CURRICULUM VITAE

Personal Data

Name:	Soraya Pelaz
Place of birth:	Bilbao, Vizcaya, Spain.
Address:	CRAG Parc de Recerca UAB Bellaterra (Cerdanyola del Vallés) 08193 Barcelona
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Positions

Institution	Title	Date
Molecular Genetics Department	Head	2020 - Current
CRAG (CSIC-IRTA-UAB-UB)	ICREA Research Professor	2009 - Current
New York University	OECD Fellow	2016 (18 weeks)
New York Botanical Garden	MECD Fellow	2015 (3 months)
Plant Development & Signal Transduction Programme Coordinator		2013-2014
New York Botanical Garden	MECD Research Fellow	2013 (3 months)
IBMB (CSIC)	ICREA Research Professor	2003-2009
INIA	Principal Investigator	2001-2003
INIA	Postdoctoral	2001
University of California, San Diego	Postdoctoral	1995-2001
Universidad Autónoma de Madrid	Postdoctoral	1993-1995
Universidad Autónoma de Madrid	Ph.D.	1993
Universidad Autónoma de Madrid	B.S.	1989

Honors

2020-current Head of the Molecular Genetics Department at CRAG.

2019 Chairwoman of Workshop on Molecular Mechanisms Controlling Flower Development. Presquile de Giens, France.

2019	Hosting Dr. Michael Purugganan, Professor and Dean of New York University, USA.
2019-current	Member of the Editorial Board of Plants, Plant Development Section.
2016	18-week Research Fellowship from OECD (Organization for Economic Co-operation and Development) Co-operative Research Programme.
2015	Keynote speaker at Workshop on Molecular Mechanisms Controlling Flower Development. Spain.
2015	Member of the Organizing Committee and Chairwoman of Workshop on Molecular Mechanisms Controlling Flower Development. Spain.
2015	3-month Mobility Fellowship "Salvador de Madariaga 2014" from Ministerio de Educación, Cultura y Deporte.
2014	Member of the Organizing Committee of the ICREA Workshop: From model systems to crops, challenges for a new era in plant biology.
2014-current	Member of the Editorial Board of Peer J.
2014	Hosting Dr. Nasser Mahna as Visiting Professor from the University of Tabriz, Iran.
2013	Selected as member of AcademiaNet.
2013	3-month Mobility Fellowship "Salvador de Madariaga 2012" from Ministerio de Educación, Cultura y Deporte.
2013	Coordinator of the Plant Development and Signal transduction Programme at CRAG.
2013	Member of the Scientific Committee of Workshop on Molecular Mechanisms Controlling Flower Development. France.
2011-current	Member of the Editorial Board of Frontiers in Plant Genetics and Genomics.
2011	Chairwoman of Inflorescences Section. Workshop on Molecular. Mechanisms Controlling Flower Development. Aiquafreda, Italy.
2009-current	Associate Editor of Physiologia Plantarum.

2003-current Tenured position as ICREA Research Professor (Institució Catalana de Recerca i Estudis Avançats) at Centre for Research in Agricultural Genomics (CSIC-IRTA-UAB).

2001-2003 "Ramón y Cajal" contract from Ministerio de Ciencia y Tecnología-MCYT at Instituto de Investigación y Tecnología Agraria y Alimentaria-INIA as Principal Investigator.

2001 Contract of "Reincorporación" from MCYT at INIA.

1998-2000 Visiting Postgraduate Research Biologist at University of California at San Diego-UCSD.

1996-1998 Long Term Fellowship from Human Frontier Science Program Organization- HFSPO.

1996 Spanish Postdoctoral Fellowship for "Formación de Doctores y Tecnólogos" from Ministerio de Educación y Ciencia.

1993-1995 European Union Postdoctoral Fellowship.

1989-1993 Basque Country Predoctoral Fellowship for "Formación de Personal Investigador".

1988-1989 Basque Country Fellowship for Research Collaboration.

Publications

2020 Michela Osnato , Unai Cereijo, Jan Sala, Luis Matías-Hernández , Andrea E. Aguilar-Jaramillo, María Rosa Rodríguez-Goberna, José Luis Riechmann, Manuel Rodríguez-Concepción and **Soraya Pelaz**. The floral repressors TEMPRANILLO1 and 2 modulate salt tolerance by regulating hormonal components and photo-protection in Arabidopsis. **THE PLANT JOURNAL**, doi: 10.1111/tpj.15048. **Cover. Highlight** commentary in the same issue by Leonie Verhage.

2020 Michela Osnato, Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Martin M. Kater and **Soraya Pelaz**. Genes of the *RAV* family control heading date and carpel development in rice. **PLANT PHYSIOLOGY**, 183, 1663-1680. **Highlighted** in Plantae by Mary Williams (plantae.org July 3, 2020).

2020 Michela Osnato, Elia Lacchini, Alessandro Pilatone, Ludovico Dreni, Andrea Grioni, Matteo Chiara, David Horner, **Soraya Pelaz** and Martin M. Kater. Transcriptome analysis reveals rice OsMADS13 as an important repressor of the

carpel development pathway in ovules. **JOURNAL OF EXPERIMENTAL BOTANY**, doi: 10.1093/jxb/eraa460.

2019 Andrea E. Aguilar-Jaramillo, Esther Marín-González, Luis Matías-Hernández, Michela Osnato, **Soraya Pelaz*** and Paula Suárez-López*. TEMPRANILLO is a direct repressor of the microRNA miR172. **THE PLANT JOURNAL**, 100, 522-535.

2017 Luis Matías-Hernández, Weimin Jiang, Ke Yang, Kexuan Tang, Peter E. Brodelius and **Soraya Pelaz**. AaMYB1 and its orthologue AtMYB61 affect terpene metabolism and trichome development in *Artemisia annua* and *Arabidopsis thaliana*. **THE PLANT JOURNAL**, 90, 520-534. (Worldwide coverage media https://www.cragenomica.es/crag-in-the-media/transgenic-plants-against-malaria-media).

2016 Giussepe Pulice, **Soraya Pelaz** and Luis Matías-Hernández. Molecular farming in *Artemisia annua*, a promising approach to improve anti-malarial drug production. **FRONTIERS IN PLANT SCIENCE**, 7: 329. doi: 10.3389/fpls.2016.00329

2016 Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Michela Osnato, Roy Weinstain, Eilon Shani, Paula Suárez-López and **Soraya Pelaz**. TEMPRANILLO reveals the mesophyll as crucial for epidermal trichome formation. **PLANT PHYSIOLOGY**, 170, 1624-1639. **Highlighted** in the same issue by Yuling Jiao commentary.

2016 Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Riccardo A. Cigliano, Walter Sanseverino and **Soraya Pelaz**. Flowering and trichome development share hormonal and transcription factor regulation. **JOURNAL OF EXPERIMENTAL BOTANY**, 67, 1209-1219.

2015 Esther Marín-González, Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Jeong Hwan Lee, Ji Hoon Ahn, Paula Suárez-López and **Soraya Pelaz**. SHORT VEGETATIVE PHASE up-regulates *TEMPRANILLO2* floral repressor at low ambient temperatures. **PLANT PHYSIOLOGY**, 169, 1214-1224.

2015 Paloma Más, Jaime F. Martínez-García, José Luis Riechmann and **Soraya Pelaz**. ICREA Workshop: From model systems to crops – challenges for a new era in plant biology. **PHYSIOLOGIA PLANTARUM**, 155, 1-3.

2014 Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Esther Marín-González, Paula Suárez-López and **Soraya Pelaz**. RAV genes: regulation of floral induction and beyond. **ANNALS OF BOTANY**, 114, 1459-1470.

2013 Adriana Garay-Arroyo, Enrique Ortiz-Moreno, María de la Paz Sánchez, Angus S. Murphy, Nayelli Marsch-Martínez, Stefan de Folter, Berenice García-Ponce, Fabiola Jaimes-Miranda, Adriana Corvera-Poiré, Mario A. Pacheco-Escobedo, Joseph G. Dubrovsky, **Soraya Pelaz** and Elena R. Alvarez-Buylla. The MADS transcription factor XAL2/AGL14 modulates auxin transport during *Arabidopsis* root development by regulating PIN expression. **EMBO JOURNAL**, 32, 2884-2895.

2013 **Soraya Pelaz**. Sugar content regulates flowering. **JOURNAL OF EXPERIMENTAL BOTANY** in Flowering Highlights. (http://floweringhighlights.org).

2013 Maida Romera-Branchat, Juan José Ripoll, Martin F. Yanofsky and **Soraya Pelaz**. The *WOX13* homeobox gene promotes replum formation in the *Arabidopsis thaliana* fruit. **PLANT JOURNAL**, 73, 37-49.

2012 Michela Osnato, Cristina Castillejo, Luis Matías-Hernández and **Soraya Pelaz**. *TEMPRANILLO* genes link photoperiod and gibberellin pathway to control flowering in *Arabidopsis*. **NATURE COMMUNICATIONS**, 3:808 DOI: 10.1038/ncomms1810.

2009 Marina Trigueros, Marisa Navarrete-Gómez, Shusei Sato, Sioux Christensen, **Soraya Pelaz**, Detlef Weigel, Martin Yanofsky, and Cristina Ferrandiz. The *NGATHA* genes direct style development in the Arabidopsis gynoecium. **PLANT CELL**, 21, 1394-1409.

2008 Cristina Castillejo and **Soraya Pelaz**. The balance between CONSTANS and TEMPRANILLO activities determines *FT* expression to trigger flowering. **CURRENT BIOLOGY**, 18, 1338-1343.

2008 Rosalinda Tapia-López, Berenice García-Ponce, Joseph G. Dubrovsky, Adriana Garay Arroyo, Rigoberto V. Pérez-Ruiz, Sun-Hyung Kim, Francisca Acevedo, **Soraya Pelaz** and Elena R. Alvarez-Buylla. An *AGAMOUS*-related MADS-box gene, *XAL1* (*AGL12*), regulates root meristem cell proliferation and flowering transition in *Arabidopsis thaliana*. **PLANT PHYSIOLOGY**, 146, 1182-1192.

2007 Gabriel S. Fonseca, Berenice Garcia, Marcelina Garcia, Ursula Flores, **Soraya Pelaz** and Elena Alvarez-Buylla. *XAANTAL3 (AGL17)* is an *ANR1*-like MADS-box gene that regulates Arabidopsis root meristem behaviour and mediates morphogenetic responses under nitrogen and phosphorus starvation. **DEVELOPMENTAL BIOLOGY**, 306, 449.

2005 Pedro Robles and **Soraya Pelaz.** Flower and fruit development in *Arabiodpsis thaliana*. **INTERNATIONAL JOURNAL OF DEVELOPMENTAL BIOLOGY.** 49, 633-643.

2005 Castillejo, Maida Romera and **Soraya Pelaz.** A new role of the *Arabidopsis SEPALLATA3* gene revealed by its constitutive expression. **PLANT JOURNAL.** 43, 586-596.

2004 Gary Ditta, Anusak Pinyopich, Pedro Robles, **Soraya Pelaz** and Martin F. Yanofsky. The *SEP4* gene of *Arabidopsis thaliana* functions in floral organ and in meristem identity. **CURRENT BIOLOGY.** 14, 1935-1940. **Cover**.

2003 Scott D. Michaels, Gary Ditta, Cindy Gustafson-Brown, **Soraya Pelaz**, Martin F. Yanofsky and Richard M. Amasino. *AGL24* acts as a promoter of flowering in *Arabidopsis* and is positively regulated by vernalization. **PLANT JOURNAL**. 33, 867-874.

2003 **Soraya Pelaz,** Sarah Liljegren, Adrienne Roeder, Cristina Ferrándiz, Anusak Pinyopich, Lars Ostergaard, Kristina Gremski, Pedro Robles, Gary Ditta, Sherry Kempin and Martin Yanofsky. The role of MADS-box genes in the control of flower and fruit development in *Arabidopsis*. **PLANT BIOTECHNOLOGY 2002 AND BEYOND**. Kluwer Academic Publishers (I.K. Vasil, ed.). The Netherlands.

2001 **Soraya Pelaz**, Cindy Gustafson-Brown, Susanne Kohalmi, William Crosby and Martin F. Yanofsky. APETALA1 and SEPALLATA3 interact to promote flower development. **PLANT JOURNAL**. 26, 1-11.

2001 **Soraya Pelaz**, Rosalinda Tapia-López, Elena R. Alvarez-Buylla and Martin F. Yanofsky. Conversion of leaves into petals in *Arabidopsis*. **CURRENT BIOLOGY**. *11*, 182-184. **Cover**.

2000 Elena R. Alvarez-Buylla, Sarah J. Liljegren, **Soraya Pelaz**, Scott J. Gold, Caroline N.L. Burgeff, Gary S. Ditta and Martin F. Yanofsky. MADS-box gene evolution beyond flowers: expression in pollen, endosperm, guard cells, roots and trichomes. **PLANT JOURNAL**, *24*, 457-466. **Cover**.

2000 **Soraya Pelaz**, Gary S. Ditta, Elvira Baumann, Ellen Wisman, and Martin F. Yanofsky. B and C floral organ identity functions require *SEPALLATA* MADS-box genes. **NATURE**, 405, 200-203. **Cover**.

2000 Elena Alvarez-Buylla, **Soraya Pelaz**, Sarah Liljegren, Scott J. Gold, Caroline Burgeff, Gary S. Ditta, Lluis Ribas de Pouplana, León Martínez-Castilla and Matin F. Yanofsky. An ancestral MADS-Box gene duplication occurred prior to the divergence of plants and animals **PNAS**, 97, 5328-5333.

1999 Cristina Ferrándiz, **Soraya Pelaz** and Matin F. Yanofsky. Control of Carpel and Fruit Development in *Arabidopsis*. **ANNUAL REVIEW OF BIOCHEMISTRY**, *68*, 321-354.

1998 Sarah J. Liljegren, Cristina Ferrándiz, Elena R. Alvarez-Buylla, **Soraya Pelaz** and Martin F. Yanofsky. *Arabidopsis* MADS-box Genes Involved in Fruit Dehiscence. **FLOWERING NEWSLETTER**, *25*, 9-19.

1996 Manuel Calleja, Eduardo Moreno, **Soraya Pelaz** and Ginés Morata. Visualization of Gene Expression in Living Adult *Drosophila*. **SCIENCE**, *274*, 252-255.

1994 Ana Macías, **Soraya Pelaz** and Ginés Morata. Genetic Factors Controlling the Expression of the *abdominal-A* gene of the *Drosophila* within its domain. **MECHANISM OF DEVELOPMENT**, *46*, 15-25.

1993 **Soraya Pelaz**, Nuria Urquía and Ginés Morata. Normal and Ectopic domains of the Homeotic gene *Sex combs reduced* of *Drosophila*. **DEVELOPMENT**, *117*, 917-923.

Patents

1.- New non-naturally occurring seed plants that exhibit modulated reproductive development, useful for breeding plants with improved characteristics such as improved yield or quality (2004). Patent Numbers: US2004229366-A1; US7273968-B2. Inventors: M. Yanofsky, **S. Pelaz** y G. Ditta. UCSD

2.- Combinations of genes for producing seed plants exhibiting modulated reproductive development (2004) Patent Number: US 6828478 Inventors: M. Yanofsky, **S. Pelaz** y G. Ditta. UCSD

3.- A non-naturally occurring seed plant comprising polynucleotides encoding an APETELA1 or CAULIFLOWER gene product and a SEP1, SEP2, SEP3 or AGL24 gene product provides a plant with altered timing of reproductive development (2002) Patent Number: US2002194645-A1; WO2003017751-A2; EP1411762-A2; AU2002305492-A1; US6828478-B2; ZA200308671-A; BR200209498-A; AU2002305492-B2; NZ529628-A; NZ555221-A; WO2003017751-A3. Inventors: M. Yanofsky, **S. Pelaz** y G. Ditta. UCSD

Participation in Funded Projects

2019-2023 José Luis Riechmann, director. **Soraya Pelaz**, PI, Guarantor Researcher. CRAG Centro de Excelencia Severo Ochoa (CEX2019-000902S).

2019-2022 **Soraya Pelaz**. Unmasking the mechanism of *RAV* genes in FLOral Repression in Abiotic stress (FLORA). MICIU (PGC2018-095804-B-I00).

2018-2020 José Luis Riechman. Arabidopsis Developmental Genomics. Grups de Recerca Reconeguts i Finançats. AGAUR (2017 SGR 718).

2016-2018 **Soraya Pelaz**. Evolución y función de TEMPRANILLO en el desarrollo de la planta y en las respuestas adaptativas. MINECO (BFU2015-64409-P).

2016-2019 José Luis Riechmann, director. **Soraya Pelaz**, PI, "Garante" Researcher. CRAG Centro de Excelencia Severo Ochoa (SEV-2015-0533).

2014-2016 **Soraya Pelaz**. "Hairy but Aromatic" plants: a possible solution to improve cancer treatment. EXPLORA program. MINECO (BIO2013-50388-EXP).

2014-2016 Paula Suárez-López. Red de Floración. Redes de Excelencia. MINECO (BIO2014-54481REDT).

2014-2017 Luis Matías-Hernández. Use of trichomes as "natural factories" for the pharmaceutical agriculture. In collaboration with Sequentia. Torres Quevedo Program. MINECO (PTQ-13-06459).

2014-2016 José Luis Riechman. Arabidopsis Developmental Genomics. Grups de Recerca Reconeguts i Finançats. AGAUR (2014-SGR-1406).

2012-2015 **Soraya Pelaz**. Modo de acción de los genes *TEMPRANILLO* en el control de la inducción floral y su papel en el desarrollo de la flor. MINECO (BFU2012-033746/BMC).

2013-2014 **Soraya Pelaz**. Co-IP. ICREA conference award 2013. ICREA Workshop: From model systems to crops, challenges for a new era in plant biology. ICREA.

2013 **Soraya Pelaz**. Physiologia Plantarum conference award. ICREA Workshop: From model systems to crops, challenges for a new era in plant biology.

2010-2012 Martin Kater. Flower Power. FINLOMBARDA (Lombardy Region, Italy) *'Call for Technological and Scientific Cooperation Agreements'* (**AGRO-11,** Ref. **16976**).

2009-2012 **Soraya Pelaz**. Desarrollo floral en *Arabidopsis*: función de los genes *TEMPRANILLO*. MICINN (BFU2009-08325/BMC).

2009-2013 Paloma Más Martínez. Grupo de investigación del desarrollo en *Arabidopsis thaliana.* Generalitat de Cataluña (2009 SGR 697).

2009-2011 Paloma Más Martínez. Red de desarrollo y diferenciación celular (REDIVEG). MICINN (BIO2009-07421-E).

2007-2012 Pere Puigdoménech. Centro de Genómica Básica y de orientación Agroalimentaria. MEC (CSD2007-00036) CONSOLIDER Program.

2006-2009 **Soraya Pelaz**. Control genético de la inducción floral y del desarrollo de la flor en Arabidopsis. MEC (BFU2006-00771/BMC).

2006-2008 Jaime Martínez García. Red de desarrollo y diferenciación celular (REDIVEG). MEC (BIO2006-26104-E).

2005-2006 **Soraya Pelaz**. Identificación y caracterización de genes involucrados en el desarrollo de los distintos órganos florales. MCYT (BIO2005-04329).

2002-2005 **Soraya Pelaz**. Identificación y caracterización de genes involucrados en el desarrollo de los distintos órganos florales. MCYT (BIO2002-01261).

2003-2005 Jesús Vicente-Carbajosa. Caracterización genómica de factores transcripcionales DOF en Arabidopsis y arroz. Comunidad de Madrid (07B/0011/2002).

2001-2002 **Soraya Pelaz**. Identificación de genes involucrados en el desarrollo de los distintos órganos florales. MCYT (Ramón y Cajal).

2000-2003 Martin F. Yanofsky. ABCD model of flower organ identity. USDA.

1997-2001 Martin F. Yanofsky. Role of *APETALA1* in regulating flowering in *Arabidopsis*. NIH (R01 GM 55328-02).

1997-2000 Martin F. Yanofsky. Functional analyses of MADS-box genes in *Arabidopsis*. National Science Foundation (IBN-9728402)

1998-1999 Robert J. Schmidt. Control of flower initiation in *maize*. MONTSANTO/BIOSTAR (S97-68)

1994-1998 Ginés Morata. Control genético de la morfogénesis y la proliferación celular en *Drosophila*. DGICYT (PB93-0174).

1994-1996 Giovanni Giudice. A new test for developmental toxicology with a multisystem approach. European Commission Biotechnology Program (BIO2 CT93-0394).

1994-1997 Ginés Morata. Functional Analysis of Homeotic genes in *Drosophila* and in Vertebrates. Human Frontier Science Program (RG0372/1994)

1991-1993 Ginés Morata. Control genético de la morfogénesis y la proliferación celular en *Drosophila*. DGICYT (PB92-0110).

1988-1990 Ginés Morata. Control Genético de la Proliferación Celular en *Drosophila*. DGICYT (PB87-0465).

International Stays

2018 New York Botanical Garden, 1 month. *Aristolochia* RAV genes expression pattern.

2016 New York University, 6 months. *RAV* gene evolution in rice adaptive responses to salinity and water availability: a future biotechnological tool to confront global climate change.

2015 New York Botanical Garden, 3 months. Role of *TEMPRANILLO* genes in plant evolution and in intra-species adaptation.

2013 New York Botanical Garden, 3 months. Evolutionary conservation of *TEMPRANILLO* genes and their role in artemisinin accummulation in *Artemisia annua*.

2002 UCSD, La Jolla, USA. 1 month. Roles of *SEPALLATA* and *AGL3* genes in flower development.

1999 Max-Planck-Institut für Züchtungsforschung, Koln, Germany. 1 month. Screening for insertions of En-1 transposon in the MADS-box genes.

1999 Center for Plant Breeding and Reproduction Research, Wageningen, The Netherlands. 1 month. Screening the I-Ten5 transposon collection for insertions in MADS-box genes.

1997 UNAM, Mexico DF, Mexico. 1 week. Invited as a teacher of *in situ* hybridization in *Arabidopsis*.

1996 UCSD, La Jolla, USA. 5 years. *Arabidopsis* flower development, in Dr. Matin Yanofsky's laboratory.

Doctoral Theses

14 de Septiembre de 2016	Andrea Aguilar Jaramillo. Implicación de los genes de la familia RAV en el desarrollo floral. Universidad Autónoma de Barcelona. Excelente *cum laude*.
30 de Octubre de 2013	Esther Marín González. Control de la floración por los genes TEMPRANILLO en respuesta a señales ambientales

y endógenas. Universidad Autónoma de Barcelona. Excelente *cum laude*.

28 de Julio de 2008 — Maida Romera-Branchat. Caracterización de nuevos factores de transcrición implicados en el desarrollo de la flor y del fruto en *Arabidopsis thaliana*. Universidad de Barcelona. Excelente *cum laude*.

Masters Theses and TFGs

September 2019 — Jonice van Oss. RAV genes function along the green tree of life: an evolutionary developmental approach from moss to flowering plants. HAS University of Applied Sciences.

Julio 2018 — Jan Sala. TEM transcription factors modulate plant development in response to salt stress. Universidad Autónoma de Barcelona. Master "Biología y Biotecnología Vegetales"

Junio 2012 — Andrea Jaramillo. Estudio de la inducción floral en *Arabidopsis* y la implicación de la familia RAV en este proceso. Universidad Autónoma de Barcelona. Master "Biología y Biotecnología Vegetales"

Septiembre 2009 — Esther Marín. Desarrollo floral en *Arabidopsis*: función de los genes *TEMPRANILLO*. Universidad Autónoma de Barcelona. Master "Biología y Biotecnología Vegetales"

Septiembre 2005 — Maida Romera-Branchat. Identificación y caracterización de genes nuevos implicados en el desarrollo floral de *Arabidopsis thaliana*. Universidad de Barcelona. DEA at Facultad de Farmacia.

Invited Speaker

June 2019 — Workshop on molecular mechanisms controlling flower development. TEMs together with MCs repress flowering and drought escape. Presquile de Giens, France.

April 2019 — Max Planck Institute for Plant Breeding Research. TEMPRANILLO function in floral repression. Cologne, Germany.

September 2018 — PlantAdapt 2018. Silencing reveals novel roles for RAV genes in flowering and carpel development in rice. Banyuls, France.

2017-current — "Plant Biology, Genomics and Biotechnology" UAB-UB-CRAG Master degree, teaching reproductive development.

November 2016	Flowering Network, 2nd REDFLOR meeting. TEM roles in other species. Barcelona, Spain
March 2016	TEMPRANILLO genes link flowering and trichome formation. Center for Genomics and Systems Biology at New York University, New York, USA.
June 2015	Workshop on Mechanisms Controlling Flower Development. Aiguablava, Girona, Spain.
June 2013	Workshop on Mechanisms Controlling Flower Development. Hyeres Les Palmiers, France.
October 2012	10th International Congress of Plant Molecular Biology, Jeju, South Korea. Two different sessions: Control of flowering: "Role of *TEMPRANILLO* genes in floral transition", and Flower development: "The *WOX13* homeobox gene promotes replum formation in *Arabidopsis*".
November 2011	Università degli Studi di Milano, Milan. Invited by Dr. M. Kater. Role of *TEMPRANILLO* genes in flowering time
June 2011	Workshop on Molecular Mechanisms Controlling Flower Development. *TEMPRANILLO* integrates photoperiodic and GA signals to control flowering. Maratea, Italy.
July 2010	20th Internacional Conference on Plant Growth Substances. *Arabidopsis* floral development: role of the *TEMPRANILLO* genes. Invited talk by Paula McSteen, PhD.
January 2010	Centro de Biotecnología y Genómica de Plantas, Madrid. Papel de los genes *TEMPRANILLO* en la inducción floral. Invited by Dr. Isabel Allona.
October 2009	Master "Biologia del desenvolupament i genetica. Analisi genetica avançada i genomica funcional" "Desarrollo floral en Arabidopsis: control de la inducción floral e identidad de los órganos florales". Invited profesor by Dr. Montse Corominas.
June 2009	Society for Expreimental Biology Annual Main Meeting. Glasgow, (Great Britain). The balance between CONSTANS and TEMPRANILLO controls floral induction. Invited speaker.

June 2009	Workshop on Mechanisms Controlling Flower Development. Aiguablava, Girona (Spain). The balance between CONSTANS and TEMPRANILLO controls floral induction. Invited speaker and chairwoman.
Febrero 2009	IBMCP. Valencia. El balance CONSTANS/TEMPRANILLO determina el tiempo de floración en *Arabidopsis.* Invited by Jesús Ángel Sánchez Navarro.
October 2008	Conferencias del Departamento de Genética de la Facultad de Biología. Universidad de Barcelona. A quantitative balance between promotive and repressor activities controls flowering time. Invited by Dr. Marc Valls.
June 2007	Section Talk of Molecular Mechanisms Controlling Flower Development Workshop. Maratea (Italy). The *TEMPRANILLO* genes of the *Arabidopsis RAV* family act in the photoperiod pathway to directly repress *FT* expression.
August 2006	Section Talk of 8th International Conference of Plant Molecular Biology. Adelaide, Australia. An *Arabidopsis* RAV gene represses *FT* expression and extremely delays flowering.
April 2006	IRTA. Cabrils, Barcelona. Control genético de la inducción floral y del desarrollo de la flor en *Arabidopsis*. Invited by Dr. Arús.
March 2006	Laboratory of Reproduction and Development of Plants. IFR128 BioSciences Lyon-Gerland. Lyon, Francia. Genetic control of floral induction and flower development in *Arabidopsis*. Invited by Dr. Mohammed Bendahmane.
May 2005	PhD course "Biotecnología Vegetal". Dpto. de Biotecnología and Dpto. de Genética of University of Barcelona.
November 2004	Università degli Studi di Milano, Milan. Invited by Dr. M. Kater
April 2004	Parc Científic de Barcelona, Barcelona. Invited by Dr. Màrius Rubiralta and Dr. Ferran Azorín.
March 2004	Jena, Germany. Invited by Günter Theissen.
July 2003	IBMB, Barcelona. Invited by Dr. Pere Puigdomenech.
February 2003	ETSIA, Madrid. Invited by Dra. Pilar Carbonero.

June 2002	CNB, Madrid. Invited by Dr. Miguel Torres.
May 2001	INIA, Madrid. Invited by Dr. Covadonga Alonso.
March 2001	CNB, Madrid. Invited by Dr. José Miguel Martínez-Zapater.
February 2001	IBMCP, Valencia. Invited by Dr. Miguel Angel Blázquez.
March 2000	Salk Institute, La Jolla, CA, USA. Invited by el Dr. Detlef Weigel.
September 1998	Salk Institute, La Jolla, CA, USA. Invited by Dr. Detlef Weigel.

Reviewer

2020	Coordinator of the external evaluation committee of the life and medical sciences of the ICREA Acadèmia awards.
2020	Member of the Evaluation Panel of the Biotechnology sub-section of the AEI for I+D+i Projects (MICIU).
2019-2021	Editor of Plants, Plant Development and Morphogenesis section.
2018	Member of the Evaluation Panel of Ramón y Cajal contracts of Fundamental and Systems Biology of MINECO.
2015	Edition of the special issue “From model systems to crops”. Physiologia Plantarum. Volumen 155 (1).
2014	Appointed Member of the Editorial Board of Peer J.
2013	Reviewer for the *European Research Council Executive Agency*, "ERCEA", FP7 *"Ideas" Specific Programme*. ERC advanced Grants.
2011	“Grants to stimulate new initiatives and support high quality research” at University of Leuven through the Research Council K.U.Leuven. Belgium.
2010	Appointed evaluator Innovational Research Incentives Scheme Vidi 2010 CW (Netherlands).
2008-2011	Appointed evaluator of Laboratories for excellence of the Investments for the future program from ANR (French Nacional Research Agency).

2009-current	Editor of Physiologia Plantarum.
2008	Expert Adviser appointed by the Associate Professorship Board of the Faculty of Natural Resources and Agricultural Sciences of the Swedish University of Agricultural Sciences.
2008	Moderadora de la Sesión: Trasgénesis de plantas y mejora de especies. XXXI Congreso de la Sociedad Española de Bioquímica y Biología Molecular.
2007-2008	AGAUR (Agencia de Gestión de Ayudas Universitarias y de Investigación, Cataluña).
2002-current	ANEP (Agencia Nacional de Evaluación y Prospectiva).
2003-current	Reviewer for International Journals such as Current Biology, Plos Genetics, Nucleic Acids Research, PNAS, Plos One, Plant Cell, Plant Cell Reports, Botany, Physiologia Plantarum, Plant Journal, Annals Botany, International Journal of Developmental Biology, Plant Science, Tree Physiology, Plant Cell Reports, Plant Molecular Biology.

Meetings and Workshops

2019 Flower Development Workshop. *RAV* gene function along the green tree of life. Ignacio Cota, Unai Cereijo and **Soraya Pelaz**. Presquile de Giens, France.

2019 Flower Development Workshop. TEMs together with MYCs repress flowering and drought escape. Michela Osnato, Luis Matias-Hernandez, Simona Masiero and **Soraya Pelaz**. Presquile de Giens, France.

2018 Deciphering the role of Arabidopsis TEM floral repressors in adaptive growth. Michela Osnato, Luis Matias-Hernandez, Simona Masiero, **Soraya Pelaz**. Valencia, Spain.

2018 ASPB 2018 Plant Biology Annual Meeting. Silencing reveals novel roles for RAV genes in flowering and carpel development in rice. Michela Osnato, Luis Matias-Hernandez, Andrea Aguilar-Jaramillo, Martin M. Kater and **Soraya Pelaz**. Montreal, Canada.

2017 Joint Congress 2017 (SEBC, SEG and SEBD). Silencing reveals novel roles for RAV genes in heading date and carpel development in rice. Michela Osnato and **Soraya Pelaz**. Gijón, Spain.

2017 XXII Reunión de la Sociedad Española de Fisiología Vegetal. RAV genes control Heading date and carpel development in crop species. Michela Osnato, Luis Matías Hernández, Andrea E. Aguilar Jaramillo, Martin M. Kater and **Soraya Pelaz**. Barcelona, Spain.

2017 XXII Reunión de la Sociedad Española de Fisiología Vegetal. TEMPRANILLO regulates developmental timing in part through the age-dependent pathway. Andrea E. Aguilar Jaramillo, Esther Marín González, Luis Matías Hernández, Michela Osnato, **Soraya Pelaz** and Paula Suárez López. Barcelona, Spain.

2017 XXII Reunión de la Sociedad Española de Fisiología Vegetal. AAMYB1, and its orthologue ATMYB61, affect terpene metabolism and trichome development in artemisia annua and arabidopsis thaliana. Luis Matias Hernandez, Weimin Jiang, Ke Yang, Kexuan Tang, Peter E Brodelius, **Soraya Pelaz**. Barcelona, Spain.

2016 Flowering Network, 2nd REDFLOR meeting. TEM roles in other species. **Soraya Pelaz**. Barcelona, Spain.

2016 XIII Reunión de la Sociedad Española de Fisiología Vegetal. Regulation of developmental timing by TEMPRANILLO through the age-dependent pathway. Andrea E. Aguilar-Jaramillo, Esther Marín-González, Luis Matías-Hernández, **Soraya Pelaz** and Paula Suárez-López. Oviedo, Spain.

2016 Gordon Research Conference. Plant Molecular Biology. OsRAV genes control heading date and carpel development in rice. Michela Osnato, Luis Matias-Hernandez, Andrea E. Aguilar-Jaramillo, Martin M. Kater and **Soraya Pelaz**. Holderness, NH, USA.

2015 Workshop on mechanisms controlling flower development. *TEMPRANILLO* genes link flowering and trichome initiation by controlling hormones accumulation. Luis Matías-Hernández, Andrea E. Aguilar-Jaramillo, Esther Marín-González, Michela Osnato, Paula Suárez-López and Soraya Pelaz. Aiguablava. Spain. Keynote Speaker.

2015 Workshop on mechanisms controlling flower development. Regulation of developmental timing by TEMPRANILLO through miR156 and SPL genes Andrea E. Aguilar-Jaramillo, Esther Marín-González, Luis Matías-Hernández, Soraya Pelaz and Paula Suárez-López. Aiguablava. Spain. Flash Talk.

2015 The 26th Conference on Arabidopsis Research. TEMPRANILLO regulates age pathway at different levels. Andrea E. Aguilar-Jaramillo, Esther Marín-González, Luis Matías-Hernández, Soraya Pelaz and Paula Suárez-López. Paris, France. Poster.

2015 Challenges and prospects in PNP metabolic engineering and production. COST Action. A novel R2R3 AaMYB1 promotes artemisinin and gibberellins biosynthesis as well as trichome development. Yang K., Matías-Hernández L., Pelaz S., Brodelius P.E. Naples, Italy. Poster.

2014 ICREA Workshop: From model systems to crops, challenges for a new era in plant biology. TEMPRANILLO entangles mesophyll and hormones signaling in trichome initiation. Luis Matías-Hernández, Andrea Aguilar, Michela Osnato, Paula Suárez-López and Soraya Pelaz. Barcelona, Spain. Poster.

2014 ICREA Workshop: From model systems to crops, challenges for a new era in plant biology. Role of TEMPRANILLO genes in age-dependent developmental regulation. Paula Suárez-López, Esther Marín-González, Andrea Aguilar-Jaramillo, Luis Matías-Hernández and Soraya Pelaz. Barcelona, Spain. Poster.

2014 ICREA Workshop: From model systems to crops, challenges for a new era in plant biology. Role of RAV1 and RAV1-like genes in floral induction. Andrea Aguilar-Jaramillo, Luis Matías-Hernández and Soraya Pelaz. Barcelona, Spain. Poster.

2014 Cell Symposia - Regulatory RNAs. Regulation of a miRNA involved in plant developmental timing by two transcription factors. Esther Marín-González,

Andrea E. Aguilar-Jaramillo, Luis Matías-Hernández, Soraya Pelaz and Paula Suárez-López. San Francisco, USA. Poster.

2013 Workshop on Mechanisms Controlling Flower Development. Role of the *TEMPRANILLO* genes in different flowering pathways. Paula Suárez-López, Esther Marín-González, Luis Matías-Hernández, Andrea Aguilar, Michela Osnato and Soraya Pelaz. Hyeres Les Palmiers, France. Keynote speaker.

2013 Workshop on Mechanisms Controlling Flower Development. Count how many Trichomes I have and I will tell you how early I flower… Luis Matías-Hernández, Andrea Aguilar, Esther Marín-González, Paula Suárez-López and Soraya Pelaz. Hyeres Les Palmiers, France. Flash Talk.

2012 10th International Congress of Plant Molecular Biology. Role of *TEMPRANILLO* genes in floral transition. Esther Marín-González, Luis Matías-Hernández, Andrea Aguilar, Michela Osnato, Cristina Castillejo, Paula Suárez-López and Soraya Pelaz. Jeju, South Korea. Invited speaker.

2012 10th International Congress of Plant Molecular Biology. The *WOX13* homeobox gene promotes replum formation in *Arabidopsis*. Maida Romera-Branchat, Juan José Ripoll, Martin F. Yanofsky and Soraya Pelaz. Jeju, South Korea. Invited speaker.

2012 23rd International Conference in *Arabidopsis* Research. Unravelling the role of TEMPRANILLO genes in different flowering-time pathways. Esther Marín-González, Paula Suárez-López and Soraya Pelaz. Viena, Austria. Poster.

2011 Workshop on Molecular Mechanisms Controlling Flower Development. *TEMPRANILLO* integrates photoperiodic and GA signals to control flowering. **Soraya Pelaz**. Maratea, Italy. Keynote speaker.

2011 Interplay of light, photoperiodism and circadian clock function in plant development. *TEMPRANILLO* integrates photoperiodic and GA signals to control flowering. Michela Osnato, Esther Marín and **Soraya Pelaz**. Poster.

2010 20th Internacional Conference on Plant Growth Substances (Tarragona, Spain). *Arabidopsis* floral development: role of the *TEMPRANILLO* genes. **Soraya Pelaz**. Invited speaker.

2010 21st International Conference in *Arabidopsis* Research. Role of the *TEMPRANILLO* genes in *Arabidopsis* flower development. Michela Osnato, Esther Marín and **Soraya Pelaz**. Yokohama, Japan. Poster.

2009 Societat Catalana de Biologia. VII Jornada de Fisiologia Vegetal. The quantitative balance between TEMPRANILLO and CONSTANS activities controls florigen (FT) levels to trigger flowering. Barcelona, Spain. Invited speaker.

2009 Society for Experimental Biology Annual Main Meeting. The balance between CONSTANS and TEMPRANILLO controls floral induction. **Soraya Pelaz**. Glasgow, United Kingdom. Invited speaker.

2009 Workshop on Mechanisms Controlling Flower Development. The balance between CONSTANS and TEMPRANILLO controls floral induction. Cristina Castillejo and **Soraya Pelaz**. Aiguablava, Spain. Invited speaker.

2009 2nd Languedoc Rousillon-Catalogne meeting on Plant Integrative Biology. Role of the *TEMPRANILLO* genes in floral transition. Michela Osnato, Esther Marín, Cristina Castillejo and **Soraya Pelaz**. Roses. Spain. Invited talk.

2007 18th international conference on *Arabidopsis* research. The *TEMPRANILLO* genes of the *Arabidopsis RAV* family act in the photoperiod pathway to directly repress *FT* expression. Cristina Castillejo and **Soraya Pelaz**. Beijing, China. Poster.

2007 18th international conference on *Arabidopsis* research. *HD9* homeobox gene is involved in *Arabidopsis* fruit development. Maida Romera-Branchat and **Soraya Pelaz**. Beijing, China. Poster.

2007 18th international conference on *Arabidopsis* research. *AtBLH6* Homeobox gene affects flowering time and floral organ development. Cristina Silva and **Soraya Pelaz**. Beijing, China. Poster.

2007 Molecular Mechanisms Controlling Flower Development Workshop. The *TEMPRANILLO* genes of the *Arabidopsis RAV* family act in the photoperiod pathway to directly repress *FT* expression. Cristina Castillejo and **Soraya Pelaz**. Maratea, Italy. Invited speaker.

2006 8th International Conference of Plant Molecular Biology. An *Arabidopsis* RAV gene represses FT expression and extremely delays flowering. Cristina Castillejo and **Soraya Pelaz**. Adelaide, Australia. Invited speaker.

2006 17th international conference on *Arabidopsis* research. A *RAV* gene negatively regulates *FT* expression and extremely delays flowering. Cristina Castillejo and **Soraya Pelaz**. Madison, USA. Invited speaker.

2006 VIII Reunión de Biología Molecular de Plantas. An *Arabidopsis* RAV gene represses FT expression and extremely delays flowering. Cristina Castillejo and **Soraya Pelaz**. Pamplona, Spain. Poster.

2006 VIII Reunión de Biología Molecular de Plantas. *AtBLH6* homeobox gene affects flowering time and floral organ development. Cristina Silva and **Soraya Pelaz**. Pamplona, Spain. Talk.

2006 VIII Reunión de Biología Molecular de Plantas. Caracterización de los nuevos MADS box, *AGL86* y *AGL92* y su implicación en el desarollo floral. Maida Romera-Branchat, Cristina Castillejo and **Soraya Pelaz**. Pamplona, Spain. Poster.

2005 Internacional Workshop on MADS-box Transcription Factors. A new role of the *Arabidopsis SEPALLATA3* gene revealed by its constitutive expression. Cristina Castillejo, Maida Romera-Branchat and **Soraya Pelaz**. Gargnano, Italy. Invited speaker.

2005 Summer School in Plant Development. Study of *AGL86* and *AGL92* MADS box genes during *Arabidopsis* flower development. Maida Romera-Branchat, Cristina Castillejo y Soraya Pelaz. Maratea, Italy. Talk.

2004 18enes Trobades Franco-Espanyoles. Sant Hilary Sacalm, Spain. Flower development. Cristina Castillejo, Maida Romera and **Soraya Pelaz.**

2004 VII Reunión de Biología Molecular de Plantas. Benalmádena, Spain. Análisis funcional de los genes TOWER OF PISA, su papel en el desarrollo del fruto en la señalización por auxinas en *Arabidopsis*. Marina Trigueros, Shusei Sato, Sioux Christensen, **Soraya Pelaz**, Detlef Weigel, Martin Yanofsky and Cristina Ferrándiz.

2003 17èmes recontres franco-espagnoles. St Laurent de la Salanque, France. The ABC of the flowers. **Soraya Pelaz.** Openning lecture.

2003 7th International Congress of Plant Molecular Biology. Barcelona, Spain. *SOC1-LIKE AGL14* and *AGL19* MADS-box genes regulate *Arabidopsis thaliana* root growth and development. Enrique Ortiz-Moreno, Sun-Hyung Kim, Amanda Ochoa-Espinosa, Caroline Burgeff, Rosalinda Tapia-López, León Martínez-Castilla, Joseph Dubrovsky, Gary S. Ditta, **Soraya Pelaz**, Martin F. Yanofsky and Elena R. Álvarez-Buylla

2002 13th International Conference on *Arabidopsis* Research. Seville, Spain. Roles of *SEPALLATA* and *AGL3* genes in flower development. **Soraya Pelaz**, Gary S. Ditta, Anusak Piniopich and Martin F. Yanofsky

2001 III Congress of the Spanish Society of Developmental Biology. Málaga, España. An Analysis of fruit development in *Arabidopsis thaliana*. Cristina Ferrándiz, Shusei Sato, **Soraya Pelaz**, Sioux Christensen, Detlef Weigel, Juan J. Ripoll, Antonio Martínez Laborda, Antonio Vera and Martin F. Yanofsky

2000 11th International Conference on *Arabidopsis* Research. Madison, Wisconsin, USA. B and C floral organ identity functions require *SEPALLATA* MADS-box genes. **Soraya Pelaz**, Gary S. Ditta, Elvira Baumann, Ellen Wisman, and Martin F. Yanofsky

1999 V Reunión de Biología Molecular de Plantas. Alicante, Spain. "*AGL2*, *AGL4* y *AGL9* sirven de nexo de unión entre los genes de identidad de meristemo floral y los de órgano floral". **Soraya Pelaz** and Martin F. Yanofsky.

1998 "Mechanisms in plant development". FASEB Summer Research Conferences. Saxtons River, Vermont, USA. "AGL9 interacts with APETALA1 during *Arabidopsis* flower development". **Soraya Pelaz**, Cindy Gustafson-Brown, Susanne Kohalmi, Bill Crosby and Martin Yanofsky.

1997 "Plant Morphogenesis". Instituto Juan March de Estudios e Investigaciones. Madrid, Spain. "Isolation of genes whose products interact with APETALA1 and CAULIFLOWER using the yeast 2-hybrid system". **Soraya Pelaz**, Cindy Gustafson-Brown, Susanne Kohalmi, Bill Crosby and Martin Yanofsky.

1997 8th International Conference on *Arabidopsis* Research. Madison, Wisconsin, USA. "Isolation of genes whose products interact with APETALA1 and CAULIFLOWER using the yeast 2-hybrid system". **Soraya Pelaz**, Cindy Gustafson-Brown, Susanne Kohalmi, Bill Crosby and Martin Yanofsky.

1995 "Cell lineage Analysis in plants" Professor F. Salamini. Universidad Complutense de Madrid. Madrid, Spain.

1994 *Drosophila* meeting in Crete. "The function of the *extradenticle* gene". Sergio González-Crespo, **Soraya Pelaz** and Ginés Morata.

1992 "Molecular and cellular interactions in the development of *Drosophila*". Instituto Juan March de Estudios e Investigaciones. Cuenca, Spain.

1991 XXVI Jornadas Luso-Espanholas de Genética. "Regulación de los genes homeóticos de *Drosophila*". **Soraya Pelaz** and Ginés Morata.

1991 Drosophila meeting in Boldern, Switzerland. "*Ubx* regulation". **Soraya Pelaz** and Ginés Morata.

1988 "El papel de los oncogenes en el crecimiento y diferenciación celular". Universidad Menéndez Pelayo in Santander directed by Julio R. Villanueva.

Outreach Activities

"Mutant Plants" workshop for school children. March 10th-13th, 2020. https://www.youtube.com/watch?v=JNHzFcQbXbo

"Mutant Plants" workshop for school children. November 14th and 15th during Science week, 2019. https://www.youtube.com/watch?v=JNHzFcQbXbo

23ª Dia de la ciència a las escoles. ¿Ojos, pelos…? ¿Hablamos de plantas? Institut Maremar. El Masnou, Barcelona. November 7th, 2018

Participation in the Program CROMA2.0 with the workshop "Mutant Plants" as educative project for vulnerable kids of 21 schools at Vallès Occidental in collaboration with CRECIM. 2018

Participation in DEUWATTS program sobre *Flors i Ciència*. April 2018. https://beteve.cat/deuwatts/deuwatts-flors-i-ciencia/

Participation "Open Mind Week" del Hamelin-Laie International School con la charla-taller ¿Ojos, pelos…? ¿Estamos hablando de plantas? Febrero 14th, 2018.

Worldwide media coverage on our study about obtaining plants that double the production of artemisin April 10th, 2017. (https://www.cragenomica.es/crag-in-the-media/transgenic-plants-against-malaria-media).

22ª Dia de la ciència a las escoles. ¿Ojos, pelos…? ¿Hablamos de plantas? Institut d'Argentona. Argentona, Barcelona. November 15th, 2017.

"Mutant Plants" workshop for school children. May 18-19th and November Science week, 2017. https://www.youtube.com/watch?v=JNHzFcQbXbo

CRAG Open day, May 20th, 2017 (Fourth International Fascination of plants day). Experimental station of "Flowers and Hairs".

19ª Dia de la ciència a las escoles. Las flores aprenden el abecedario. IES Premià de Mar. November 2014.

Participation in Lab24 program of RTVE canal 24 horas. June 2014.
http://www.rtve.es/alacarta/videos/lab24/lab24-metabolismo-secreto-plantas/2565646/#aHR0cDovL3d3dy5ydHZlLmVzL2FsYWNhcnRhL2ludGVybm8vY29udGVudHRhYmxlLnNodG1sP3BicT0xNCZvcmRlckNyaXRlcmlhPURFU0MmbW9kbD1UT0Mm

bG9jYWxlPWVzJnBhZ2VTaXplPTE1JmN0eD03NDk5MyZhZHZTZWFyY2hPcGVuPWZhbHNl

Participación en la elaboración del vídeo divulgativo del CSIC “Exposición virtual sobre los organismos modelo” Inauguración Junio 2011 http://www.seresmodelicos.csic.es/

Flores. Programa TRES14 en TVE. Mayo 2011
http://www.rtve.es/television/20110515/flores/429585.shtml

11ª Setmana de la Ciencia. Día en las escuelas. Las flores aprenden el abecedario. IES Bagà. November 2006

10ª Setmana de la Ciencia. Día en las escuelas. Las flores aprenden el abecedario. IES Jaume Callís de Vic. November 2005.

9ª Setmana de la Ciencia. “El misteri de les flores: les flors aprenen l'alfabet”. IES Joaquim Rubió i Ors. Sant Boi de Llobregat, Spain. November 2004.

8ª Setmana de la Ciencia. Desarrollo de los órganos florales. Las flores aprenden el abecedario. Palau Firal i de Congresos, Tarragona y Universitat de Lleida, Lleida. November 2003.