

# *Curriculum vitae*

**Xavier BELLÉS**

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1 October 2022  
56 pages

## Personal and professional data

First name and SURNAME: Xavier BELLÉS  
DNI: 38532338R  
Birth date: July 23, 1952  
Sex: Male

### Higher education

Technical Engineer in Chemistry. Industrial University of Barcelona. 1976  
Graduate in biological sciences, University of Barcelona, 1981.  
PhD in biological sciences, University of Barcelona, 1984.

**Specialization (UNESCO code):** 310107

**Research lines:** Entomology, Insect diversity, Insect metamorphosis, Insect evolution, alternative pest control.

### Occupational title and Institutional affiliation

Institution: Consejo Superior de Investigaciones Científicas (CSIC)  
Institute: Institute of Evolutionary Biology (CSIC-Universitat Pompeu Fabra)  
Postal address: Passeig Marítim de la Barceloneta 37  
Telephone: +34 93 230 96 36  
Fax: +34 93 221 10 11  
e-mail address: [xavier.belles@ibe.upf-csic.es](mailto:xavier.belles@ibe.upf-csic.es)

**Professional category:** Research Professor  
Start date: January 1990  
Administrative situation: Permanent position  
Dedication: Full time

### Previous professional activities

Position: Laboratory assistant  
Institution: Industrias Titán, S.A. (Barcelona)  
Dates: 1968-1970.

Position: Research Assistant  
Institution: CSIC  
Dates: 1973-1985.

Position: Scientific collaborator  
Institution: CSIC  
Dates: 1986.

Position: Scientific researcher  
Institution: CSIC  
Dates: 1987-1989.

Position: Research Professor  
Institution: CSIC  
Dates: 1990 to date.

## PROJECTS GRANTED IN COMPETITIVE CALLS

1. PROJECT TITLE: "Biorational methods for insect-pest control"  
FINANCED BY: Advisory Commission for Scientific and Technical Research (Ministry of Science, Spain)  
YEARS: 1985-1987  
PI: Francisco Camps Diez (Xavier Bellés, member of the team).
2. TITLE OF THE PROJECT: "Biorational methods for insect-pest control"  
FINANCED BY: Extension of the previous one subsidized by CSIC  
YEARS: 1988-1989  
PI: Francisco Camps Diez (Xavier Bellés, member of the team).
3. PROJECT TITLE: "Iberian Fauna"  
FINANCED BY: Interministerial Commission for Scientific and Technical Research-CSIC (Ministry of Science, Spain)  
YEARS: 1988-1989  
PI: Maria Angeles Ramos (Xavier Bellés, member of the team).
4. PROJECT TITLE: "Structure and function of the corpora cardiaca of *Blattella germanica* (Dictyoptera) in relation to the release of allatotropic hormones. I"  
FINANCED BY: Spanish-French Integrated Action. General Directorate of Scientific and Technical Research of the Ministry of Science (Spain)  
YEARS: January 1989 - December 1989  
PI: for the Spanish side, Xavier Bellés
5. PROJECT TITLE: "Structure and function of *Blattella germanica* corpora cardiaca in relation to the release of allatotropic hormones. II"  
FINANCED BY: Spanish-French Integrated Action. General Directorate of Scientific and Technical Research of the Ministry of Science (Spain)  
YEARS: January 1990-December 1990  
PI: for the Spanish side, Xavier Bellés.
6. TITLE OF THE PROJECT: "Potential insecticide of hormonal disruptors on *Spodoptera littoralis* and *Blattella germanica*"  
FINANCED BY: La Caixa (Spain)  
YEARS: 1990-1991  
PI: Xavier Bellés.
7. PROJECT TITLE: "Studies on the biology of cockroach reproduction (*Blattella germanica* and *Blatta orientalis*)."  
FINANCED BY: General Directorate of Scientific and Technical Research (Ministry of Science, Spain)  
YEARS: 1990-1993  
PI: Xavier Bellés.
8. PROJECT TITLE: Studies on the biology of cockroach reproduction. Evolution towards viviparity  
FINANCED BY: General Directorate of Scientific and Technical Research (Ministry of Science, Spain)  
YEARS: 1993-1996  
PI: Xavier Bellés
9. PROJECT TITLE: Secretion of steroidal hormones by insect endocrine glands

FINANCED BY: Integrated Hispano-German action. General Directorate of Scientific and Technical Research (Ministry of Science, Spain)  
YEARS FROM: January 1994 TO: December 1994  
PI: for the Spanish side, Xavier Bellés

10. PROJECT TITLE: Cooperation Project between Spain and France "Regulation of the biosynthesis of juvenile hormone in insects"  
FINANCED BY: Ministry of Education and Science (General Directorate of Scientific and Technical Research, Ministry of Science) Spain.  
YEARS: January 1995-December 1995  
PI: Maria Dolores Piulachs Bagà (Xavier Bellés, member of the team).

11. PROJECT TITLE: Studies on the biology of cockroach reproduction. Evolution towards viviparity  
TOTAL FUNDING: 59,036 euro  
FINANCED BY: DGICYT (PGC Program) (Ministry of Science, Spain). Ref: PB92-0026  
YEARS: 1993-1996  
PI: Xavier Bellés

12 PROJECT TITLE: Regulation of juvenile hormone biosynthesis in insects  
FINANCED BY: Cooperation project between Spain and France (Ministry of Education and Science (DGICYT), ref 195B).  
TOTAL FUNDING: 1,320 euro  
YEARS: 1995-1996  
PI: for Spanish side, María Dolores Piulachs Bagà (Xavier Bellés, member of the team).

13. PROJECT TITLE: Ajuts de suport a la recerca de Catalunya (SGR)  
FINANCED BY: Generalitat de Catalunya, Direcció General de Recerca (ref 1995SGR 00059) (Catalan government)  
TOTAL FUNDING: 7,201 euro  
YEARS: 1995-1996  
PI: Xavier Bellés

14. PROJECT TITLE: Studies on the reproduction of the domestic cockroach *Blattella germanica*  
FINANCED BY: Institute of Catalan Studies (Ref. IEC-1994-1998)  
TOTAL FUNDING: 7.229 euro  
YEARS: 1994-1998  
PI: Xavier Bellés

15. PROJECT TITLE: Peptidomimetics of allatostatins  
FINANCED BY: CSIC special action (Ref CSIC AE 4-3-1996)  
TOTAL FUNDING: 3,614 euro  
YEARS: 1996  
PI: Xavier Bellés

16. TITLE OF THE PROJECT: Olfaction, feeding and reproduction in the cockroach *Blattella germanica*  
FINANCED BY: DGICYT (PGC Program) (Ministry of Science, Spain). (Ref. PB95-0062)  
TOTAL FUNDING: 69,277 euro  
YEARS: 1996-1999  
PI: Xavier Bellés

17. PROJECT TITLE: Ajuts de suport a la recerca de Catalunya (SGR)  
FINANCED BY: Generalitat de Catalunya, Direcció General de Recerca. Catalan Government (ref. 1997SGR 00173)

TOTAL FUNDING: 9,301 euro  
DURATION: 1997-1998  
PI: Xavier Bellés

18. PROJECT TITLE: Evolution of reproductive strategies in cockroaches  
FINANCED BY: Cooperation project between Spain and France (Ministry of Education and Culture, reference HF97 0075)  
TOTAL FUNDING: 1,680 euro  
DURATION: 1998-1999  
PI: Xavier Bellés

19. PROJECT TITLE: Ajuts de suport a la recerca de Catalunya (SGR)  
FINANCED BY: Generalitat de Catalunya, Direcció General de Recerca (Catalan Government) (ref. 1999SGR 00186)  
TOTAL FUNDING: 13,802 euro  
DURATION: 1999-2000  
PI: Xavier Bellés

20. PROJECT TITLE: Development of insect deterrents for pest control  
TOTAL FUNDING: 67,698 euro  
FINANCED BY: MCT-FEDER (Agricultural R + D Program) (Ministry of Science, Spain). (Ref. 2FD97-0787)  
DURATION: 1999-2001  
PI: Maria Dolores Piulachs Bagá (Xavier Bellés, member of the team).

21. PROJECT TITLE: Feeding rhythms and reproductive cycles in insects  
TOTAL FUNDING: 45,180 euro  
FINANCED BY: MCT (PGC Program). (Ministry of Science, Spain). (Ref. PB 98-0472)  
DURATION: 1999-2001  
PI: Xavier Bellés

22. PROJECT TITLE: Ajuts de suport a la recerca de Catalunya (SGR).  
FINANCED BY: Generalitat de Catalunya, General Direction of Research. Catalan Government (ref CSIC / Bellés / 345)  
TOTAL FUNDING: 27,004 euro  
DURATION: 2001-2002  
PI: Xavier Bellés

23. PROJECT TITLE: Allatostatins: insecticides based on feeding inhibition  
FINANCED BY: Project to stimulate the transfer of research results (PETRI) (Ministry of Science, Spain).  
TOTAL FUNDING: 34,385 euro  
DURATION: 2002  
PI: Xavier Bellés

24. PROJECT TITLE: Stimulators and inhibitors of insect ingestion (EIII). Prototypes of new insecticides for the integrated pest control.  
FINANCED BY: MCyT (Ministry of Science, Spain).  
TOTAL FUNDING: 115,000 euros  
DURATION: 2003-2005  
PI: Xavier Bellés

25. PROJECT TITLE: Regulation of ovarian maturation in insects.  
FINANCED BY: MCyT (Ministry of Science, Spain)  
TOTAL FUNDING: 48,300 euros

DURATION: 2003-2005

PI: Maria Dolores Piulachs Bagá (Xavier Bellés, member of the team).

26. PROJECT TITLE: Insecticides based on recombinant baculovirus. Expression of insect feeding inhibitors in *Spodoptera*.

FINANCED BY: MEC (Ministry of Science, Spain) (REF: AGL2005-00773)

TOTAL FUNDING: 148,750 euros

DURATION: 2006-2008

PI: Xavier Bellés

27. PROJECT TITLE: Global change and physiological diversity

FINANCED BY: International Laboratory of Global Change (LINC Global), CSIC and Pontificia Universidad Católica de Chile.

TOTAL FUNDING: Decided annually based on contract program.

DURATION: 008-2015

Co-PIs: Xavier Bellés (Spain) and Francisco Bozinovic (Chili).

28. PROJECT TITLE: Silencing the silencers. Mechanistic bases of the regulation of metamorphosis of insects

FINANCED BY: MEC (Ministry of Science, Spain) (REF CGL2008-03517 / BOS)

TOTAL FUNDING: 236,192.00 euros

DURATION: 2009-2013 (CONSOLIDER MODALITY)

PI: Xavier Bellés

29. PROJECT TITLE: Elimination of bacteroids with RNAi and implications for the study of symbiosis

FINANCED BY: MICINN (Ministry of Science, Spain). CGL2010-09266-E (BOS subprogram)

TOTAL FUNDING: 40,000.00 euros

DURATION: 2010-2011 (EXPLORA MODALITY)

PI: Xavier Bellés

30. PROJECT TITLE: Insect pest control with RNAi.

FINANCED BY: CSIC. 2010TW0019 (Formosa program)

TOTAL FUNDING: 93,526.00 euros

DURATION: 2010-2011

PI: Xavier Bellés

31. TITLE OF THE PROJECT: The regulation of the morphogenesis of the tergal gland of cockroaches, as a minimum model of insect metamorphosis

FINANCED BY: MINECO (Ministry of Science, Spain). CGL2012-36251

TOTAL FUNDING: 198,900.00 euros

DURATION: 2013-2015

PI: Xavier Bellés

32. PROJECT TITLE: Functional Genomics and Evolution (Ajuts de suport a la recerca de Catalunya, SGR)

FINANCED BY: Generalitat de Catalunya, General Direction of Research, AGAUR. Catalan Government (ref. 2014-SGR 619)

TOTAL FUNDING: 55,000 euros

DURATION: 2014-2016

PI: Xavier Bellés

33. PROJECT TITLE: Key transitions in the embryogenesis of a hemimetabolan insect. Juvenile Hormone, transcription factors and microRNAs.

FINANCED BY: MINECO (Ministry of Science, Spain). CGL2015-64727-P

TOTAL FUNDING: 227.601euros  
DURATION: 1/1/2016 - 12/31/2019  
PI: Xavier Bellés

34. PROJECT TITLE: Modifying plants to produce interfering RNA  
FINANCED BY: EU, COST Action 2015  
TOTAL FUNDING: 520,000 euros  
DURATION: Approved 2015. Will run 1/1/2016 - 12/31/2019  
PIs: 48 PIs from 24 COST countries (Bruno Mezzetti: General Coordinator; Xavier Belles: Delegate for the Management Committee).

35. PROJECT TITLE: FY2017 JSPS Invitational Fellowship for Research in Japan  
FINANCED BY: Japan Society for the Promotion of Science (JSPS)  
TOTAL FUNDING: 378.000 yen  
DURATION: 3 months in 2018  
PI: Xavier Bellés

36. PROJECT TITLE: JSPS Bilateral Joint Research Project  
FINANCED BY: Japan Society for the Promotion of Science (JSPS)  
TOTAL FUNDING: Funded only by the Japanese side.  
DURATION: 2017-2018  
PI: Takaaki Daimon (Japan), Xavier Bellés (Spain)

37. PROJECT TITLE: The third insulin receptor of cockroaches.  
FINANCED BY: Ministry of Science and Innovation, Spain). PID2019-104483GB-I00  
TOTAL FUNDING: 182,710 euros  
DURATION: 01/06/2020 - 31/05/2023  
PIs: Jose Luis Maestro and Xavier Bellés

## PUBLICATIONS

The publications in SCI journals are indicated in bold.

1. Bellés, X. 1972. Coexistencia coleopterológica de la Cueva Janet de Llavería. Tarragona. *Geo y Bio Karst* 32: 27.
2. Bellés, X. 1972. Los coleópteros cavernícolas de la Cueva Cullalvera. *Información Espeleológica de la S.E.C.E.S. Instituto Provincial de Paleontología, Sabadell*, 3: 10-14.
3. Bellés, X. 1973. Localizaciones nuevas o poco conocidas sobre Bathysciinae catalanes. *Ildobates* 3-4: 61-54.
4. Bellés, X. 1973. Un nuevo Bathysciinae del Macizo de Garraf. *Miscelánea Zoológica* 3 (2): 45-49.
5. Bellés, X. 1973. Los Caraboidea cavernícolas de Cataluña (Coleoptera). *Speleon* 20: 95-102.
6. Bellés, X. 1974. Biospeleología y Paleogeografía. Nuevas consideraciones sobre el poblamiento de la isla de Mallorca por la fauna cavernícola terrestre. *Comunicacions del IV Symposium d'Espeleologia. Biologia*, p. 43-46, Barcelona.
7. Auroux, L., Bellés, X. 1974. Estudio bioespeleológico de la Cueva de Aso. *Comunicacions del IV Symposium d'Espeleologia. Biologia*, p. 83-94, Barcelona.
8. Auroux, L., Bellés, X. 1974. Un nuevo *Speonomus* de la provincia de Huesca (Col Catopidae). *Speleon* 21: 85-90.

9. Bellés, X. 1974. Fauna cavernícola en el macizo de Garraf. En: Catálogo espeleológico del macizo del Garraf (J. Borrás, Ed.), vol. 2, p. 7-16, Barcelona.
10. Bellés, X. 1975. Una nova raça de *Speonomus bolivari* Esc. (Col. Catopidae) dels Pirineus Centrals. Butlletí de la Institució Catalana d'Història Natural (Zoologia) 39: 47-50.
11. Bellés, X. 1976. Ptínidos recogidos en cavidades subterráneas ibéricas (Col. Ptinidae). Speleon 22: 145-147.
12. Bellés, X. 1976. Resultados de una campaña biospeleológica en Mallorca. Coleópteros. Endins 3: 47-55.
13. Escolà, O., Bellés, X., Gracia, C. 1976. Recerca, recollida i conservació dels cavernícoles En: Introducció a la bioespeleologia, 60 pp. Escola Catalana d'Espeleologia, Barcelona.
14. Bellés, X. 1976. Contribución al conocimiento del género *Henrotius*. Bolletí de la Societat d'Història Natural de Balears 21: 131-145.
15. Bellés, X. 1977. Notas sobre *Speocharis minos* Jeannel, 1909 y otros catópidos recogidos en cuevas de la provincia de Burgos (Col. Catopidae). Graellsia 31: 119-124.
16. Bellés, X. 1977. Ptínidos recogidos en cavidades subterráneas ibéricas II. *Ptinus pusillus* Sturm y *Ptinus bicinctus* Sturm, especies nuevas para España (Col. Ptinidae). Arxiu del Centre Excursionista de Terrassa, S.I.S. 5: 377-382.
17. Bellés, X., Escolà, O. 1977. Nuevos datos sobre los *Speonomus* del grupo *delarouzei* (Fairmaire, 1860): *Parvospeonomus* subgen. nov. (Col. Bathysciinae). Speleon 23: 33-37.
18. Bellés, X. 1977. Sobre la posición sistemática de *Speonomus (Speonomites) colominasi* Zariquiey, 1924, y el subgénero *Speonomites* Jeannel, 1910 (Col. Catopidae, Bathysciinae). Comunicacions del VI Symposium d'Espeleologia. Biologia, p. 105-108, Terrassa.
19. Escolà, O., Bellés, X. 1977. Sobre el gènere *Niphadobata* Enderlein a la Península Ibérica (Dipt. Tipulidae). Comunicacions del VI Symposium d'Espeleologia. Biologia, p. 65-68. Terrassa.
20. Bellés X. 1978. Notes biospeleològiques (Alt Urgell). En: Catàleg Espeleològic de Catalunya (J. Borràs, J.M. Miñarro i F. Talavera), vol. 1, p. 23-33, Políglota, Barcelona.
21. Bellés X. 1978. Notes biospeleològiques (La Cerdanya). En: Catàleg Espeleològic de Catalunya (J. Borràs, J.M. Miñarro i F. Talavera), vol. 1, p. 114-120, Políglota, Barcelona.
22. Bellés, X. 1978. Los *Trogloorhynchus* hipogeos de la Península Ibérica (Col. Curculionidae). Miscelánea Zoológica 4 (2): 137-145.
23. Bellés, X. 1978. Ensayo sobre los representantes catalanes de la familia Ptinidae (Col.). Misc. Zool., 4 (2): 87-123.
24. Bellés, X. 1978. Notas ecológicas sobre la Cova de la Torre (Sant Feliu de Pallarols). Influencia de los niveles de materia orgánica sobre la diversidad de la fauna terrestre. Speleon. 24: 77-91.
25. Bellés, X., Comas, J., Escolà, O. y Español, F. 1978. Los Bathysciinae ibéricos. Propuesta de ordenación taxonómica. Speleon, 24: 59-69.
26. Bellés, X. 1978. Notes biospeleològiques (Baix Penedès, Tarragonès, Alt Camp i Conca de Barberà). En Catàleg Espeleològic de Catalunya (J. Borràs, J.M. Miñarro i F. Talavera), vol. 2, p. 10-23, Políglota ed., Barcelona.
27. Bellés, X. 1978. Notes biospeleològiques sobre la Cova Graners. Vèrtex, 66: 191.
28. Bellés, X. 1978. Coleopterofauna de la Cova Janet (Llaberia, Tarragona). Bol. S.I.E.P., 10: 28-41, 1978.
29. Bellés, X. 1978. Notes biospeleològiques (El Pallars Jussà). En: Catàleg Espeleològic de Catalunya (J. Borràs, J.M. Miñarro i F. Talavera), vol. 3, p. 10-23, Políglota ed., Barcelona.



30. Bellés, X. 1979. Notes biospeleològiques (El Ripollès, La Garrotxa, L'Alt Empordà). En: Catàleg Espeleològic de Catalunya (J. Borràs, J.M. Miñarro i F. Talavera), vol.4, p. 10-23, Políglota ed., Barcelona.
31. Bellés, X. y Escolà O. 1979. Addicions al catàleg de Bathysciinae (Col. Catopidae) ibèrics d'ençà la classificació de Laneyrie (1967). *Espeleòleg*, 28: 569-572.
32. Bellés, X. 1979. Fauna cavernícola de la Cueva Cullalvera. Ramales, Santander. Com. III Congr. Nac. Espeleol., vol. 2, 9 pp., Madrid.
33. Bellés, X. Perspectivas de control de la carcinoma del tabaco, *Lasioderma serricorne* (F.) (Col. Anobiidae), con bioanálogos de la hormona juvenil. *Bol. Serv. Plagas*, 5 (2): 157-163, 1979.
34. Bellés, X. El género *Piotes* (Col. Ptinidae). *Eos*, 55-56: 11-16, 1980.
35. Mateu, J. y Bellés, X. 1980. Nuevos Trechidae del Perú: El género *Andinorites* nov. *Eos*, 55-56: 131-142.
36. Bellés, X. y Comas, J. Una campanya entomològica a Tunisia (1980). *Bol. S.I.E.P.*, 12: 35-42, 1980.
37. Bellés, X., Camps, F., Coll, J., Messeguer, A., Seba, M.E. y Roca, A. Biomiméticos de la hormona juvenil de insectos. Síntesis y actividad biológica. *Proc. III Congr. Nac. Química (EFCE Publ. Ser. 12)*, vol. 1, p. 467-472, Sevilla, 1980.
38. Cuevas, P., Enríquez, L., Montoya, R., Bellés, X., Camps, F., Coll, J., Guerrero, A., Riba, M., Lalanne-Cassou, B. y Gallois, M. Contribución al conocimiento de la feromona sexual de la Procesionaria del Pino. *Proc. III Congr. Nac. Química (EFCE Publ. Ser. 12)*, vol. 1, p. 473-476, Sevilla, 1980.
39. Bellés, X. Une nouvelle espèce de Gibbiinae (Coleoptera: Ptinidae) *Gibbium einsteini* n.sp., de Chine. *Bull. Acad. Polon. Sciences Cl.*, 2, 27 (10): 845-849, 1980.
40. Español, F. y Bellés, X. Revisión del género *Speocharidius* Jeannel, 1919 (Col. Catopidae Bathysciinae). *Speleon*, 25: 31-35, 1980.
41. Bellés, X. Apunts sobre biocenologia cavernícola terrestre. *Cingles*, 41: 784-786, 1980.
42. Español, F. y Bellés, X. Coleoptera Catopidae Bathysciinae. En: Contribución al conocimiento de la fauna cavernícola del País Vasco. *Kobie*, 10: 557-561, 1980.
43. Bellés, X. *Mezium giganteum* Escalera, 1914 (Col. Ptinidae), en la Península Ibérica. *Bol. Asoc. Esp. Entomol.*, 4: 125-126, 1980.
44. Bellés, X. y Martínez, A. La geología y la especiación de los Bathysciinae en la región del Penedès (Catalunya, España). *Mem. Biospeol.*, 7: 221-223, 1980.
45. Español, F. y Bellés, X. *Armidia unicolor* Duft. (Col. Cantharidae), un curioso elemento de nuestra coleopterofauna cavernícola. *Munibe*, 32 (3-4): 281-282, 1980.
46. Bellés, X. *Ptinus (Pseudoptinus) lichenum* Marsham, ptínido perforador de madera (Col. Ptinidae). *Bol. Est. Central Ecol.*, 9 (18): 89-91, 1980.
47. Bellés, X. *Lapidoniptus* nov. gen. pour *Piarus hispanicus* Pic, 1953 (Col. Ptinidae). *Spixiana*, 4 (1): 69-72, 1981.
48. Bellés, X. Notes biospeleològiques (L'Urgell, El Solsonès, La Segarra i El Berguedà). En *Catàleg Espeleològic de Catalunya* (J. Borràs, J.M. Miñarro i F. Talavera), vol. 5, p. 10-17, Políglota ed., Barcelona, 1981.
49. Bellés, X. y Ventura, J. Effects of several juvenoids against pupae of *Conomorium patulum* (Walker) (Hymenoptera, Pteromalidae). En *Regulation of Insect Development and Behaviour*, vol. 2, p. 835-840, Technical University of Wroclaw, 1981.
50. Español, F. y Bellés, X. Los Dryophilinae hispano-marroquíes (Coleoptera, Anobiidae). *Fragm. Entomol. Roma*, 16 (1): 61-72, 1981.
51. Bellés, X. y Deliot, Ph. Dades zoogeogràfiques sobre *Geotrechus seijasi* Español, 1969 (Col. Trechidae). *Exploracions*, 5: 17-20, 1981.
52. Mateu, J. y Bellés, X. Espècies inèdites de *Trechisibus* Motschulky recoltées au Perou. *Nouv. Rev. Ent.*, 9 (1): 39-45, 1981.
53. Bellés, X. y Messeguer, A. Sterilizing effects of 6,7-dimethoxy-2,2-dimethyl-chromene (Precocene 2) and 6,7-dimethoxy-2,2-dimethylchroman on *Blattella germanica* (L.). En *Juvenile Hormone Biochemistry* (G.E. Pratt and G.T. Brooks, eds.), p. 421-424, Elsevier-North Holland Biomedical Press, 1981.

54. **Bellés, X. Optimization of Insect Juvenile Hormone Bioassays on *Tribolium confusum* (DuV) (Coleoptera: Tenebrionidae) by application of Central Composite Rotatable Designs. *J. Stored Prod. Res.*, 18: 21-25, 1982.**
55. Cuevas, P., Montoya, R., Bellés, X., Camps, F., Coll, J., Guerrero, A. y Riba, M. Application of the (Z)-13-hexadecen-11-ynyl acetate as a potential control agent of the processionary moth *Thaumetopoea pityocampa* (Denis and Schiff). En *Les médiateurs chimiques*, p. 305-313. (Les Colloques de l'INRA, 7), INRA, ed. 1982.
56. Bellés, X. El género *Piarus* Wollaston, 1862 (Col. Ptinidae). *Anais Fac. Cienc.*, Porto 62 (1-4): 179-188, 1982.
57. Bellés, X. y Ventura, J. Actividad repelente de 4 biomiméticos de la hormona juvenil de insectos, frente a adultos de *Tribolium confusum* J. Duval (Col. Tenebrionidae). *An. I.N.I.A. Ser. Agrícola* 18: 111-115, 1982.
58. Bellés, X. El primer representante de la familia Ptinidae (Col.) de las Islas Salvajes: *Sphaericus bicolor* n.sp. *Viaeraea*, 11 (1-2): 103-108, 1982.
59. Bellés, X. Idees sobre la classificació supragenèrica dels Ptinids (Coleoptera). II Sessió Conjunta d'Entomologia, Inst. Cat. Hist. Nat. Soc. Cat. Lapidopterol., p. 61-65, Barcelona, 1982.
60. Bellés, X. Datos para una revisión de la tribu Sphaericini. Los géneros *Nitpus* J. du Val y *Wollastonella* Lucas (Col. Ptinidae). *Eos*, 58; 23-28, 1982.
61. Español, F. y Bellés, X. Noticia de la presencia de *Aesalus scarabaeoides* (Panzer) (Col. Lucanidae) en España y actualización de la Key de Lucánidos ibéricos. *Bol. Est. Central Ecol.*, 11 (22): 71-75, 1982.
62. Bellés, X. Notes biospeleològiques (El Baix Empordà, El Gironès, La Selva, L'Osona, El Vallès Oriental i el Maresme). En *Catàleg Espeleològic de Catalunya* (J. Borràs, J.M. Miñarro i F. Talavera), vol. 6, p. 10-19, Políglota ed., Barcelona, 1983.
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#### CONTRACTS RESEARCH + DEVELOPMENT

1. PROJECT TITLE: *Blattella germanica* attractants and their use as insecticides  
 FINANCIAL COMPANY: Contract with Industrias Marca, SA (Barcelona, Spain)  
 YEARS: 1995-1996  
 PI: Xavier Bellés  
 AMOUNT FINANCED: 6,867 euro
2. PROJECT TITLE: Biological study of repellent 3535 on the domestic cockroach *Blattella germanica*  
 FINANCIAL COMPANY: Contract with Benkiser España, S.A. (Ref. Benkiser-96) (Barcelona, Spain)  
 YEARS: 1996-1997  
 PI: Xavier Bellés  
 AMOUNT FINANCED: 1,843 euro
3. PROJECT TITLE: Investigations on the effectiveness of toxic baits on *Blattella germanica*  
 FINANCIAL COMPANY: Contract with Industrias Marca, S.A. (Ref. Mark 1-1-97) (Barcelona, Spain)  
 YEARS: 1997-1998  
 PI: Xavier Bellés  
 AMOUNT FINANCED: 1,927 euro
4. PROJECT TITLE: Investigations on the activity of two Bayer compounds in comparison with a standard on HMG-CoA reductase and on vitellogenesis in cockroaches  
 FINANCIAL COMPANY: Contract with Bayer, AG. (Leverkusen, Germany) (Ref. Bayer 1-1-97)  
 YEARS: 1997-1998

PI: Xavier Bellés  
AMOUNT FINANCED: 8,554 euro

## PATENTS

1. INVENTORS: X. Bellés, F. Camps, J. Coll and M.E. Seba  
TITLE: "Procedure for the preparation by synthesis of derivatives of 7- (4-alkylcyclohexyl) -3-methyl-2,4-octadienoic acids, with biomimetic activity of juvenile hormones".  
REGISTRATION NO. 475499.  
COUNTRY: Spain.  
YEAR: 1986  
COUNTRIES TO WHICH IT HAS BEEN EXTENDED: Europe  
COMPANY THAT EXPLOITED IT:

2. INVENTORS: X. Bellés, F. Camps, J. Casas, A. Messeguer, M.D. Piulachs and F.J. Sánchez.  
TITLE: "Procedure for the preparation by synthesis of fluorinated analogs of esters of farnesoic and homophanese acid and the possible application of said compounds to the control of insect pests, as growth regulators".  
REGISTRATION NO: 8700836.  
COUNTRY: Spain.  
YEAR: 1987  
COUNTRIES TO WHICH IT HAS BEEN EXTENDED: Europe  
COMPANY THAT EXPLOITED IT:

3. INVENTORS: M.L. Gilisbars, P. Martínez, X. Bellés, N. Pascual.  
TITLE: "Composition for cockroach repellent".  
REGISTRATION NO: 2000 02332.  
COUNTRY: Spain.  
YEAR 2000  
COUNTRIES TO WHICH IT HAS BEEN EXTENDED: Europe  
COMPANY THAT EXPLOITED IT: Marca, S.A. (Barcelona).

## STAYS IN FOREIGN INSTITUTIONS (not updated)

INSTITUTION: Institute of Ecology.  
PLACE: Mexico, D.F., COUNTRY: Mexico. YEAR: 1981 DURATION 3 months.  
PROJECT: Endocrine studies on Scarabaeidae beetles. CONCEPT: Guest Researcher

INSTITUTION: Institute of Ecology.  
PLACE: Mexico, D.F., COUNTRY: Mexico. YEAR: 1983 DURATION 1 month.  
PROJECT: : Endocrine studies on Scarabaeidae beetles. CONCEPT: Guest Researcher

INSTITUTION: Laboratoire d'Evolution du CNRS.  
PLACE: Paris COUNTRY: France YEAR: 1984. DURATION: 1 month.

PROJECT: Quantification of juvenile hormone in *Blattella germanica*. CONCEPT: Integrated Action.

INSTITUTION: Laboratoire d'Evolution du CNRS.

PLACE: Paris COUNTRY: France YEAR: 1985 DURATION: 1 month.

PROJECT: Quantification of juvenile hormone in *Blattella germanica*. CONCEPT: Integrated Action.

INSTITUTION: Laboratoire de Neuroendocrinologie, Univ. Bordeaux,

PLACE: Bordeaux COUNTRY: France YEAR: 1987 DURATION: 1 month.

PROJECT: *Blattella germanica* cerebral ganglion immunohistology. CONCEPT: Integrated Action.

INSTITUTION: Laboratoire d'Evolution du CNRS.

PLACE: Paris COUNTRY: France YEAR: 1988. DURATION: 1 month.

PROJECT: Ultrastructure of the corpora allata in *Blattella germanica*. CONCEPT: Integrated Action.

Since 1990, stays short (between one and 4 weeks) and regular (at least once a year), in foreign institutions, to strengthen collaborations or to learn new techniques and methodologies, or to participate in work meetings.

## **PARTICIPATION IN CONGRESSES AND SCIENTIFIC MEETINGS**

International meetings are indicated in bold. Special participation (like organizer or invited speaker) are underlined.

1. X. Bellés. "Los coleópteros cavernícolas de la Cueva Cullalvera". II Congreso Nacional de Espeleología. Oviedo (Asturias). Octubre, 1972
2. X. Bellés, J. Mor, A. Montserrat. "Consideraciones en torno a la utilización de colorantes químicos en hidrología subterránea". II Congreso Nacional de Espeleología. Oviedo (Asturias). Octubre, 1972.
3. X. Bellés. "Investigación de minerales calizos por espectroscopía infraroja". III Symposium de Espeleología. Geología. Mataró (Barcelona). Abril, 1973.
4. X. Bellés. "Biospeleología y paleogeografía. Nuevas consideraciones sobre el poblamiento de la isla de Mallorca por la fauna cavernícola terrestre". IV Symposium de Espeleología. Biospeleología. Barcelona. Abril, 1974.
5. X. Bellés, L. Auroux. "Estudio biospeleológico de la Cueva de Aso". IV Symposium de Espeleología. Biospeleología. Barcelona. Abril, 1974.
6. X. Bellés. "Revisión de los *Speonomus* del grupo *delarouzei*". VII Congreso Internacional de Estudios Pinaicos. Seu d'Urgell (Lleida). Septiembre, 1974.
6. X. Bellés. "Fauna cavernícola de la Cueva Cullalvera". III Congreso Nacional de Espeleología. Madrid. Noviembre, 1974.
7. X. Bellés. "Contribución al conocimiento del genero *Henrotius*". Jornadas Internacionales de Biospeleología (Fundación Dragan). Palma de Mallorca. Noviembre, 1975.

8. X. Bellés. "Los *Trogloorhynchus* hipogeos de la Península Ibérica (Col. Curculionidae)". IV Congreso Nacional de Espeleología. Marbella (Málaga). Octubre, 1976.
9. X. Bellés. "Sobre la posición sistemática de *Speonomus* (*Speonomites*) *colominasi* Zariquiey, 1924, y el subgénero *Speonomites* Jeannel, 1910". IV Symposium de Espeleología. Biospeleología. Terrassa (Barcelona). Diciembre, 1977.
10. O. Escolà, X. Bellés. "Sobre el gènere *Niphadobata* (Dipt. Tipulidae) a la Península Ibérica". VI Symposium de Espeleología. Biospeleología. Terrassa (Barcelona). Diciembre, 1977.
- 11. X. Bellés, F. Camps, J. Coll, A. Messeguer. "Morphogenetic activities of some trifluoromethyl analogs of juvenile hormones". Regulation of Insect Reproduction II. Zinkovy (Checoslovaquia). Mayo, 1978.**
12. X. Bellés. "Perspectivas de control de la carcoma del tabaco, *Lasioderma serricorne* (F.), con bioanálogos de la hormona juvenil". II Jornadas de la Asociación Española de Entomología. Murcia. Mayo, 1979.
- 13. X. Bellés, A. Martínez. "La geologie et la speciation des Bathysciinae dans la region du Penedés (Catalogne, Espagne)". International Conference: Evolution of cave and endogenous Coleoptera. Saint-Girons (Francia). Septiembre, 1979.**
14. X. Bellés, F. Camps, J. Coll, A. Messeguer, M.E. Seba, A. Roca. "Biomiméticos de la hormona juvenil de insectos. Síntesis y actividad biológica". III Congreso Nacional de Química. Sevilla. Febrero, 1980.
15. P. Cuevas, L. Enriquez, R. Montoya, X. Bellés, F. Camps, J. Coll, A. Guerrero, M. Riba, B. Lalanne-Cassou, M. Gallois. "Contribución al estudio de la feromona sexual de la Procecionaria del Pino". III Congreso Nacional de Química. Sevilla. Febrero, 1980.
- 16. X. Bellés, J. Ventura. "Effects of several juvenoids against pupae of *Conomorium patulum* (Walker)". International Conference: Regulation of Insect Development and Behaviour. Karpacz (Polonia). Junio, 1980.**
17. C. Gracia, X. Bellés. "Anàlisi markoviana de la dinàmica espàcio-temporal d'una població cavernícola de *Speonomusdelarouzei*". Sessió Científica de la Societat Catalana de Biologia. Biomatemàtica. Barcelona. Diciembre, 1980.
18. X. Bellés. "Idees sobre la classificació supragenèrica dels Ptínids". II Sessió Conjunta d'Entomologia". Institució Catalana d'Història Natural/Societat Catalana de Lepidopterologia. Barcelona. Marzo, 1981.
- 19. X. Bellés, A. Messeguer. "Sterilizing effects of 6,7-dimethoxy-2,2-dimethylchromene (precocene II) 6,7-dimethylchroman on *Blattella germanica* (L.)". International Conference: Juvenile Hormone Biochemistry. Sussex (Reino Unido). Julio, 1981.**
20. P. Cuevas, R. Montoya, X. Bellés, F. Camps, J. Coll, A. Guerrero, M. Riba. "Aplicación del acetato de (Z)-13-Hexadecinilo como agente de control potencial de la Procecionaria del Pino". VII Jornadas de Productos Fitosanitarios. Barcelona. Octubre, 1981.
- 21. P. Cuevas, R. Montoya, X. Bellés, F. Camps, J. Coll. A. Guerrero, M. Riba. "Application of the (Z)-13 hexadecen-11-ynyl-acetate as a potencial control agent of the processionary moth *Thaumetopoea pityocampa*" Symposium International: Les**

**médiateurs chimiques agissant sur le comportement des insectes. Versailles, France, 16-20 novembre 1981.**

22. M.E. Favila, X. Bellés. "Comunicación química en *Canthon cyanellus* Le Conte (Coleoptera, Scarabaeidae)". XVII Congreso de Entomología. Saltillo (México). Marzo, 1982.

**23. X. Bellés, F. Camps, J. Coll, A. Guerrero, M. Riba. "Preparation and JH activity of dialkyl geranyl-farnesyloxyphenyl phosphates". International Conference: Regulation of Insect Reproduction III. Bechyne (Czechoslovakia). June, 1982.**

**24. X. Bellés, M.I. Baldellou. "Effects of Precocenes on *Oxycarenius lavaterae* (Heteroptera, Lygaeidae, Oxycareninae)". International Conference: Regulation of Insect Reproduction III. Bechyne (Czechoslovakia). June 1982.**

**25. X. Bellés, M.E. Favila. "Protection chimique du nid chez *Canthon cyanellus* (Scarabaeinae)". I Congrès International des Entomologistes d'Expression Française. Paris (France). July, 1982.**

**26. F. Camps, M.I. Baldellou, X. Bellés, O. Colomina, J. Coll, A. Messeguer, S. Ricart. "Design of Anti-JH compounds related to Precocenes". V International Congress of Pesticide Chemistry (IUPAC). Kyoto (Japón). August 1982.**

**27 X. Bellés, Ph. Deliot. "Nouveaux Bathysciinae (Coléoptères, Catopidae) des Pyrénées françaises et espagnoles". II Colloque International de Biospeologie. Ecologie et Biogéographie de la faune souterraine. Béziers (Francia). Setembre, 1982.**

**28. X. Bellés, M.E. Favila. "Etude d'un mécanisme de défense chimique chez une espèce subsociale de Coléoptères Scarabaeinae". Colloque International de l'Union Internationales pour l'étude des Insectes Sociaux. Section française. Bellaterra (Barcelona). Septiembre, 1982.**

29. X. Bellés. "Notes sobre l'hàbitat dels Gibbiinae". III Sessió Conjunta d'Entomologia. Institució Catalana d'Història Natural/ Societat Catalana de Lepidopterologia. Barcelona. Marzo, 1983.

30. O. Escolà, X. Bellés. "Distribució geogràfica dels *Speonomus* del subgènere *Parvoespeonomus* (Col. Catopidae Bathysciinae) al vessant meridional dels Pirineus". III Sessió Conjunta d'Entomologia. Institució Catalana d'Història Natural/Societat Catalana de Lepidopterologia. Barcelona. Marzo, 1983.

31. X. Bellés, M.I. Baldellou. "Tiempo de permanencia en la fase de tratamiento con precocenos y adquisición de caracteres adultoides en *Oxycarenius lavaterae*". I Congreso Ibérico de Entomología. Leon. Junio, 1983.

32. X. Bellés, M.D. Piulachs. "Actividad fagorrepelente del acetato de trifenilestaño sobre larvas de *Spodoptera littoralis*". I Congreso Ibérico de Etomología. León. Junio, 1983.

33. M.E. Favila, X. Bellés. "Datos preliminares sobre una pista química en *Canthon cyanellus* Le Conte (Coleoptera, Scarabaeidae)". XIX Congreso de Entomología. Guanajuato (México). Abril, 1984.

**34. M.I. Baldellou, X. Bellés, M.D. Piulachs. "Influence du traitement avec des précocènes sur le comportement sexuel d'*Oxycarenius lavaterae* et de *Blattella germanica*". Colloque International d'Ethologie. Bellaterra (Barcelona). Abril, 1984.**



35. X. Bellés, F. Camps, J. Coll, A. Corte, O. Dargallo, M.D. Piulachs. "Antifeedant activity of clerodane diterpenoids on *Spodoptera littoralis* (Boisd.)". D.P.C. Special Conference I: New Concepts in Pesticide Chemistry. Snowbird (Utah, U.S.A.). June, 1984.
36. X. Bellés, F. Camps, A. Messeguer, M.D. Piulachs. "Sterilizing effects induced by precocenes in *Blattella germanica* (L.)". D.P.C. Special Conference II: New Concepts in Pesticide Chemistry. Snowbird (Utah, USA). Junio, 1984.
37. B. Delay, M. Blas, X. Bellés, O. Escolà, C. Juberthie, L. Juberthie-Jupeau, J. Durand. "Etude du complexe *Speonomus delarouzei*". III Colloque International de Biospeologie. Dijon (Francia). Julio, 1984.
38. M.I. Baldellou, X. Bellés. "Comparative morphogenetic effects induced by precocenes on different immature stages of *Oxycarenus lavaterae* (F.)". XVII International Congress of Entomology. Hamburg, Federal Republic of Germany, August 20-26, 1984.
39. X. Bellés, A. Messeguer, M.D. Piulachs. "Sterilizing effects induced by precocenes on *Blattella germanica* (L.)". XVII International Congress of Entomology. Hamburg, Federal Republic of Germany, August 20-26, 1984.
40. X. Bellés, J. Coll, F. Camps, A. Cortel, O. Dargallo, M.D. Piulachs. "Antifeedant activity of some clerodans diterpenoids on *Spodoptera littoralis* (Boisd.)". XVII International Congress of Entomology. Hamburg, Federal Republic of Germany, August 20-26, 1984.
41. X. Bellés, M. Fabriàs. "Observaciones sobre el ciclo biológico de *Spodoptera littoralis* (Boisd.) (Lepidoptera, Noctuidae) en condiciones de laboratorio". II Congreso Ibérico de Entomología. Lisboa (Portugal). Junio, 1985.
42. X. Bellés, A. Messeguer, M.D. Piulachs. "Efectos antagonistas de la hormona juvenil inducidos por los precocenos sobre hembras de *Blattella germanica* (L.)". II Congreso Ibérico de Entomología. Lisboa (Portugal). Junio, 1985.
43. J. Casas, J.elló, E. Gelpí, F. Camps, M. Baldellou, X. Bellés, A. Messeguer, M.D. Piulachs. "Determinación de Prostaglandina E inmunoreactiva en adultos de *Blattella germanica* (L.) y de *Gryllus bimaculatus* De Geer". II Congreso Ibérico de Entomología. Lisboa (Portugal). Junio, 1985.
44. X. Bellés, F. Camps, J. Casas, A. Messeguer, M.D. Piulachs. "Hormona juvenil de la cucaracha *Blattella germanica*; identificación y estudios de biosíntesis". XII Congreso Nacional de la Sociedad Española de Bioquímica. València. Septiembre, 1985.
45. J. Casas, J. Rosselló, E. Gelpí, F. Camps, M.I. Baldellou, X. Bellés, A. Messeguer, M.D. Piulachs. "Determinación de PGE inmunoreactiva por HPLC-RIA en adultos de la cucaracha *Blattella germanica* y del grillo *Gryllus bimaculatus*". XII Congreso Nacional de la Sociedad Española de Bioquímica. València. Septiembre, 1985.
46. X. Bellés. "Control de plagues d'insectes amb agents hormonals". Primeres jornades sobre tècniques de control de mosquits. Barcelona. Marzo 1986.
47. X. Bellés, J. Comas. "Fauna cavernícola al Montseny. L'avenc de les Pedreres de Gualba". Jornada sobre la recerca naturalista al Montseny. Montseny (Barcelona). Junio, 1986.

48. X. Bellés, B. Delay, L. Juberthie-Jupeau. "*Speonomus canyellesi*, un Bathysciinae (Coleoptera, Catopidae) molt evolucionat endèmic del Montseny". Jornada sobre la recerca naturalista al Montseny. Montseny (Barcelona). Junio, 1986.
49. X. Bellés. "Distribution of the Iberican Bathysciinae (Coleoptera; Catonidae): An explanation". IX International congress of speleology. Barcelona. Agosto, 1986.
50. X. Bellés, C. Gracia. "Aplicación del modelo de cadenas finitas de Markov al estudio de la dinámica de poblaciones cavernícolas". IX International Congress of Speleology. Barcelona Agosto, 1986.
- 51. X. Bellés, J. Casas, A. Messeguer, M.D. Piulachs. "In vitro biosynthesis of JH III by the corpora allata of *Blattella germanica* adult females". IV International Symposium on Juvenile Hormone. Niagara-on-the-Lake (Canada). September, 1986.**
52. B. Benito, X. Bellés. "Dinàmica de la incorporació de proteïna a l'oocit de *Blattella germanica*". Sessió Conjunta d'Entomologia (Inst. Cat. Hist. Nat. Soc. Cat. Lepidopterol.). Barcelona. Marzo, 1987.
53. X. Bellés. "*Gibbium aequinoctiale* Boieldieu (Coleoptera, Ptinidae) a la Península Ibérica". Sessió Conjunta d'Entomologia (Inst. Cat. Hist. Nat.- Soc. Cat. Lepidoperol.). Barcelona. Marzo, 1987.
54. X. Bellés, J. Casas, A. Messeguer, M.D. Piulachs. "Acción inhibidora de los precocenos sobre la producción de hormona juvenil I en los corpora allata de *Blattella germanica* mantenidos in vitro". III Congreso Ibérico de Entomología. Granada. Septiembre, 1987.
- 55. X. Bellés, M. Fabriàs, M.D. Piulachs. "Antifeedant effects of precocenes on *Spodoptera littoralis* (Boisduval) (Lepidoptera, Noctuidae)". International conference on Endocrinological Frontiers in Physiological Insect Ecology. Szklarska Poreba (Polonia). September, 1987.**
- 56. X. Bellés, M.D. Piulachs. "Effects of somatostatin on in vitro juvenile hormone III release in *Blattella germanica*". International conference on Endocrinological Frontiers in Physiological Insect Ecology. Szklarska Poreba (Polonia). September, 1987.**
57. X. Bellés. "Presentación de la subponencia "Fauna" en el contexto de la ponencia "Ciencias de la vida". I Congrés de grups amateurs d'activitats científiques. Barcelona. Octubre, 1987.
- 58. I. Izquierdo, P. Oromí, X. Bellés. "Number of ovarioles and degree of dependance with respect to the underground environment in the Canarian species of the genus *Loboptera*". V Colloque International de Biospéologie. Hamburg (Alemania Fed.). September, 1988.**
- 59. X. Bellés, M.D. Piulachs. "Stimulatory modulation of corpora allata activity in adult females of the cockroach *Blattella germanica*". 14th Conference of European Comparative Endocrinologists. Salzburg (Austria). September, 1988.**
- 60. M.D. Piulachs, X. Bellés. "Enhancement by Cysteamine of juvenile hormone release in a cockroach". XIth International Symposium on Comparative Endocrinology. Málaga. May, 1989.**
- 61. M.P. Marco, N. Pascual, X. Bellés, A. Messeguer, F. Camps. "Antagonistic action on ecdysteroid levels and imaginal moult inhibition induced by azadirachtin on *Tenebrio molitor*". IX Ecdysone Workshop. Paris (Francia). Septiembre, 1989.**

62. X. Bellés. "The genus *Cyphoniptus* nov. (Coleoptera, Ptinidae) from the Tibet upland and its southeastern counterparts". International Congress of Coleopterology. Barcelona (Spain). September, 1989.
63. X. Cerdà, D. Pastor, X. Bellés. "Efecto de la sustancia real de la abeja (ácido (E)-9-oxo-2-decenoico) sobre la cucaracha *Blattella germanica*". II Jornadas Científicas de la Sociedad Española de Entomología Aplicada". Córdoba. Diciembre, 1989
64. X. Cerdá, M.D. Piulachs, N. Pascual, P. Cassier i X. Bellés. "Ovarian ecdysteroid titres during the gonadotrophic cycle in the cockroach *Blattella germanica*". 15th Conference of European comparative endocrinologists. Leuven (Bèlgica). September, 1990.
65. X. Bellés, P. Cassier, X. Cerdá, N. Pascual, M.D. Piulachs, J. Tomás. "Significación fisiológica de los ecdisteroides ováricos en cucarachas". IV Congreso ibérico de entomología. Sant Feliu de Guixols. Noviembre, 1990.
66. X. Bellés, M.D. Piulachs. "Juvenile hormone and maturation of male accessory reproductive glands of cockroaches". Fifth International Symposium on Juvenile Hormones. La Londe les Maures (Francia). September 1991.
67. J. Martínez, C. Buesa, M.D. Piulachs, G. Asíns, X. Bellés, F.G. Hegardt. "Studies on HMG-CoA reductase in the cockroach *Blattella germanica*. Isolation of a cDNA clone". Fifth International Symposium on Juvenile Hormones. La Londe les Maures (Francia). September 1991.
68. J.L. Maestro, M.D. Danés, M.D. Piulachs, P. Cassier and X. Bellés. "Ultrastructure and activity of corpora allata from *Blattella germanica* (L.) (Dictyoptera, Blattellidae) ovariectomized females". 16th Conference of European Comparative Endocrinologists. Padova (Italia). September 1992.
69. N. Pascual and X. Bellés. "Effects of azadirachtin, 25-fluoroponasterone A and RH 5849 on reproduction in the cockroach *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". 16th Conference of European Comparative Endocrinologists. Padova (Italia). September 1992.
70. J.L. Maestro, N. Pascual, M.D. Piulachs, I. Romañá, X. Bellés, "Influència de l'ovari en l'homeostasi hormonal de *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". 3es Jornades sobre Biologia de la reproducció (Societat Catalana de Biologia) Barcelona, Abril 1993.
71. D. Martín, X. Bellés, M.D. Piulachs. "Evolució de la vitellogenina circulant en femelles ovariectomitzades de *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". 3es Jornades sobre biologia de la reproducció (Societat Catalana de Biologia) Barcelona, Abril 1993.
72. X. Bellés, N. Pascual, M.D. Piulachs. "Regulació hormonal de la reproducció en insectes: d'Eros a Thánatos". Jornada sobre el control integrat de Plagues: Actuacions de R&D a Catalunya (Museu de la Ciència), Barcelona, Mayo 1993.
73. X. Bellés, J.L. Maestro, N. Pascual, M.D. Piulachs, I. Romañá. "Endocrine disorders in ovariectomized cockroaches". XII International Congress of Comparative Endocrinology. Toronto (Canada), May 1993.
74. C. Buesa, J. Martínez, M.D. Piulachs, X. Bellés, F.G. Hegardt. "Molecular cloning of 3-hydroxy-3-methylglutaryl CoA synthase in the cockroach *Blattella germanica*". First International Symposium on Molecular Insect Science. Arizona (USA), July 1993

75. C. Buesa, J. Martínez, N. Casals, M.D. Piulachs, X. Bellés, F.G. Hegardt. "Aislamiento y caracterización del cDNA y del gen de la HMG-CoA sintasa de la cucaracha *Blattella germanica*". XVIII Congreso Nacional de Bioquímica. San Sebastian (España), Septiembre 1993.
76. X. Bellés, J.L. Maestro, M.D. Piulachs, A.H. Johnsen, H. Duve, A. Thorpe. "Identification and activity of four allatostatins from the cockroach *Blattella germanica*". **17th Conference of European Comparative Endocrinologists. Córdoba (España), September, 1994.**
77. D. Martín, X. Bellés, M.D. Piulachs. "Development of an ELISA to measure haemolymphatic vitellogenin and ovarian vitellin titres in the German cockroach". **17th Conference of European Comparative Endocrinologists. Córdoba (España), September, 1994.**
78. Feliubadaló, E., Vilaplana, Ll., Piulachs, M.D., Bellés, X. "Glándulas accesorias, formación del espermatóforo y hormona juvenil en *Blattella germanica* (Dictyoptera, Blattellidae)". XIV Jornadas de la Asociación española de entomología, Cuenca (España), Julio 1995.
79. Ll. Vilaplana, M.D. Piulachs, X. Bellés. "Inhibition of juvenile hormone during the formation of the spermatophore in *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". **Juvenile Hormone VI. Woods Hole (USA), Septiembre 1995.**
80. Bellés, X., Maestro, J.L., Martín, D., Piulachs. "Juvenile hormone does not modulate vitellogenin synthesis, at least in the cockroach *Blattella germanica*". **Juvenile Hormone VI. Woods Hole (USA), Septiembre 1995**
81. N. Pascual, D. Martín, J.L. Maestro, M.D. Piulachs, X. Bellés. "Inhibition of vitellogenin production by ecdysteroids in the cockroach *Blattella germanica*". **XIIth Ecdysone Workshop, Barcelona (España), Julio 1996. President and organizer of the Congress.**
82. L. Vilaplana, M.D. Piulachs, X. Bellés. ELISA-Measured allatostatin levels in brain, gut and haemolymph during the first gonadotropic cycle of *Blattella germanica* (L.) (Dictyoptera, Blattellidae) female". **VIth International Conference on Regulation of Insect Reproduction. České Budejovice (Czech Republic), September, 1996.**
83. D. Martín, M.D. Piulachs, X. Bellés. "Allatostatin inhibits vitellogenin release in a cockroach". **18th Conference of European Comparative Endocrinologists. Rouen (Francia), September, 1996.**
84. M.D. Piulachs, Ll. Vilaplana, J.M. Bartolomé, C. Carreño, D. Martín, R. González-Muñiz, R. Herranz, M.T. García-López, D. Andreu, X. Bellés. Análogos pseudopeptídicos de allostatinas, neurohormonas reguladoras de insectos". **VI Encuentros Peptídicos Ibéricos. San Lorenzo de El Escorial (España), Febrero, 1998.**
85. M.D. Piulachs, D. Martín, D. Comas, X. Bellés. "Regulación de la producción de vitelogenina en la cucaracha *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". **Congreso Constitutivo de la Asociación Ibérica de Endocrinología Comparada. Peñíscola (España), Abril, 1998.**
86. D. Comas, D. Martín, M.D. Piulachs, N. Pascual, X. Bellés. "Efecto de la 20-hidroxiecdysona sobre la producción de vitelogenina en la cucaracha *Blattella germanica* (L.)

(Dictyoptera, Blattellidae)". Congreso Constitutivo de la Asociación Ibérica de Endocrinología Comparada. Peñíscola (España), Abril, 1998.

87. Ll. Vilaplana, J.L. Maestro, M.D. Piulachs, X. Bellés. "Ritmo cardíaco y alostatinas en la cucaracha *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". Congreso Constitutivo de la Asociación Ibérica de Endocrinología Comparada. Peñíscola (España), Abril, 1998.

88. X. Bellés, M.D. Piulachs, J.L. Maestro, D. Martín, Ll. Vilaplana. "Estudios sobre alostatinas en la cucaracha *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". Congreso Constitutivo de la Asociación Ibérica de Endocrinología Comparada. Peñíscola (España), Abril, 1998.

**89. D. Comas, D. Martín, M.D. Piulachs, N. Pascual, X. Bellés. "20-Hydroxyecdysone impairs post-metamorphosis vitellogenin production in *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". XIII Ecdysone Workshop. Jena (Alemania), July 1998.**

**90. Ll. Vilaplana, J.L. Maestro, M.D. Piulachs, X. Bellés. "Regulation of heart beat rate by allatostatins in the cockroach *Blattella germanica* (L.)". 19th Conference of European Comparative Endocrinologists. Nijmegen (Holanda), September 1998.**

**91. X. Bellés, Piulachs M, Castillo M, Debernard S & Couillaud F. "Molecular evolution of farnesyl diphosphate synthase, including the insect sequences of *Drosophila melanogaster* (Diptera, Drosophilidae) and *Agrotis ipsilon* (Lepidoptera, Noctuidae)". VII International Conference on the Juvenile Hormones. Jerusalem (Israel), September 1999.**

**92. Vilaplana L, Piulachs MD & Bellés X. "Allatostatin gene expression in the adult female of *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". VII International Conference on the Juvenile Hormones. Jerusalem (Israel), September 1999.**

**93. Comas D, Piulachs MD & Bellés X "Induction of vitellogenin gene transcription by juvenile hormone in allatectomized females of the cockroach *Blattella germanica* (L.) (Dictyoptera, Blattellidae)". VII International Conference on the Juvenile Hormones. Jerusalem (Israel), September 1999.**

94. Maestro, J.L., Vilaplana, Ll., Piulachs, M.D. & Bellés, X. "Alatostatinas: niveles de péptido y de RNA mensajero en la cucaracha *Blattella germanica*". II Congreso de la Asociación Ibérica de Endocrinología Comparada. Murcia (España), Noviembre 1999.

95. Zapata, R., Piulachs, M.D. & Bellés, X. "Función de la vía del mevalonato en el ovario de *Blattella germanica*". II Congreso de la Asociación Ibérica de Endocrinología Comparada. Murcia (España), Noviembre 1999.

96. Comas, D., Piulachs, M.D., Pascual, N. & Bellés, X. "La hormona juvenil y la ecdisona en la expresión de la vitelogenina en *Blattella germanica* (Dictyoptera, Blattellidae)". II Congreso de la Asociación Ibérica de Endocrinología Comparada. Murcia (España), Noviembre 1999.

**97. Piulachs, M.D., Cunillera, N., Couillaud, F., Ferrer, A. and Bellés, X. "Keys to mitochondrial gates in insects. Farnesyl diphosphate synthase targeted to mitochondria in *Drosophila* and *Agrotis*". XX Conference of European Comparative Endocrinologists, Faro (Portugal), September 2000.**

**98. Bellés, X., Maestro, D., Martín, D., Vilaplana, Ll., Comas, D. and Piulachs, M.D. "Molecular keys in the evolution of viviparity in cockroaches". XX Conference of European Comparative Endocrinologists, Faro (Portugal), September 2000.**

99. Comas, D., Piulachs, M.D. and Bellés, X. “Fast and efficient. Response of the vitellogenin gene of *Blattella germanica* after stimulation of the fat body in vitro with juvenile hormone”. XX Conference of European Comparative Endocrinologists, Faro (Portugal), September 2000.
100. X. Bellés, D. Comas, D. Martín and M. D. Piulachs. “Molecular aspects of juvenile hormone action upon vitellogenin production in insects”. XXI International congress of entomology, Iguassu (Brazil), September, 2000.
101. Maestro, J.L., Aguilar, R., Pascual, N., Valero, M.L., Piulachs, M.D., Andreu, D., Bellés, X. “Sulfakinin isolated from brain extracts inhibits food intake in the cockroach *Blattella germanica* (L.)”. 14<sup>th</sup> International Congress of Comparative Endocrinology, Sorrento (Italia), May 2001.
102. J. Cruz, D. Martín, M.D. Piulachs, X. Bellés. Characterisation of two FTZ-F1 nuclear receptors in the German cockroach, *Blattella germanica* (L.) (Dictyoptera, Blattellidae). XV International Ecdysone Workshop, Creta (Grecia), June-July, 2002.
103. Grandcolas, Ph., Pellens, R., D’Haese, C., Bellés X., Piulachs, M.D., Wheeler, W. “A new case of xylophagy and intestinal flagellates in cockroaches and the evolution of xylophagy and social behaviour in cockroaches”. IUSI Congress, Sapporo (Japan), July-August, 2002.
104. X. Bellés, M.D. Piulachs, J.L. Maestro, D. Martín. Insect vitellogenesis in juvenile hormone-dependent species. 21<sup>st</sup> Conference of European Comparative Endocrinologists, Bonn (Alemania), August, 2002.
105. D. Martin, M.D. Piulachs and X. Belles. Farnesyl dyphosphate synthase of insects targeted to mitochondria. International Symposium on Juvenile Hormone, VIII. Tahoe Lake (USA), June 2004.
106. L. Ciudad, M.D. Piulachs and X. Bellés. Molecular characterization of the lipophorin receptor of *Blattella germanica*. International Symposium on Juvenile Hormone, VIII. Tahoe Lake (USA), June 2004.
108. O. Maestro, D. Martin, J. Cruz and X. Bellés. Molecular characterization and developmental expression of RXR in *Blattella germanica*. International Symposium on Juvenile Hormone, VIII. Tahoe Lake (USA), June 2004.
109. D. Mañé, D. Martin J., Cruz and X. Bellés. Cloning of E75 nuclear receptors in *Blattella germanica* and functional characterization in the fat body of during vitellogenesis. International Symposium on Juvenile Hormone, VIII. Tahoe Lake (USA), June 2004.
110. Guidugli, K.R., Simoes, Z.L.P., Ciudad, L. Piulachs, M.D., Bellés, X. Molecular characterization of *Apis mellifera* vitellogenin receptor. 8<sup>th</sup> IBRA International Conference on Tropical Bees and VI Encontro sobre Abelhas. Riberao Preto, Sao Paulo (Brasil). September, 2004.
111. Guidugli, K.R., Ciudad, L., Piulachs, M.D., Bellés, X, Nacimiento, A.M., Simoes, Z.L.P. Lipophorin receptor of *Apis mellifera*: Molecular characterization and expresión studies. 8<sup>th</sup> IBRA International Conference on Tropical Bees and VI Encontro sobre Abelhas. Riberao Preto, Sao Paulo (Brasil). September, 2004.

112. Guidugli, K., Simões, ZLP, Ciudad, L., Piulachs, M.D., Bellés, X. Expression profiles of vitellogenin protein and its receptor in queenless *Apis mellifera* workers. The Second International Meeting of the Latin American Society of Developmental Biology. Guarujá (Brasil, May, 2005).
113. Ciudad, L., Piulachs, M. D., Bellés, X. The vitellogenin receptor of German cockroach is not exclusive of reproductive stages. Society for Experimental Biology Main Meeting, Barcelona, July 2005.
114. Maestro, O., Martín, D. and Bellés, X. “dsRNA-mediated interference of BgRXR disrupts moulting and reproduction in the German cockroach *Blattella germanica*.” Society for Experimental Biology Main Meeting. Barcelona, July, 2005.
115. Cruz, J., Martín, D. and Bellés, X. “RNA interference-mediated knock-down of the nuclear receptor E75 abolishes steroidogenesis in the hemimetabolous insect *Blattella germanica*”. Society for Experimental Biology Main Meeting. Barcelona, July, 2005.
116. Mane-Padros, D., Cruz, J., Bellés, X. and Martín, D. “To molt or not to molt: use of dsRNA interference to demonstrate a conserved role of HR-3 and FTZ-F1 in insect moulting”. Society for Experimental Biology Main Meeting. Barcelona, July, 2005.
117. Martín, D., Cruz, J., Maestro, O., Mane-Padros, D. and Bellés, X. “The ecdysteroid-triggered genetic cascade in a hemimetabolous insect. Lessons from RNAi approaches”. Society for Experimental Biology Main Meeting. Barcelona, July, 2005.
118. Bellés, X., Cruz, J., Mané-Padrós, D. and Martín, D. “Functions of the ecdysone receptor isoform-A in the hemimetabolous insect *Blattella germanica* revealed by systemic RNAi in vivo”. XVI Ecdysone Workshop. Ghent (Belgium), July, 2006.
119. Mané-Padrós, D., Cruz, J., Bellés, X. and Martín, D. “Functional analysis of the nuclear receptor E75 in the development of the hemimetabolous insect *Blattella germanica*”. XVI Ecdysone Workshop. Ghent (Belgium), July, 2006.
120. Martín, D., Maestro, O., Cruz, J., Pascual, N., Mané-Padrós, D. and Bellés, X. “The heterodimer EcR/RXR is essential for germ band formation in the short-germ band insect *Blattella germanica*”. XVI Ecdysone Workshop. Ghent (Belgium), July, 2006.
121. Piulachs, MD, Pagone, V, Bellés X. RNAi of the early gene *Broad* points to key functions during embryogenesis in a hemimetabolous insect. XVI Ecdysone Workshop. Ghent (Belgium), July, 2006.
122. Ciudad, L., Irlés, P., Piulachs, MD., Bellés, X. Squid i la proliferació cel·lular en l'ovari d'insectes primitius. XV Jornades de Biologia Molecular, Barcelona, Junio 2007.
123. Irlés, P., Castresana, J., Bellés, X y Piulachs. M.D. Identifying juvenile hormone inducible genes in ovaries of *Blattella germanica* (L.) (Dyctioptera, Blattellidae) by subtractive hybridization approaches. XI International Conference on Juvenile Hormones, York, UK, August, 2007. Member of the International Organizing Committee
124. Maestro, O., Nieva, C., Mané-Padrós, D., Maestro, JL., Martín, D. and Bellés, X. Regulatory interplay between JH and 20-hydroxyecdysone in relation with JH production in *Blattella gemanica*. XI International Conference on Juvenile Hormones, York, UK, August, 2007. Member of the International Organizing Committee

125. Nieva, C., Maestro, J.L., Bellés, X., and Martín D. Regulation of JH biosynthesis enzymes by nuclear hormone receptors in *Blattella germanica*. XI International Conference on Juvenile Hormones, York, UK, August, 2007. *Member of the International Organizing Committee.*
126. Bellés, X. RNA interference and juvenile hormone reserarch. XI International Conference on Juvenile Hormones, York, UK, August, 2007. Member of the International Organizing Committee.
127. Maestro, J.L., Cobo, J.A., and Bellés, X. Nutritional signals, juvenile hormone and reproduction, “ Target of rapamycin”(TOR) expresssion and reproduction in the German cockroach. XI International Conference on Juvenile Hormones, York, UK, August, 2007. Member of the International Organizing Committee.
128. Piulachs, M.D., Ciudad, L. Irlés, P., Pagone, V., Bellés, X. Estudio de la oogénesis de cucarachas mediante estrategias de RNAi. VI Congreso de la Asociación Ibérica de Endocrinología Comparada, Cadiz, Septiembre 2007.
129. Mané-Adrós, D., Nieva, C., Maestro, J.L., Vilaplana, L.I., Bellés, X., Martín, D. The nuclear receptor BgFTZ-F1 is essential for the onset of the adult developmental program in the hemimetabolous insect *Blattella germanica*. 17<sup>th</sup> International Ecdysone Workshop, Ulm. Germany, July, 2008. International Program Committee Member.
130. Irlés, P., Castresana, J., Bellés, X., Piulachs, M.-D. Identification of genes envolved in choriogenesis of *Blattella germanica* by sustractive hybridization approaches and correlation with ecdysone patterns. 17<sup>th</sup> International Ecdysone Workshop, Ulm. Germany, July, 2008. International Program Committee Member.
131. Nieva, C., Cruz, J., Mané-Adrós, D., Martín, D., Bellés, X. Dual role of BgFTZ-F1 during nymphal development in the hemimetabolous insect *Blattella germanica*. 17<sup>th</sup> International Ecdysone Workshop, Ulm. Germany, July, 2008. International Program Committee Member.
132. Borràs, F., Bellés, X., Martín, D. Molecular characterization and functional analysis of two isoforms of the Ets transcription factor E74 in the hemimetabolous insect *Blattella germanica*. 17<sup>th</sup> International Ecdysone Workshop, Ulm. Germany, July, 2008. International Program Committee Member.
133. Belles, X. microRNAs, hormones and metamorphosis in the cockroach *Blattella germanica* (L.). XVIII Ecdysone Workshop. Ceské Budejovice, Czech Republic, July, 2010. International Program Committee Member.
134. Rubio, M., Belles, X. Effect of 20-hydroxiecdysone and juvenile hormone III on microRNA levels in the last instar nymph of the cockroach *Blattella germanica* (L.). XVIII Ecdysone Workshop. Ceské Budejovice, Czech Republic, July, 2010. International Program Committee Member.
135. Huanh, J.-H., Lozano, J., Piulachs, M.-D., Belles, X. Silencing Broad-complex in nymphs of the cockroach *Blattella germanica* (L.) by RNAi. XVIII Ecdysone Workshop. Ceské Budejovice, Czech Republic, July, 2010. International Program Committee Member.
136. Borràs, F., Belles, X., Martín, D. Functional analysis of the nuclear receptor seven-up during nymphal and adult development in the hemimetabolous insect *Blattella germanica*



(L.). XVIII Ecdysone Workshop. České Budejovice, Czech Republic, July, 2010.  
International Program Committee Member.

137. Belles, X. The endocrine regulation of insect metamorphosis and the emerging role of microRNAs. XXV Conference of European Comparative Endocrinologists, 31 August - 4 Sept 2010, Pécs, Hungary. Invited Plenary lecture.

138. Huang, J.-H., Belles, X. The Role of *Broad-complex* in Postembryonic Development of the Hemimetabolite *Blattella germanica* (L.) (Dictyoptera, Blattellidae). VI International Symposium on Molecular Insect Science. Amsterdam, The Netherlands, 2-5 October, 2011.

139. Rubio, M., Montañez, R., Belles, X. Regulation of Atrophin Expression in *Blattella germanica* by the Interplay of miR-8 and miR-8\* microRNAs. VI International Symposium on Molecular Insect Science. Amsterdam, The Netherlands, 2-5 October, 2011

140. Belles, X., Lozano, J., Rubio, M., Montañez, R. Regulation of Insect Metamorphosis: Hormones, Transcription Factors, microRNAs and Beyond. VI International Symposium on Molecular Insect Science. Amsterdam, The Netherlands, 2-5 October, 2011. Invited oral speaker.

141. Garbutt, J. S., Belles, X., Reynolds, S. E. Persistence and uptake of double-stranded RNA in insects. VI International Symposium on Molecular Insect Science. Amsterdam, The Netherlands, 2-5 October, 2011.

142. Belles, X. Endocrine regulation of insect metamorphosis. VIII Congreso de la Asociación Ibérica de Endocrinología Comparada. (Madrid, Spain). 5-7 September 2011. Invited Opening Lecture.

143. Belles, X. Regulation of insect metamorphosis. From Maria Sibylla Merian to Alexander Calder. Annual Meeting of the Royal Entomological Society. University of Greenwich, Kent, UK, 9-11 September, 2011. President's Invited Lecture.

144. Patiño-Navarrete, R., Peretó, J., Piulachs, M.D., Bellés, X., Moya, A., Latorre, A. Análisis del transcriptoma de tres tejidos de *Blattella germanica*: Metabolismo compartido entre *B. germanica* y *Blattabacterium* sp. XXXVIII Congreso de la Sociedad Española de Genética. Murcia (España), 21-23 Septiembre 2011.

145. Herraiz, A., de Horna, A., Belles, X., Piulachs M.D. Molecular changes underlying oocyte resorption derived from water stress in the cockroach *Blattella germanica*. Conference “Global Questions on Advanced Biology. An international conference on interdisciplinary frontiers in biology”. Barcelona, Spain, 9-12 July 2012.

146. Rubio, M., Belles, X. The role of the microRNA trio let-7, miR-100 and miR-125 in insect hemimetabolite metamorphosis. Conference “Global Questions on Advanced Biology. An international conference on interdisciplinary frontiers in biology”. Barcelona, Spain, 9-12 July 2012.

147. Lozano, J., Montañez, R., Bellés, X. microRNA regulation of Krüppel homolog 1 by the miR-2 family in the context of German cockroach metamorphosis. Conference “Global Questions on Advanced Biology. An international conference on interdisciplinary frontiers in biology”. Barcelona, Spain, 9-12 July 2012.

148. Bellés, X. Regulation of insect metamorphosis and the role of microRNAs. *Nepenthes* teams up with *Psyche*. X International Congress on Cell Biology, Rio de Janeiro (Brazil), 25-28 July 2012. Invited Plenary lecture.
149. Huang, J.-H., Lozano, J., Belles, X. Broad complex in hemimetabolous metamorphosis. The case of cockroaches. XXIV International Congress of Entomology, Daegu, Korea, 19-25 August 2012. Invited Symposium lecture.
150. Piulachs, M.D. de Horna, A., Herraiz, A., Belles, X. Transcriptomic analysis of oocyte resorption after hydric stress in the German cockroach. XXIV International Congress of Entomology, Daegu, Korea, 19-25 August 2012.
151. Lozano, J., Montañez, R., Bellés, X. Krüppel homolog 1 and metamorphosis in the German cockroach. Expression, post-transcriptional regulation by microRNAs and biological role. XXIV International Congress of Entomology, Daegu, Korea, 19-25 August 2012.
152. Rubio, M., Belles, X. The microRNAs let-7, miR-100 and miR-125 have a key role in insect wing metamorphosis. XXIV International Congress of Entomology, Daegu, Korea, 19-25 August 2012.
153. Montañez, R., Lozano, J., Rubio, M., de Horna, A., Bellés, X. Unravelling the Wires of Insect Metamorphosis: The Evolution of Gene Regulatory Network from Hemimetabola to Holometabola. Symposium “The Evolution of Gene Regulatory Networks in Animal Development”. Vienna, Austria, 11-14 September 2012.
154. Lozano, J., Montañez, R., Bellés, X. Krüppel homolog 1, a key factor in the gene regulatory network governing insect metamorphosis. Symposium “The Evolution of Gene Regulatory Networks in Animal Development”. Vienna, Austria, 11-14 September 2012.
155. Bellés, X., Lozano, J. Rubio, M., Montañez, R. Different roles of microRNAs in insect metamorphosis. 17<sup>th</sup> International Congress of Comparative Endocrinology (ICCE 2013).Barcelona, Spain, July 15-19, 2013. Member of the Organizing Committee.
156. Santos, C.G., Maestro, J.L., Bellés, X. Cell hyperproliferation in corpora allata of *Blattella germanica* females in the premetamorphic nymphal instar. 17<sup>th</sup> International Congress of Comparative Endocrinology (ICCE 2013).Barcelona, Spain, July 15-19, 2013. Member of the Organizing Committee.
157. Elias-Neto, M., Bellés, X. Depletion of *Sex combs reduced* triggers pro-wing formation in the prothorax of *Blattella germanica* (Dictyoptera, Blattellidae) . 17<sup>th</sup> International Congress of Comparative Endocrinology (ICCE 2013).Barcelona, Spain, July 15-19, 2013. Member of the Organizing Committee.
158. Bellés, X., Lozano, J., Montañez, R. A single miRNA drives hemimetabolous metamorphosis to a right end. International Insect Hormone (19th Ecdysone) Workshop. University of Minnesota, Minneapolis, Minnesota, USA, July 22-26, 2013. Member of the Organizing Committee and Keynote speaker.
159. Borrás, F.;Nieva, C.;Maestro, O.;Maestro, J.L.;Belles, X.;Martín, D. Ecdysone meets juvenile hormone: nuclear receptors seven-up and FTZ-F1 control juvenile hormone biosynthesis during hemimetabolous metamorphosis. International Insect Hormone (19th Ecdysone) Workshop. University of Minnesota, Minneapolis, Minnesota, USA, July 22-26, 2013. Member of the Organizing Committee and Keynote speaker.

160. Bellés, X. From dragons to master genes. A journey through the ideas on the evolution of cave animals. III Encuentro Ibérico de Biología Subterránea. Barcelona 2-5 October 2013. **Member of the Organizing Committee.**
161. Lozano, J., Montañez, R., Bellés, X. microRNA-2 family regulates insect metamorphosis by controlling juvenile hormone signaling pathway. 4<sup>th</sup> Spanish Society of Evolutionary Biology meeting, Barcelona (Spain), 27-29 November 2013. **Member of the Organizing Committee.**
162. Santos, C.G., Bellés, X. Key role of Medea (SMAD4) in cockroach metamorphosis. 4<sup>th</sup> Spanish Society of Evolutionary Biology meeting, Barcelona (Spain), 27-29 November 2013. **Member of the Organizing Committee.**
163. Elias-Neto, M., Bellés, X. Determination of wing identity in *Blattella germanica* (Dictyoptera, Blattellidae). 4<sup>th</sup> Spanish Society of Evolutionary Biology meeting, Barcelona (Spain), 27-29 November 2013. **Member of the Organizing Committee.**
164. Ylla, G., Bellés, X. Development of cockroach tergal glands as a minimal model of insect metamorphosis. 4<sup>th</sup> Spanish Society of Evolutionary Biology meeting, Barcelona (Spain), 27-29 November 2013. **Member of the Organizing Committee.**
- 165. Belles, X. RNAi in insects. European Food Safety Authority (EFSA) workshop ‘Risk assessment considerations for RNAi-based GM plants’. Brussels ( Belgium), 4-5 June 2014. Invited keynote speaker.**
- 166. Belles, X. Tergal gland morphogenesis as a minimal model of insect metamorphosis. X International Conference on Juvenile Hormones. Tsukuba, Japan, 9-13 June, 2014. Invited plenary speaker.**
- 167. Bellés, X. The tergal glands of male cockroaches as a minimal model of insect metamorphosis. VII International Symposium on Molecular Insect Science. Amsterdam, Holland, 13-16 July, 2014.**
- 168. Ons, S., Bellés, X., Maestro, J.L. Role of Orcokinin neuropeptides in oogenesis in the cockroach *Blattella germanica*. VII International Symposium on Molecular Insect Science. Amsterdam, Holland, 13-16 July, 2014.**
- 169. Belles, X. Small details, big consequences: microRNAs, hormonal signaling and insect metamorphosis. III Biennial Conference of the North American Society for Comparative Endocrinology. Ottawa (Canada), June 21-25, 2015. Invited Plenary Lecture in the President Symposium.**
- 170. Belles, X. Medea and metamorphosis. II International Insect Hormone Workshop. Crete (Greece), July 13-17, 2015. Member of the Organizing Committee.**
171. Belles, X. La metamorfosis de los insectos y el control de plagas. IX Congreso Nacional de Entomología Aplicada. Valencia (España), 19-22 Octubre 2015. **Conferencia Plenaria Invitada.**
172. Fernandez-Nicolas, A. , Belles, X. Nejure contributes to regulate food intake, growth and ecdysis in the premetamorphic nymphal stage of *Blattella germanica*. BCN Developmental Biology Joint Retreat 2015. Barcelona 19-20 March, 2015.
- 173. Clark-Hatchel, C. M., Linz, D. M., Belles, X., Buschbeck, E., Patel, N., Tomoyasu, Y. Exploring the origin of insect wings through functional analysis of vestigial in various**

arthropod species. Pan-American Society for Evolutionary Developmental Biology. Inaugural 2015 Meeting. Berkeley, CA (USA), August 5-9, 2015.

174. Wexler, J., Belles, X., Kopp, A. Do all insects share a common sexual differentiation pathway? Pan-American Society for Evolutionary Developmental Biology. Inaugural 2015 Meeting. Berkeley, CA (USA), August 5-9, 2015.

175. Finn, R.N., Chauvigné, F., Stavang, J.A., Belles, X., Cerdà, J. The Molecular Evolution of Arthropod Aquaporins. Entomology 2015 Symposia. The Entomological Society of America. Minneapolis, Minnesota (USA), November 15-18, 2015.

176. Belles, X. Avances recientes en el estudio de la metamorfosis de los insectos. V Congreso de la Sociedad Española de Biología Evolutiva. Murcia 18-21 Enero 2016.

177. Fernández-Nicolás, A. y Bellés, X. Papel de la hormona juvenil en la embriogénesis de la cucaracha *Blattella germanica* (Dictyoptera, Blattellidae). V Congreso de la V Congreso de la Sociedad Española de Biología Evolutiva. Murcia 18-21 Enero 2016.

178. Ylla, G., Bastian, B., Navas, E., Piulachs, M.-D., Bellés, X. The miRNA complement of the hemimetabolous *Blattella germanica*. V Congreso de la V Congreso de la Sociedad Española de Biología Evolutiva. Murcia 18-21 Enero 2016.

179. Belles, X. Regulation of insect metamorphosis by hormonal signaling and microRNAs. 18th International Congress of Comparative Endocrinology (ICCE18). Chateau Lake Louise, Banff National Park, Alberta, Canada. June 4-9, 2017. Invited Plenary Lecture.

180. Belles, X. Regulation of insect metamorphosis by hormonal signaling. 11th Annual Meeting of Gulbenkian Students (AmeeGuS), Vimeiro, Portugal. 28th to the 31th of May 2017. Invited Plenary Lecture.

181. Belles, X. miRNAs and the evolution of insect metamorphosis. Laboratory of Insect Physiology, Graduate School of Agriculture, Kyoto University. July 6, 2017. Invited seminar. Host: Prof. Takaaki Daimon

182. Belles, X. Regulation of insect metamorphosis by hormonal signaling and miRNAs. Laboratory of Insect Physiology, Graduate School of Agriculture, Kyoto University. July 7, 2017. Invited seminar. Host: Prof. Takaaki Daimon

183. Belles, X., Fernandez-Nicolas, A., Ylla, G. Insect metamorphosis from the embryo perspective. 3rd International Insect Hormone Workshop. Nasu, Japan. July 9-14, 2017. Member of the Organizing Committee. Keynote lecture.

184. Belles, X. Insect metamorphosis from the embryo perspective. Laboratory of Insect Physiology, Graduate School of Agriculture, Kyoto University, Japan. July 18, 2017. Invited seminar. Host: Prof. Takaaki Daimon

185. Belles, X. Regulation of insect metamorphosis by hormonal signaling and miRNAs. Department of Life Systems, Institute of Technology and Science, Tokushima University Graduate School, Japan. July 19, 2017. Invited seminar. Host: Profs. Sumihare Noji and Taro Mito.

186. Belles, X. miRNAs and the evolution of insect metamorphosis. Graduate School of Bioagricultural Sciences, Nagoya University, Japan. July 20, 2017. Invited seminar. Host: Prof. Chieka Minakuchi

**187. Belles, X. miRNAs and the evolution of insect metamorphosis. National Institute for Basic Biology, Okazaki, Japan. July 21, 2017. Invited seminar. Host: Prof. Teruyuki Niimi.**

188. Belles, X. Vivir dos vidas: un paseo por la metamorfosis de los insectos. IV Lección Albareda. Universidad de Navarra, 19 de abril 2018.

189. Ventós-Alfonso, A., Bellés, X. A key role of DNA-methyltransferase 1 in early embryogenesis of the German cockroach *Blattella germanica*. XVIII Jornada de Biología Evolutiva. Societat Catalana de Biologia, Barcelona, 25 de junio de 2018.

190. Kamsoi, O., Bellés, X. Role of Myoglianin in metamorphosis of *Blattella germanica*. XVIII Jornada de Biología Evolutiva. Societat Catalana de Biologia, Barcelona, 25 de junio de 2018.

**191. Belles, X. Molecular regulation of insect metamorphosis. South China Normal University, Guangzhou, China, 24 October 2018. Invited lecture. Nominated Guest Professor of School of Life Sciences. Host: Prof. Sheng Li.**

**192. Belles, X. Regulation of insect metamorphosis with hormones, transcription factors and microRNAs. Henan University, Kaifeng, China, 29 October 2018. Invited lecture. Host: Prof. Shutang Zhou.**

**193. Belles, X. Regulation of insect metamorphosis. Northwest A & F University, Xi'an, China, 31 October 2018. Invited lecture. Host: Prof. Shutang Zhou.**

**194. Belles, X. The metamorphosis of insects and their regulation. Grande Conférence de l'Académie des sciences. Insectes: amis, ennemis et modèles. Paris, 12-14 mars 2019. Invited lecture. Host: Jules Hoffmann.**

**195. Belles, X. Regulation of insect metamorphosis with hormones, transcription factors and microRNAs. 1<sup>st</sup> International Molecular Plant Protection Congress. Adana, Turkey. April 10-13, 2019. Invited lecture.**

**196. Harrison, MC, Jongepier E, Robertson HM, Kremer, LP, Schal C, Richards S, Belles X, Korb J, Bornberg-Bauer E. 2019. Blattodean genomes offer valuable insights into the molecular basis of the transition to termite eusociality. Society for Molecular Biology and Evolution meeting 2019. Section: The molecular basis of major transitions in evolution. 21-25 July 2019, Manchester, UK.**

**197. Belles, X. Insect metamorphosis from a cockroach perspective. Honorary Karlson lecture. 4th International Insect Hormone Workshop Kolymbari, Crete, Greece. June 30-July 6, 2019. Member of the Organizing Committee.**

**198. Kamsoi, O., Bellés, X. E93 mediates the prothoracic gland degeneration after insect metamorphosis. 4th International Insect Hormone Workshop Kolymbari, Crete, Greece. June 30-July 6, 2019.**

**199. Ventós-Alfonso, A., Bellés, X. E93 regulates miR-309 miRNAs and Zelda expression during the maternal-to-zygotic transition of cockroach embryos. 4th International Insect Hormone Workshop Kolymbari, Crete, Greece. June 30-July 6, 2019.**

**200. Kamsoi, O., Bellés, X. E93 mediates the degeneration of the prothoracic gland after the adult molt in the German cockroach. Eighth International Symposium on Molecular Insect Science. Sitges 7-10 July, 2019.**

**201. Ventós-Alfonso, A., Bellés, X. Regulation of the acute expression of Zelda by miR-309 during the maternal-to-zygotic transition of cockroach embryos. Eighth International Symposium on Molecular Insect Science. Sitges 7-10 July, 2019.**

**202. Belles, X. The endocrine regulation of insect metamorphosis. Molecular mechanisms and beyond. Honorary Planas lecture. AIEC 2019, Faro (Portugal), 26-28 septiembre 2019.**

203. Ventós-Alfonso, A. Montañés, J.C., Belles, X. DNA methylation is crucial in cockroach early embryogenesis. XXXI Jornada de Biología de Desenvolvament. Societat Catalana de Biologia, Barcelona, 6 novembre 2019.

### **SUPERVISED PHD THESIS**

1. TITLE: Biological activity of various compounds with antagonistic properties of juvenile hormone in *Blattella germanica*.

PhD STUDENT: Maria Dolors Piulachs Bagà

UNIVERSITY: University of Barcelona. FACULTY: Biology

YEAR: 1987

QUALIFICATION: Excellent cum laude

2. TITLE: Mechanisms regulating the production of juvenile hormone in *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: José Luis Maestro Garriga

UNIVERSITY: University of Barcelona. FACULTY: Biology

YEAR: 1994

QUALIFICATION: Excellent cum laude

Co-supervised: Dra. M<sup>a</sup> Dolores Piulachs Bagà

3. TITLE: Ecdysteroidal hormones and reproduction in *Blattella germanica*.

PhD STUDENT: Nuria Pascual Duran.

UNIVERSITY: University of Barcelona. FACULTY: Biology

YEAR: 1995

QUALIFICATION: Excellent cum laude

4. TITLE: Physiological, biochemical and molecular mechanisms of juvenile hormone metabolism in insects.

PhD STUDENT: Stéphane Debernard

UNIVERSITY: Université de Bordeaux I. FACULTY: Sciences biologiques et Médicales

YEAR: 1995

QUALIFICATION: Top qualification

Co-supervised: Dr. Franck Couillaud

5. TITLE: Biological cycles and adaptive strategies to the subterranean environment of the genus *Loboptera* (Blattaria, Blattellidae).

PhD STUDENT: Isaac Izquierdo Zamora

UNIVERSITY: La Laguna University. FACULTY: Sciences

YEAR: 1997

QUALIFICATION: Excellent cum laude  
Co-supervised: Dr. Pedro Oromí Masoliver

6. TITLE: Allatostatins and reproduction in *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: Lluïsa Vilaplana Holgado

UNIVERSITY: University of Barcelona. FACULTY: Biology

YEAR: 1998

QUALIFICATION: Excellent cum laude

Co-supervised: Dra. M<sup>a</sup> Dolors Piulachs Bagà

7. TITLE: Regulation of sexual behavior of a *Agrotis ipsilon* with a lipidic hormone and a neuropeptide.

PhD STUDENT: Line Duportets

UNIVERSITY: Université de Bordeaux I. FACULTY: Sciences biologiques et Médicales

YEAR: 1998

QUALIFICATION: Top qualification

Co-supervised: Dr. Franck Couillaud

8. TITLE: HMGCoA reductase and reproduction in *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: Rafael Zapata Pregonero

UNIVERSITY: University of Barcelona. FACULTY: Biology

YEAR 2002

QUALIFICATION: Excellent cum laude

9. TITLE: Peptides regulating feeding in *Blattella germanica* (L.) (Dictyoptera, Blattellidae),

PhD STUDENT: Ruth Aguilar Serrano

DIRECTOR: Xavier Bellés and José Luis Maestro

UNIVERSITY: Barcelona. FACULTY: Biology

YEAR 2003

QUALIFICATION: Excellent cum laude

10. TITLE: Nuclear receptors involved in endocrine regulation in *Blattella germanica* (L.) (Dictyoptera, Blattellidae). Characterization of the BgEcR-A, BgHR3 and BgFTZ-F1 genes.

PhD STUDENT: Josefa Cruz Rodriguez

UNIVERSITY: Barcelona. FACULTY: Biology

YEAR 2005

QUALIFICATION: Excellent cum laude

Co-supervised: Dr. David Martín

11. TITLE: Molecular mechanisms of the ecdysteroids in the hemimetabolous insect *Blattella germanica* (L.) (Dictyoptera, Blattellidae). Characterization of the nuclear receptors BgE75 and BgHR4.

PhD STUDENT: Daniel Mañé-Adrós

UNIVERSITY: Barcelona. FACULTY: Biology

YEAR 2007

QUALIFICATION: Excellent cum laude

Co-supervised: Dr. David Martín

12. TITLE: Regulatory mechanisms of ovarian maturation in *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: Laura Ciudad Garrido

UNIVERSITY: Barcelona. FACULTY: Biology

YEAR 2008

QUALIFICATION: Excellent cum laude  
Co-supervised: Dr. Maria-Dolors Piulachs

13. TITLE: Characterization of the transcription factors E74 and Seven Up in the development of the hemimetabolan insect *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: Ferran Borràs Castells

UNIVERSITY: Barcelona. FACULTY: Biology

YEAR 2011

QUALIFICATION: Excellent cum laude

Co-supervised: Dr. David Martín

14. TITLE: microRNAs and metamorphosis in the hemimetabolan insect *Blattella germanica* (L.) (Dictyoptera, Blattellidae).

PhD STUDENT: Mercedes Rubio Martínez

DIRECTOR: Xavier Bellés

UNIVERSITY: Pompeu Fabra.

YEAR 2012.

QUALIFICATION: Excellent cum laude

15. TITLE: Molecular analysis of ovarian resorption induced by hydric stress in *Blattella germanica*.

PhD STUDENT: Alba Herráiz Yebes

UNIVERSITY: Pompeu Fabra

FACULTY: Biology

YEAR 2013.

QUALIFICATION: Excellent cum laude

16. TITLE: Mechanism of action of juvenile hormone in insect metamorphosis.

PhD STUDENT: Jesús Lozano Fernández

UNIVERSITY: Barcelona FACULTY: Biology

YEAR 2014.

QUALIFICATION: Excellent cum laude

17. TITLE: Role of the juvenile hormone in the embryogenesis of *Blattella germanica*.

PhD STUDENT: Ana Fernández-Nicolas

UNIVERSITY: Pompeu Fabra

YEAR: 2017.

QUALIFICATION: Excellent cum laude

18. TITLE: Transduction of the vitellogenic signal of juvenile hormone in the German cockroach.

PhD STUDENT: Mahboubeh Naghdi

UNIVERSITY: University of Tehran

YEAR: 2016

QUALIFICATION: Top qualification

Co-supervised: Ali Bandani

19. TITLE: Key transitions in the embryogenesis of a hemimetabolan insect, a genomic analysis.

PhD STUDENT: Guillem Ylla Bou

UNIVERSITY: Pompeu Fabra

YEAR: 2017

QUALIFICATION: Excellent cum laude

20. TITLE: Factors triggering the expression of E93 at the onset of metamorphosis.



PhD STUDENT: Orathai Kamsoi  
UNIVERSITY: Pompeu Fabra  
YEAR: 2020  
QUALIFICATION: Excellent cum laude

21. TITLE: Factors determining the adult body plan in the hemimetabolan embryogenesis.

PhD STUDENT: Alba Ventós Alfonso  
UNIVERSITY: Pompeu Fabra  
YEAR: 2021.  
QUALIFICATION: Excellent cum laude

## **ORGANIZATION OF CONGRESSES AND SCIENTIFIC EVENTS**

International meetings are indicated in bold

**International Congress of Coleopterology, Barcelona (España), September 1989. Vice-president of the Congress.**

**XIth International Ecdysone Workshop. České Budejovice (Czech Republic), July, 1994. Member of the Organizing Committee.**

**XIIth International Ecdysone Workshop. Barcelona, July 1996. Organizer, president of the Congress.**

**XIIIth International Ecdysone Workshop. Jena, July 1998. Member of the Organizing Committee.**

**VII International Conference on Juvenile Hormones. Jerusalem August, 1999. Member of the Organizing Committee.**

**XIVth International Ecdysone Workshop. Rapperswil, July 2000. Member of the Organizing Committee.**

IX Congreso Ibérico de Entomología (Zaragoza), July 2000. Member of the Organizing Committee.

**XVth International Ecdysone Workshop. Crete, Greece, July 2002. Member of the Organizing Committee.**

**21<sup>st</sup> Conference of European Comparative Endocrinologists, Bonn (Germany), August, 2002. Member of the Organizing Committee.**

**XVI Ecdysone Workshop. Ghent (Belgium), July (2006). Member of the Organizing Committee.**

**XI International Conference on Juvenile Hormones, York (Great Britain), August 2007. Member of the Organizing Committee.**

**XVII Ecdysone Workshop. Ulm (Germany), July (2008). Member of the Organizing Committee.**

**XVIII Ecdysone Workshop. České Budejovice (Czech Republic), July (2010). Member of the Organizing Committee.**

**17<sup>th</sup> International Congress of Comparative Endocrinology (ICCE 2013). Barcelona (Spain), July 15-19, 2013. Member of the Organizing Committee.**

**International Insect Hormone (19<sup>th</sup> Ecdysone) Workshop. University of Minnesota, Minneapolis, Minnesota, USA, July 22-26, 2013. Member of the Organizing Committee.**

III Encuentro Ibérico de Biología Subterránea, Barcelona (Spain) 2-5 October 2013. Member of the Organizing Committee.

4<sup>th</sup> SESBE meeting, Barcelona (Spain), 27-29 November 2013. Member of the Organizing Committee.

**II International Insect Hormone Workshop. Crete, Greece, July 13-17, 2015. Member of the Organizing Committee.**

**3<sup>rd</sup> International Insect Hormone Workshop. Nasu, Japan. July 9-14, 2016. Member of the Organizing Committee.**

**4<sup>th</sup> International Insect Hormone Workshop. Kolymbari, Crete, Greece. June 30-July 6, 2019. Member of the Organizing Committee.**

## MANAGEMENT TASKS

Title: European Association of Coleopterology

Task: Founder member

Date: 1986.

Title: Sectoral program of the CSIC (1988-1990) (Subprogram "Terrestrial biological resources")

Task: Vocal speaker for the preparation of the program

Date: 1987

Title: Club de Barcelona, attached to the Institute of Humanities of Barcelona, directed by Prof. Ramon Margalef

Task: Secretary

Date: 1989-1991.

Title: Association for the Promotion of Science (Barcelona)

Task: Founder member and secretary

Date: 1993-2001.

Title: European Society for Comparative Endocrinology

Task: Councillor

Date: 1996-1998

Title: Member of the Scientific Area Commission No. 3 (Natural Resources) of the CSIC

Task: Commissioner

Date: 2002-Nov 2004

Title: Cooperator of Scientific Area No. 3 (Natural Resources) of the CSIC  
Task: Coordinator  
Date: Nov 2004 to June 2008

Title: Institute of Evolutionary Biology (CSIC-UPF)  
Task: Acting Director of the Institute of Evolutionary Biology  
Date: July 2008-November 2011

Title: Institute of Evolutionary Biology (CSIC-UPF)  
Task: Director of the Institute of Evolutionary Biology  
Date: November 2011-December 2018.

### **EDITORIAL TASKS**

Editor of the journal:  
Animal Biodiversity and Conservation (Barcelona)

Review editor of the journal:  
Frontiers in Endocrinology

Editorial board member of the of the following SCI journals:

Insect Biochemistry and Molecular Biology  
Journal of Insect Physiology  
Archives of Insect Biochemistry and Physiology  
Physiological Entomology  
European Journal of Entomology  
Insect Science  
The Journal of Insect Science  
Current Opinion in Insect Science  
Current Research in Insect Science (to be launched by Elsevier by mid 2020)

Editorial board member of the of the following non-SCI journals:

Acta Zoológica Mexicana  
Elytron  
Bolletí de la Societat d'Historia Natural de Balears  
Graellsia  
Boletín de la Asociación Española de Entomología  
Heteroptera  
Contributions to Science  
Mètode

### **AWARDS AND HONOURS**

1985. Prix Maurice et Therèse Pic de la Société Entomologique de France, for the whole of my entomological work.

Full member of the Institut d'Estudis Catalans (Academy of Sciences and Humanities of Catalonia)

Corresponding Member of the Royal Academy of Exact, Physical and Natural Sciences (Madrid).

Full member of the Royal Academy of Sciences and Arts of Barcelona.

Honorary Member of the Spanish Society of Evolutionary Biology (2012).

Scientific Literature Prize of the Fundació Catalana per a la Recerca 2003, for the book "El teatre dels insectes" ("The insects theater"), Editorial Rubes, 2003.

"Prisma Casa de las Ciencias" Prize 2009, for book "Vivir dos vidas, Un viaje por la metamorfosis de los insectos" ("Living two lives, A journey through insect metamorphosis"), Editorial "La Voz de Galicia", 2009.

Narcís Monturiol Medal of the Generalitat de Catalunya (Catalan Government) for scientific merit, 2018.

Nominated for the Karlson Lecture in International Symposium on Insect Hormones, Crete, 20 June-6 July, 2019.

### **ASSESSMENT AND ADVISORY TASKS**

Regular evaluator of the National Evaluation Agency (Spain)

Member of the Scientific Committee of the del Labex BCdiv (Museum national d'Histoire Naturelle, Paris) (from 2010).

Member of the Board of Directors of CREAM (Center for Ecological Research and Forestry Applications), Barcelona (from 2008).

Counselor of the "Advisory Council for the Sustainable Development of Catalonia", dependent from the Catalan Government (from 2013).

### **TAXA NEW TO SCIENCE DESCRIBED**

I have described a total of 122 taxa described between 1973 and 2019, at the level of tribe (1), genus (32) and species (89). The distribution of these 122 taxa in insect orders and families, in chronological order, is as follows.

#### **Coleoptera Ptinidae-Ptininae**

##### **New tribe**

Meziini Bellés, 1985

##### **New genera/subgenera**

*Lapidoniptus* Bellés, 1981 (type species: *Piarus hispanicus* Pic, 1953)

*Cephaloptinus* Bellés, 1983 (subgenus of *Maheoptinus* Pic, 1903; type species: *Cylindroptinus sulcatithorax* Pic, 1910)

*Luzonites* Bellés, 1983 (subgenus of *Maheoptinus* Pic, 1903 type species: *Maheoptinus robustus* Pic, 1923)  
*Lepimedoziium* Bellés, 1984 (type species *Mezium natalense* Péringuey, 1899)  
*Ptinospaerius* Bellés & Lawrence, 1984 (type species *Ptinospaerius marginicollis* Bellés & Lawrence, 1984)  
*Prosternoptinus* Bellés, 1985 (type species *Ptinus theresae* Pic, 1898)  
*Arachnomimus* Bellés, 1985 (type species *Arachnomimus cristithorax* Bellés, 1985)  
*Sulcatogibbium* Bellés, 1985 (type species *Gibbium punctaticolle* Pic, 1908)  
*Sulcoptinus* Bellés, 1988 (type species *Sulcoptinus gomyi* Bellés, 1988)  
*Trymolophus* Bellés, 1990 (type species *Trymolophus mascarenhasi* Bellés, 1990)  
*Singularivultus* Bellés, 1991 (type species *Singularivultus decellei* Bellés, 1991)  
*Kedirinus* Bellés, 1991 (type species *Kedirinus papuanus* Bellés, 1991)  
*Sundaptinus* Bellés, 1991 (type species *Sundaptinus planophthalmus* Bellés, 1991)  
*Hanumanus* Bellés, 1991 (type species *Hanumanus sumateraensis* Bellés, 1991)  
*Kalimantanus* Bellés, 1991 (subgenus of *Maheoptinus* Pic, 1903 type species: *Ptinus parallellicollis* Pic, 1923)  
*Cyphoniptus* Bellés, 1991 (type species: *Ptinus sulcithorax* Pic, 1899)  
*Paulianoptinus* Bellés, 1991 (type species: *Ptinus metallicus* Pic, 1898)  
*Octopitnus* Bellés, 1992 (subgenus of *Ptinus* Gorham, 1880, type species: *Ptinus australiae* Lea, 1923)  
*Doramasus* Bellés, 1994 (subgenus of *Sphaericus* Wollaston, 1854; type species: *Sphaericus crotchianus* Wollaston, 1854)  
*Stereocaulophilus* Bellés, 1994 (type species: *Stereocaulophilus volcanius* Bellés, 1994)  
*Leasphaericus* Bellés, 1998 (subgenus of *Sphaericus* Wollaston, 1854; type species: *Sphaericus (Leasphaericus) flavipennis* Bellés, 1998)  
*Tropicoptinus* Bellés, 1998 (type species: *Ptinus tomentosus* Boieldieu, 1854)  
*Sucinoptinus* Bellés and Vitali, 2007 (type species: *Sucinoptinus sucini* Bellés and Vitali, 2007)  
*Oviedinus* Bellés, 2010 (type species: *Ptinus angustithorax* Bellés, 1986)  
*Dignoptinus* Alekseev, Bukejs & Bellés, 2019  
*Soqotranus* Belles, 2021

### **New species/subspecies**

*Gibbium einsteini* Bellés, 1979  
*Piarus chevalieri* s.sp. *impunctatus* Bellés, 1982  
*Sphaericus bicolor* Bellés, 1982  
*Maheoptinus thai* Bellés, 1983  
*Mezium namibiensis* Bellés, 1984  
*Ptinospaerius marginicollis* Bellés & Lawrence, 1984  
*Ptinus venezolanus* Bellés, 1984  
*Ptinus basicomatus* Bellés, 1984  
*Prosternoptinus bordoni* Bellés, 1985  
*Prosternoptinus bicolor* Bellés, 1985  
*Prosternoptinus bechynei* Bellés, 1985  
*Prosternoptinus jolyi* Bellés, 1985  
*Arachnomimus cristithorax* Bellés, 1985  
*Ptinus angustithorax* Bellés, 1986  
*Xylodes excavaticollis* Bellés, 1987  
*Maheoptinus negrosianus* Bellés, 1987  
*Xylodes binodulus sinuosus* Bellés, 1988  
*Sulcoptinus gomyi* Bellés, 1988  
*Sulcoptinus tarsisentus* Bellés, 1988  
*Sulcoptinus negrei* Bellés, 1988  
*Sulcoptinus reunionensis* Bellés, 1988  
*Trymolophus mascarenhasi* Bellés, 1990

*Trymolophus magnus* Bellés, 1990  
*Trymolophus nobilis* Bellés, 1990  
*Trymolophus nobilis picianus* Bellés, 1990  
*Trymolophus cafresianus* Bellés, 1990  
*Singularivultus decellei* Bellés, 1991  
*Kedirinus papuanus* Bellés, 1991  
*Sundaptinus planophthalmus* Bellés, 1991  
*Sundaptinus wallacei* Bellés, 1991  
*Sundaptinus tamil* Bellés, 1991  
*Sundaptinus batak* Bellés, 1991  
*Hanumanus sumateraensis* Bellés, 1991  
*Hanumanus grandicornis* Bellés, 1991  
*Ptinus latithorax* Bellés, 1991  
*Paulianoptinus gracilicornis* Bellés, 1991  
*Sulcoptinus perbrevis* Bellés, 1991  
*Ptinus pintae grandis* Bellés, 1992  
*Ptinus falli* Bellés, 1992  
*Ptinus pacatus* Bellés, 1992  
*Ptinus parvus* Bellés, 1992  
*Ptinus galapagoensis lapidicola* Bellés, 1992  
*Ptinus tucsonianus* Bellés, 1992  
*Ptinus mexicanus* Bellés, 1992  
*Ptinus striatus* Bellés, 1992  
*Ptinus robustus* Bellés, 1992  
*Ptinus longicornis* Bellés, 1992  
*Ptinus antillanus* Bellés, 1992  
*Sphaericus machadoi* Bellés, 1994  
*Stereocaulophilus volcanius* Bellés, 1994  
*Casapus hirsutus* Bellés, 1996  
*Dignomus kukalovae* Bellés, 1996  
*Ptinus espanyoli* Bellés, 1997  
*Sphaericus (Leasphaericus) flavipennis* Bellés, 1998  
*Sphaericus (Leasphaericus) diversevillosus* Bellés, 1998  
*Tropicoptinus howdenorum* Bellés, 1998  
*Sphaericus selvagensis* Bellés, 2001  
*Ptinus (Cyphoderes) catalonicus* Bellés, 2002  
*Silisoptinus inermicollis* Bellés, 2005  
*Sucinoptinus sucini* Bellés and Vitali, 2007  
*Ptinus (Gynopterus) inclusus* Bellés and Vitali, 2007  
*Sphaericus hirsutus* Bellés, 2009  
*Mezium erinaceus* Bellés, 2009  
*Oviedinus hispaniolensis* Bellés, 2010  
*Ptinus bertranpetiti* Bellés, 2012  
*Sucinoptinus rovnoensis* Bellés and Perkovsky, 2016  
*Sucinoptinus brevipennis* Bellés and Perkovsky, 2016  
*Dignomus francescovitalii* Bukejs, Belles & Alekseev, 2018  
*Soqotranus niptoides* Belles, 2021  
*Silisoptinus hajeki* Belles, 2021

## **Coleoptera Ptinidae-Anobiinae**

### **New species**

*Falsoastrallus skopini* Español & Bellés, 1984

*Falsolegastrallus theresae* Español & Bellés, 1984

## **Coleoptera Leiodidae, Cholevinae, Leptodirini**

### **New genera/subgenera**

*Parvospeonomus* Bellés & Escolà, 1977 (subgenus of *Speonomus* Jeannel, 1908; type species: *Speonomus delarouzei* (Fairmaire, 1860)).

*Kobiella* Español & Bellés 1980 (type species: *Speocharidius galani* Español, 1970)

*Josettekia* Bellés & Déliot, 1983 (type species: *Josettekia angelinae* Bellés & Déliot, 1983)

### **New species/subspecies**

*Troglocharinus ferreri pallaresi* Bellés, 1973

*Speonomus espanyoli* Auroux & Bellés, 1974

*Speonomus bolivari altimontanus* Bellés, 1975

*Troglocharinus variabilis* Bellés, 1978

*Speocharidius vivesi* Español & Bellés, 1980

*Speonomus espinosai* Bellés, 1983

*Josettekia angelinae* Bellés & Déliot, 1983

*Troglocharinus ludovici* Bellés & Déliot, 1983

*Speonomus tincatincensis* Escolà, Bellés & Comas, 1985

*Speonomus saforensis* Escolà, Bellés & Comas, 1985

## **Coleoptera Carabidae**

### **New genera**

*Andinorites* Mateu & Bellés, 1980 (type species: *Andinorites troglophilus* Mateu & Bellés, 1980).

*Pseudotrechisibus* Mateu & Bellés, 1982 (type species: *Pseudotrechisibus sphaericus* Mateu & Bellés, 1982).

*Incatrechus* Mateu & Bellés, 1982 (type species: *Incatrechus pilosus* Mateu & Bellés, 1982).

### **New species**

*Andinorites troglophilus* Mateu & Bellés, 1980

*Andinorites striatus* Mateu & Bellés, 1980

*Andinorites convexus* Mateu & Bellés, 1980

*Andinorites peruvianus* Mateu & Bellés, 1980

*Pseudotrechisibus sphaericus* Mateu & Bellés, 1982

*Incatrechus pilosus* Mateu & Bellés, 1982

*Geotrechus boumortensis* Faille, Bourdeau, Bellés & Fresneda, 2015

*Geotrechus victoriai* Faille, Bourdeau, Bellés & Fresneda, 2015

*Geotrechus incantatus* Faille, Bourdeau, Bellés & Fresneda, 2015

*Geotrechus deliotti* Faille, Bourdeau, Bellés & Fresneda, 2015

## **Blattaria Cryptocercidae**

### **New species**

*Cryptocercus hirtus* Grandcolas & Bellés, 2005

## SPECIES AND GENERA DEDICATED

In turn, I have found 13 new species and 2 new genera that have been studied by other specialists, who have honored me by giving them my name.

### Species

*Typhloreicheia bellesi* Lagar, 1971 (Coleoptera)  
*Roncus bellesi* Lagar, 1972 (Pseudoscorpion)  
*Zospeum bellesi* Gittenberger, 1973 (Mollusca)  
*Lobrathium bellesi* Bordoni, 1977 (Coleoptera)  
*Stenosida bellesi* Kaszab, 1981 (Coleoptera)  
*Paraleptoneta bellesi* Ribera & Lopez, 1982 (Araneae)  
*Proasellus bellesi* Henry & Magniez, 1982 (Crustacea)  
*Chthonius bellesi* Mahnert, 1989 (Pseudoscorpion)  
*Atheta bellesi* Benick, 1990 (Coleoptera)  
*Blennidus bellesi* Straneo, 1993 (Coleoptera)  
*Damarus bellesi* Borowski, 1995 (Coleoptera)  
*Trechisibus bellesi* Mateu, 2001 (Coleoptera)  
*Trichoniscoides bellesi* Reboleira & Taiti, 2015 (Crustacea).

### Genera

*Bellesia* Fresneda & Hernando, 1995 (Coleoptera)  
*Bellesus* Özdikmen, 2010 (Coleoptera).