Congress of Systematic and Evolutionary Biology, "Biodiversity in the Information Age", Patras (Greece). 9-16 September 2002. [talk]
18. Gómez-Zurita, J. Incongruent phylogeographies in the *Timarcha goettingensis* complex (Coleoptera, Chrysomelidae): Reconciling patterns and processes. Invited talk to the CIBIO, Campus Agrário de Vairão, University of Porto (Portugal). 6 January 2003. [invited talk]
19. Gómez-Zurita, J., D.J. Funk & A.P. Vogler. Evolutionary origins of asexual reproduction in the genus *Calligrapha* (Coleoptera, Chrysomelidae). ESF PARTNER Workshop 3, "Diversity in Asexuals: patterns and processes", Münster (Germany). 6-10 October 2004 [talk]

20. Gómez-Zurita, J. The evolutionary origin of asexual reproduction in the genus *Calligrapha* (Coleoptera, Chrysomelidae). XV Seminario de Genética de Poblaciones y Evolución, Sigüenza (Guadalajara, Spain). 9-12 November 2004. [talk]
21. Pons, J., A. Cardoso, D. Duran, J. Gómez-Zurita, S. Sumlin, T. Barraclough & A.P. Vogler. Rapid species delimitation for DNA based taxonomy. XV Seminario de Genética de Poblaciones y Evolución, Sigüenza (Guadalajara, Spain). 9-12 November 2004. [talk]
22. Gómez-Zurita, J., A.P. Vogler & D.J. Funk. Phylogenetic evidence on the hybridogenetic origin of asexual *Calligrapha* (Coleoptera, Chrysomelidae). 38th Population Genetics Group Meeting, University of Reading, Reading (U.K.). 14-17 December 2004. [talk]
23. Abellán, P., D. Sánchez-Fernández, A. Millán, J. Velasco, J. Gómez-Zurita, I. Ribera & J. Galián. Distribution, genetic diversity and conservation status of *Ochthebius glaber* Montes & Soler (Coleoptera: Hydraenidae), an endemic beetle from Iberian hypersaline waters. International Symposium on Biodiversity Loss in Europe, Almería (Spain). 4-6 March 2005. [poster]
24. Jurado, J.A., E. Petitpierre & J. Gómez-Zurita. Nuevas aportaciones a la filogenia molecular del género *Chrysolina* (Coleoptera, Chrysomelidae). XIII Jornadas de la Asociación Española de Entomología, Logroño, La Rioja (Spain). 11-13 July 2005. [poster]
25. Gómez-Zurita, J. Origen evolutiu de la partenogènesi als animals: hibridació interespecífica. VI Jornada de Biologia Evolutiva, Barcelona (Spain). 3 July 2006. [plenary lecture]
26. Gómez-Zurita, J. Statistical analysis of mosaic genomes: detection of hybrids using genotype networks. ESF Exploratory Workshop: New tools for biodiversity conservation through the advancement of phylogeographic methodologies, University of East Anglia, Norwich (U.K.). 3-6 July 2006. [invited talk]
27. Gómez-Zurita, J. Statistical analysis of mosaic genomes: detection of hybrids using genotype networks / Nested clade phylogeographic analysis under siege. Journal Club, The Natural History Museum, London (U.K.). 4 August 2006. [invited talk]
28. Gómez-Zurita, J. & Jurado-Rivera, J.A. Dos por uno: Aportación de los marcadores moleculares al estudio de la biodiversidad y de sus interacciones. II Congreso Nacional de Biodiversidad, Santa Susanna, Barcelona (Spain). 10-13 February 2009. [talk]
29. Jurado-Rivera, J.A., Reid, C.A.M., Petitpierre, E. & Gómez-Zurita, J. Origen, evolución y diversificación de los Chrysomelinae australianos (Coleoptera, Chrysomelidae). II Congreso Nacional de Biodiversidad, Santa Susanna, Barcelona (Spain). 10-13 February 2009. [poster] [2nd Poster Award]
30. Gómez-Zurita, J. El origen de la unisexualidad en insectos. VIII Ciclo de Conferencias sobre Biodiversidad y Conservación, Dptos. Biología Animal y Ecología, Universidad de Granada, Granada (Spain). 7 May 2009. [invited talk]
31. Gómez-Zurita, J. Quan les sangs no es mesclen – Origen i conseqüències evolutives de l'unisexualitat als animals. Cicle de Conferències “Any Darwin”, Museu Balear de Ciències Naturals, Sóller (Mallorca, Spain), 20 June 2009. [invited talk]
32. Gómez-Zurita, J. Institute of Evolutionary Biology (IBE) – A multidisciplinary view on Biodiversity. VAST-CSIC Workshop “From Biodiversity to Biotechnology”, Ha noi (Vietnam), 3-4 March 2010. [invited talk]
33. Funk, D.J., Gómez-Zurita, J. & Lucak, T.J. Asexual species origins in *Calligrapha* leaf beetles: Phylogenetic, ecological, and reproductive insights. “Evolution 2010”, Annual meeting of the Society for the Study of Evolution, Society of Systematic Biologists, and the American Society of Naturalists, Portland (Oregon, USA), 25-29 June 2010. [talk]
34. Gómez-Zurita, J. 350.000 especies. El éxito y la fragilidad de los coleópteros como paradigma de la biodiversidad. “Biodiversidad. Del Museo a la Naturaleza”, Ciclo de conferencias en conmemoración del Año Internacional de la Biodiversidad, CSIC, Delegación del CSIC de Cataluña, Barcelona (Spain), 25 October 2010. [invited conference]
35. De la Cadena, G., Papadopoulou, A., Maes, J.-M. & Gómez-Zurita, J. Evaluación filogenética de la diversidad taxonómica y ecológica de coleópteros fitófagos (Chrysomelidae: Alticinae y Cassidinae) en el bosque seco tropical en Nicaragua. I Congreso Ibérico de Sistemática Animal, Madrid (Spain), 17-19 January 2012. [poster]

36. Montelongo, T. & Gómez-Zurita, J. Sistemática molecular y ecología molecular para la diagnosis de diversidad críptica en *Calligrapha* (Coleoptera: Chrysomelidae). I Congreso Ibérico de Sistemática Animal, Madrid (Spain), 17-19 January 2012. [poster]
37. Papadopoulou, A., Cardoso, A. & Gómez-Zurita, J. Diversity and diversification of New Caledonian Eumolpinae (Coleoptera: Chrysomelidae). I Congreso Ibérico de Sistemática Animal, Madrid (Spain), 17-19 January 2012. [poster]
38. Gómez-Zurita, J. Un viaje a través del bosque desde el Mediterráneo hasta el Pacífico. Academia de Ciencias de Nicaragua, Instituto de Historia, UCA, Managua (Nicaragua), 25 January 2012. [invited conference]
39. De la Cadena, G., Cardoso, A., Maes, J.-M., Papadopoulou, A. & Gómez-Zurita, J. Phylogenetic assessment of taxonomic and ecological biodiversity of herbivore beetles in the dry tropical forest. BioSyst.EU 2013, Global Systematics, Vienna (Austria), 18-22 February 2013. [poster]
40. Gómez-Zurita, J., Cardoso, A. & Papadopoulou, A. Rapid biodiversity assessment in biodiversity hotspots: diversity and diversification of New Caledonian leaf beetles. BioSyst.EU 2013, Global Systematics, Vienna (Austria), 18-22 February 2013. [talk]
41. Montelongo, T. & Gómez-Zurita, J. Genomic mosaicism confirms the complex hybrid origin of unisexuality in *Calligrapha* (Coleoptera: Chrysomelidae). BioSyst.EU 2013, Global Systematics, Vienna (Austria), 18-22 February 2013. [talk]
42. De la Cadena, G., Cardoso, A., Maes, J.-M., Papadopoulou, A. & Gómez-Zurita, J. Phylogenetic assessment of taxonomic and ecological biodiversity of herbivore beetles in the dry tropical forest. XIII Jornada de Biología Evolutiva, Societat Catalana de Biologia, Barcelona (Spain), 2 July 2013. [poster]
43. Serrano, J., Gómez-Zurita, J. & Andújar, C. Integrative taxonomy in the subgenus *Mesocarabus* (Carabidae, *Carabus*). 16th European Carabidologists Meeting, Prague (Czech Republic), 22-27 September 2013. [talk]
44. De la Cadena, G., Cardoso, A., Maes, J.-M., Papadopoulou, A. & Gómez-Zurita, J. Caracterización de redes tróficas en ecosistemas tropicales mediante secuencias de ADN y métodos filogenéticos: los Chrysomelidae (Coleoptera) del bosque seco tropical asociados a Lamiales. II Iberian Congress of Biological Systematics, Barcelona (Spain), 25-27 September 2013. [talk]
45. Vizán-Rico, H.I. & Gómez-Zurita, J. RNA-Seq transcriptome analysis of *Calligrapha* leaf beetle testes and the quest for male-specific genes. 18th Evolutionary Biology Meeting at Marseilles, Marseilles (France), 16-19 September 2014. [poster]
46. Gómez-Zurita, J. & Montelongo, T. Non-random patterns of genetic admixture expose an unexpected complexity for the hybrid origin of unisexual leaf beetle species. 18th Evolutionary Biology Meeting at Marseilles, Marseilles (France), 16-19 September 2014. [talk]
47. Vizán-Rico, H.I. & Gómez-Zurita, J. Transcriptome analysis of *Calligrapha* (Chrysomelidae) testis: functional annotation and orthology assessment of male-biased genes. III Iberian Congress of Biological Systematics, Vitoria-Gasteiz (Spain), 17-18 December 2015. [talk]
48. Souza, D. de Santana, Marinoni, L., Monné, M.L. & Gómez-Zurita, J. Phylogeny of Polyrhaphidini and their placement among the Lamiinae tribes (Coleoptera, Cerambycidae). V Congreso de la Sociedad española de Biología Evolutiva, Murcia, 18-21 January 2016. [poster]

Design of analytical tools

2012. *bfca: Bayes Factor Cluster Analysis*. Copyright © 2012 Carmelo Andújar, Víctor Soria-Carrasco & Jesús Gómez-Zurita. [Available at: <http://molevol.cmima.csic.es/gomez-zurita/software.html>]

2013. *BAGpipe: Pipeline for Biodiversity Assessment using GenBank data*. Copyright © 2013 Anna Papadopoulou, Douglas Chesters & Jesús Gómez-Zurita. [Available at: <http://molevol.cmima.csic.es/gomez-zurita/software.html>]

Field Work Experience

America

NE North America (New Jersey, New York, Pennsylvania, Maryland, West Virginia, Ohio, Michigan, Vermont, New Hampshire, Massachusetts, Quebec, Ontario) – July 2001

Eastern Canada (Quebec, Ontario) – July 2002

NW North America (Oregon, Washington, Idaho, Montana, British Columbia, Alberta) – July-August 2009

American Midwest (Illinois, Iowa, South Dakota, North Dakota, Minnesota, Wisconsin) – June 2010
SE North America (Texas, Louisiana, Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee) – May 2011
León and Managua provinces (Nicaragua) – January 2012
NE North America (Virginia, Maryland, Delaware, Pennsylvania, New York, Quebec, New Brunswick, Nova Scotia, Maine, New Hampshire, Massachusetts) – May-June 2012
Chile (Los Lagos) - December 2014
NE North America (New Hampshire, New York, Vermont) – June-July 2015

Asia

Vietnam (Ninh Thuan) - September 2012

Europe

Iberian Peninsula – 1994-2000, 2002.

Oceania

New Caledonia – March-April 2008

Museum Experience

E.H. Strickland Entomological Museum (Edmonton AB, Canada)
Florida State Collection of Arthropods (Gainesville FL, USA)
Harvard Museum of Comparative Zoology (Cambridge MA, USA)
M.T. James Entomological Collection (Pullman WA, USA)
Museum für Naturkunde (Berlin, Germany)
Narodní Muzeum (Prague, Czech Republic)
Natural History Museum (London, UK)
Naturhistorisches Museum (Basel, Switzerland)
Naturhistoriska riksmuseet (Stockholm, Sweden)
Oregon State Arthropod Collection (Corvallis OR, USA)
Oxford University Museum of Natural History (Oxford, UK)
Royal Alberta Museum (Edmonton AB, Canada)
Smithsonian Institution National Museum of Natural History (Washington DC, USA)
Texas A&M University Insect Collection (College Station TX, USA)
University of Wisconsin Insect Research Collection (Madison WI, USA)
Zoologische Staatssammlung (Munich, Germany)

Taxonomic acts

Taxa described

Arsipoda geographica Gómez-Zurita, 2010
Arsipoda rostrata Gómez-Zurita, 2010
Calligrapha anabelae Gómez-Zurita, 2015
Calligrapha catarinae Gómez-Zurita, 2015
Calligrapha pavimentata Gómez-Zurita, 2016
Calligrapha thermalis Gómez-Zurita 2013
Calligrapha zapoteca Gómez-Zurita, 2016
Oulema (Oulema) taophiloides Gómez-Zurita, 2011
Taophila subgen. *Lapita* Gómez-Zurita & Cardoso, 2014
Taophila subgen. *Jolivetiana* Gómez-Zurita & Cardoso, 2014
Taophila (Lapita) aphrodita Gómez-Zurita, 2014
Taophila (Lapita) gaea Gómez-Zurita, 2014

New combinations

Rhyparida foaensis (Jolivet, Verma & Mille, 2007) from *Dematochroma* Baly, 1860 [Gómez-Zurita, 2011]
Calligrapha (Zygospila) Achard from *Zygothymus (Zygospila)* [Montelongo & Gómez-Zurita, 2014]

Status upgrade

Calligrapha suturella Schaeffer, 1933 from *Calligrapha multipunctata* var. *suturella* Schaeffer, 1933 [Gómez-Zurita et al., 2004]

Status downgrade

Calligrapha geographica subsp. famularis Stål, 1860 from *Calligrapha famularis* Stål, 1860 [Gómez-Zurita, 2015]

Status revived

Dematochroma difficilis (Heller, 1916) from synonymy with *Dematochroma terastiomeres* (Heller, 1916) - Jolivet *et al.* 2007:39 [Gómez-Zurita, 2011]

Replacement names

Rhyparida leana Gómez-Zurita, 2011

Rhyparida reiterata Gómez-Zurita, 2011

Rhyparida wiseana Gómez-Zurita, 2011