

CURRICULUM VITAE

José Luis Riechmann

January 2011

ICREA Research Professor

www.icrea.cat/Web/ScientificForm.aspx?key=444

Center for Research in Agricultural Genomics (CRAG) CSIC-IRTA-UAB

Campus de la Universitat Autònoma de Barcelona
Edifici CRAG
Bellaterra (Cerdanyola del Vallès)
08193 Barcelona, SPAIN

Telephone: (34) 935636600 (operator)
Fax: (34) 935636601
E-mail: jose.riechmann@cid.csic.es

Visiting Associate

California Institute of Technology, Division of Biology 156-29, 1200 E. California Blvd.,
Pasadena, CA91125, USA

E-mail: jriechma@caltech.edu

PAST APPOINTMENTS

2004 – 2008 Research Faculty (Senior Research Associate), California Institute of
Technology.
2002 – 2008 Director, Millard and Muriel Jacobs Genetics and Genomics Laboratory,
California Institute of Technology.
1999 – 2002 Visitor in Biology, California Institute of Technology.
1998 – 2002 Senior Scientist / Team Leader, Mendel Biotechnology, Inc.

EDUCATION

Postdoctoral: 1/1993-3/1998. California Institute of Technology. Advisor: Dr. Elliot
Meyerowitz. Molecular biology of flower development in *Arabidopsis thaliana*.
5/1991-12/1992. Centro de Biología Molecular-Universidad Autónoma de
Madrid (Spain). Advisor: Dr. Juan A. García. Molecular biology of Plum Pox
Potyvirus.

- Graduate:** 1/1988-4/1991. Centro de Biología Molecular-Universidad Autónoma de Madrid (Spain). PhD in Sciences (Molecular Biology and Biochemistry) with highest honors *summa cum laude*. Thesis: "Infectious *in Vitro* Transcripts from a Plum Pox Potyvirus cDNA Clone: Its Application to PPV Molecular Biology Studies". Advisor: Dr. Juan A. García.
- Undergraduate:** 9/1982-6/1987. Biology (Molecular Biology and Biochemistry). Universidad Autónoma. Madrid.

HONORS and FELLOWSHIPS

- 1995-96 Plan de Formación de Personal Investigador Postdoctoral fellowship, MEC, Spain.
 1993-94 EMBO Long Term Postdoctoral Fellowship.
 1991-92 Consejo Superior de Investigaciones Científicas postdoctoral fellowship, Spain.
 1988-91 Plan de Formación de Personal Investigador, doctoral fellowship, MEC, Spain.
 1986-87 Universidad Autónoma de Madrid undergraduate fellowship, Spain.

1st Doctorate Special Award (Biology) -1992. Universidad Autónoma de Madrid, Spain.

Award for outstanding PhD Thesis -1992. Caja de Madrid, Spain.

RESEARCH EXPERIENCE

- 2008 – present. ICREA Research Professor. Center for Research in Agricultural Genomics. *Arabidopsis* flower development: gene regulatory networks.
- 2002 – 2008. Director, Millard and Muriel Jacobs Genetics and Genomics Laboratory, Caltech. Genome-wide analyses of gene expression, gene expression in *Arabidopsis* flower development, microRNAs in *Arabidopsis*, microarray technology.
- 1998 – 2002. Senior Scientist at Mendel Biotechnology, Inc. *Arabidopsis* functional genomics, transcription factors.
- 1999 – 2002. Visitor in Biology in Dr. Elliot Meyerowitz's laboratory, California Institute of Technology. DNA microarrays to study *Arabidopsis* flower development.
- 1993 – 1998. Postdoctoral research in Dr. Elliot Meyerowitz's laboratory, California Institute of Technology. Molecular biology and genetics of *Arabidopsis* flower development.
- 1988 – 1992. Graduate and postdoctoral research with Dr. Juan A. García, Centro de Biología Molecular. Molecular biology of Plum Pox Virus.

PROFESSIONAL AND SYNERGISTIC ACTIVITIES

Co-Founder, Veracron, Inc., a technology company in the field of biosensors (June 2007).

Contributing Faculty Member in FACULTY OF 1000 BIOLOGY, Plant Genetics and Gene Expression section (since 2003).

Scientific Advisory Board Member, Institute for Integrative Genome Biology, University of California at Riverside (2007).

Instructor on a NSF-funded training workshop for science high school teachers: “The ABCs of Developmental Botany; Integrating Plants into the High School Classroom”, Huntington Library and Botanical Gardens, Pasadena (August 23-27, 2004; July 11-15, 2005; July 17-21, 2006; July 9-20, 2007; July 21-August 1, 2008; July 13-17, 2009). The workshop was part of a 5 year **educational outreach initiative** program administered through the National Science Foundation on a “Frontiers in Integrative Biological Research” grant called the Computable Plant (proposal 6230979). The course was geared to high school level biology teachers who were looking to enrich their classroom with inquiry-based lessons using plants. These lessons did not only incorporate state and federal standards for biological sciences, but expanded on them, including state-of-the-art techniques and information.

Editorial Boards: Applied Genomics and Proteomics (2002-2004).

AWARDS AND GRANTS

Agencia de Gestió d’Ajuts Universitaris I de Recerca (AGAUR), program Suport als Grups de Recerca de Catalunya (SGR-2009), grant 2009 SGR 476. “Arabidopsis Developmental Genomics”. José Luis Riechmann (Center for Research in Agricultural Genomics -CRAG-) (PI). 2009-2013.

Ministerio de Ciencia e Innovación, Plan Nacional de I+D+I, grant BFU2008-04251/BMC. “Genomic analyses of the regulatory network of flower development in Arabidopsis”. José Luis Riechmann (Center for Research in Agricultural Genomics -CRAG-) (PI). 01/01/2009-31/12/2011.

Marie Curie International Reintegration Grant (European Commission, FP7-PEOPLE-2007-4-3-IRG), grant IRG224864-GEANARAFDEV. “Genomic Analyses of Arabidopsis Flower Development: sORFs, miRNAs, and transcription factor-coding genes”. José Luis Riechmann (Center for Research in Agricultural Genomics -CRAG-) (PI). 4/2008-3/2012

National Science Foundation (NSF) grant MCB-0520193 (2010 Project). “2010 Arabidopsis: Genomic Analyses of Arabidopsis miRNAs: Their Roles in Flower Development.” José Luis Riechmann (Caltech) (PI), Elliot M. Meyerowitz (Caltech) (Co-PI). 09/01/05-08/31/09

Environmental Protection Agency (EPA) STAR grant RD832525. “Cellular uptake and toxicity of dendritic nanomaterials: an integrated physicochemical and toxicogenomics study”. Mamadou Diallo (Caltech) (PI), William A. Goddard (Caltech) (Co-PI), José Luis Riechmann (Caltech) (Co-PI). 07/01/05-06/30/08.

PUBLICATIONS: peer-reviewed articles

- 47.- Ferrier, T., Matus, T., Jin, J. and Riechmann, J.L.* (2011) Arabidopsis paves the way: genomic and network analyses in crops. *Current Opinion in Biotechnology* 22, XX-YY (in press) [Epub ahead of print, doi:10.1016/j.copbio.2010.11.010].
- 46.- Wellmer, F. and Riechmann, J.L.* (2010) Gene networks controlling the initiation of flower development. *Trends in Genetics* 26 (12), 519-527.
- 45.- Kaufmann, K., Wellmer, F., Muiño, J.M., Ferrier, T., Wuest, S.E., Kumar, V., Serrano-Mislata, A., Madueño, F., Krajewski, P., Meyerowitz, E.M., Angenent, G.C., and Riechmann, J.L.* (2010) Orchestration of floral initiation by APETALA1. *Science* 328, 85-89.
- 44.- Hassibi, A., Vikalo, H., Riechmann, J. L., and Hassibi, B.* (2009). Real-time DNA microarray analysis. *Nucleic Acids Research* 37 (20), e132 (doi:10.1093/nar/gkp675).
- 43.- Jiao, Y.*, Riechmann, J.L., and Meyerowitz, E.M. (2008). Transcriptome-wide analysis of uncapped mRNAs in Arabidopsis. *Plant Cell* 20 (10), 2571-2585.
- 42.- Alves-Ferreira, M., Wellmer, F., Banhara, A., Kumar, V., Riechmann, J.L., and Meyerowitz, E.M.* (2007). Global expression profiling applied to the analysis of Arabidopsis stamen development. *Plant Physiology* 145 (3), 747-762.
- 41.- Kannangara, R., Branigan, C., Liu, Y., Penfield, T., Rao, V., Mouille, G., Höfte, H., Pauly, M., Riechmann, J.L., and Broun, P.* (2007). The transcription factor WIN1/SHN1 regulates cutin biosynthesis in *Arabidopsis thaliana*. *Plant Cell* 19 (3), 1278-1294.
- 40.- Sieber, P., Wellmer, F., Gheyselinck, J., Riechmann, J.L., and Meyerowitz, E.M.* (2007). Redundancy and specialization among plant microRNAs: Role of the *MIR164* family in developmental robustness. *Development* 134, 1051-1060.
- 39.- Wellmer, F., Alves-Ferreira, M., Dubois, A., Riechmann, J.L., and Meyerowitz, E.M.* (2006). Genome-wide analysis of gene expression during early Arabidopsis flower development. *PLoS Genetics* 2 (7), e117.
- 38.- Wellmer, F., and Riechmann, J.L.* (2005). Gene network analysis in plant development by genomic technologies. *Int. J. Dev. Biol.* 49, 745-759.
- 37.- Ito, T., Wellmer, F., Yu, H., Das, P., Ito, N., Alves-Ferreira, M., Riechmann, J.L., and Meyerowitz, E.M.* (2004). The homeotic protein AGAMOUS controls microsporogenesis by regulation of *SPOROCTELESS*. *Nature* 430, 356-360.
- 36.- Wagner, D., Wellmer, F., Dilks, K., William, D., Smith, M.R., Kumar, P.P., Riechmann, J.L., Greenland, A.J., and Meyerowitz, E.M.* (2004). Floral induction in tissue culture: a system for the analysis of LEAFY-dependent gene regulation. *The Plant Journal* 39, 273-282.
- 35.- Wellmer, F., Riechmann, J.L., Alves-Ferreira, M., and Meyerowitz, E.M.* (2004). Genome-wide analysis of spatial gene expression in Arabidopsis flowers. *Plant Cell* 16 (5), 1314-1326.

- 34.- Broun, P.,* Pointdexter, P., Osborne, E., Jiang, C.-Z., and Riechmann, J.L. (2004). WIN1, a transcriptional activator of epidermal wax accumulation in Arabidopsis. *Proc. Natl. Acad. Sci. USA* 101 (13), 4706-4711.
- 33.- Ratcliffe, O.J.*, Kumimoto, R.W., Wong, B.J., and Riechmann, J.L. (2003). Analysis of the Arabidopsis *MADS AFFECTING FLOWERING* gene family: *MAF2* prevents vernalization by short periods of cold. *Plant Cell* 15 (5), 1159-1169.
- 32.- Haake, V., Cook, D., Riechmann, J.L., Pineda, O., Thomashow, M. F., and Zhang, J. Z.* (2002). Transcription factor CBF4 is a regulator of drought adaptation in Arabidopsis. *Plant Physiol.* 130, 639-648.
- 31.- Ratcliffe, O.J. and Riechmann, J.L.* (2002). Arabidopsis transcription factors and the regulation of flowering time: a genomic perspective. *Curr. Issues Mol. Biol.* 4, 77-91.
- 30.- Ratcliffe, O.J., Nadzan, G., Reuber, L., and Riechmann, J.L.* (2001). Regulation of Flowering in *Arabidopsis thaliana* by an *FLC* Homologue. *Plant Physiol.* 126, 122-132.
- 29.- Riechmann, J.L.* Heard, J., Martin, G., Reuber, L., Jiang, C.-Z., Keddie, J., Adam, L., Pineda, O., Ratcliffe, O.J., Samaha, R.R., Creelman, R., Pilgrim, M., Broun, P., Zhang, J.Z., Ghandehari, D., Sherman, B.K., and Yu, G.-L. (2000). *Arabidopsis* transcription factors: genome-wide comparative analysis among eukaryotes. *Science* 290, 2105-2110.
- 28.- Chen, X.,* Riechmann, J.L., and Meyerowitz, E.M. (2000). Minimal regions in the *Arabidopsis PISTILLATA* promoter responsive to the *APETALA3/PISTILLATA* feedback control do not contain a CA_nG box. *Sex. Plant Reprod.* 13, 85-94.
- 27.- Riechmann, J.L.* and Ratcliffe, O.J. (2000). A genomic perspective on plant transcription factors. *Curr. Opin. Plant Biol.* 3, 423-434.
- 26.- Ratcliffe, O.J., Riechmann, J.L.,* and Zhang, J.Z.* (2000). *INTERFASCICULAR FIBERLESS 1* is the same gene as *REVOLUTA*. *Plant Cell* 12, 315-317.
- 25.- Saenz, P., Cervera, M.T., Dallot, S., Quiot, L., Quiot, J.-B., Riechmann, J.L., and García, J.A.* (2000). Identification of a pathogenicity determinant of Plum pox virus in the sequence encoding the C-terminal region of protein P3+6K1. *J. Gen. Virol.* 81, 557-566.
- 24.- Riechmann, J.L., Ito, T., and Meyerowitz, E.M.* (1999). Non-AUG initiation of *AGAMOUS* mRNA translation in *Arabidopsis thaliana*. *Mol. Cell. Biol.* 19, 8505-8512.
- 23.- Krizek, B.A.,* Riechmann, J.L., and Meyerowitz, E.M. (1999). Use of the *APETALA1* promoter to assay the in vivo function of chimeric MADS box genes. *Sex. Plant Reprod.* 12, 14-26.
- 22.- Riechmann, J.L. and Meyerowitz, E.M.* (1998). The AP2/EREBP family of plant transcription factors. *Biol. Chem.* 379, 633-646.

- 21.- Riechmann, J.L.* and Meyerowitz, E.M. (1997). MADS domain proteins in plant development. *Biol. Chem.* 378, 1079-1101.
- 20.- Riechmann, J.L. and Meyerowitz, E.M.* (1997). Determination of floral organ identity by *Arabidopsis* MADS domain homeotic proteins AP1, AP3, PI, and AG is independent of their DNA-binding specificity. *Mol. Biol. Cell.* 8, 1243-1259.
- 19.- Riechmann, J.L., Wang, M., and Meyerowitz, E.M.* (1996). DNA-binding properties of *Arabidopsis* MADS domain homeotic proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS. *Nucleic Acids Res.* 24, 3134-3141.
- 18.- Riechmann, J.L., Krizek, B.A., and Meyerowitz, E.M.* (1996). Dimerization specificity of *Arabidopsis* MADS domain homeotic proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS. *Proc. Natl. Acad. Sci. USA* 93, 4793-4798.
- 17.- Riechmann, J.L., Cervera, M.T., and García, J.A.* (1995). Processing of the plum pox virus polyprotein at the P3-6K1 junction is not required for virus viability. *J. Gen. Virol.* 76, 951-956.
- 16.- García, J.A.* Cervera, M.T., Riechmann, J.L., and López-Otín, C. (1993). Inhibitory effects of human cystatin C on plum pox virus proteases. *Plant Mol. Biol.* 22, 697-701.
- 15.- Cervera, M.T.* Riechmann, J.L., Martín, M.T., and García, J.A. (1993). 3'-Terminal sequence of the plum pox virus -PS and -o6 isolates: evidence for RNA recombination within the potyvirus group. *J. Gen. Virol.* 74, 329-334.
- 14.- García, J.A.* Martín, M.T., Cervera, M.T., and Riechmann, J.L. (1992). Proteolytic processing of the plum pox potyvirus polyprotein by the NIa protease at a novel cleavage site. *Virology* 188, 697-703.
- 13.- Riechmann, J.L.* Laín, S., and García, J.A. (1992). Highlights and prospects of potyvirus molecular biology. *J. Gen. Virol.* 73, 1-16.
- 12.- Riechmann, J.L.* Laín, S., and García, J.A. (1991). Identification of the initiation codon of plum pox potyvirus genomic RNA. *Virology* 185, 544-552.
- 11.- Laín, S.* Martín, M.T., Riechmann, J.L., and García, J.A. (1991). Novel catalytic activity associated with positive-strand RNA virus infection: Nucleic acid-stimulated ATPase activity of the plum pox potyvirus helicase-like protein. *J. Virol.* 65, 1-6.
- 10.- Laín, S.* Riechmann, J.L., and García, J.A. (1990). RNA helicase: a novel activity associated with a protein encoded by a positive strand RNA virus. *Nucleic Acids Res.* 18, 7003-7006.
- 9.- García, J.A.* Laín, S., Cervera, M.T., Riechmann, J.L., and Martín, M.T. (1990). Mutational analysis of plum pox potyvirus polyprotein processing by the NI_a protease in *Escherichia coli*. *J. Gen. Virol.* 71, 2773-2779.

- 8.- Riechmann, J.L.,* Laín, S., and García, J.A. (1990). Infectious *in vitro* transcripts from a plum pox potyvirus cDNA clone. *Virology* 177, 710-716.
- 7.- García, J.A.,* Riechmann, J.L., Martín, M.T. and Laín, S. (1989). Proteolytic activity of the plum pox potyvirus NI_a-protein on excess of natural and artificial substrates in *Escherichia coli*. *FEBS Lett.* 257, 269-273.
- 6.- Laín, S.,* Riechmann, J.L., Martín, M.T., and García, J.A. (1989). Homologous potyvirus and flavivirus proteins belonging to a superfamily of helicase-like proteins. *Gene* 82, 357-362.
- 5.- Riechmann, J.L.* Laín, S., and García, J.A. (1989). The genome-linked protein and 5'-end RNA sequence of plum pox potyvirus. *J. Gen.Virol.* 70, 2785-2789.
- 4.- Laín, S.,* Riechmann, J.L., and García, J.A. (1989). The complete nucleotide sequence of plum pox potyvirus RNA. *Virus Res.* 13, 157-172.
- 3.- García, J.A.,* Riechmann, J.L., and Laín, S. (1989). Proteolytic activity of the plum pox potyvirus NI_a-like protein in *Escherichia coli*. *Virology* 170, 362-369.
- 2.- García, J.A.,* Riechmann, J.L., and Laín, S. (1989). Artificial cleavage site recognized by plum pox potyvirus protease in *Escherichia coli*. *J. Virol.* 63, 2457-2460.
- 1.- Laín, S.,* Riechmann, J.L., Méndez, E., and García, J.A. (1988). Nucleotide sequence of the 3' terminal region of plum pox potyvirus RNA. *Virus Res.* 10, 325-342.

PUBLICATIONS: book chapters and sections

- 5.- Jiao, Y. and Riechmann, J.L. Genome-Wide Profiling of Uncapped mRNA. In: *Plant Signaling Networks*, Z. Wang and Z. Yang (eds.), Methods in Molecular Biology, Volume XXX, Humana Press, Springer, New York. (*In preparation by the publisher*)
- 4.- Riechmann, J.L. (2007) Transcription Factors of Arabidopsis and Rice: a genomic perspective. In: *Regulation of transcription in plants*, pp 28-53, K. D. Grasser (ed.), Annual Plant Reviews, Volume 29, Blackwell Publishing, Oxford. ISBN: 978-1-4051-4528-2. DOI: 10.1002/9780470988886.
- 3.- Riechmann, J.L. (2005). Genetic Analysis of Flower Development in *Arabidopsis thaliana*: the ABC Model of Floral Organ Identity Determination. In: *Key Experiments in Practical Developmental Biology*, pp143-152, M. Mari-Beffa and J. Knight (eds.), Cambridge University Press, New York. ISBN: 9780521833158. DOI: 10.2277/0521833159.
- 2.- Riechmann, J.L. (2004). Arabidopsis transcription factors: genome-wide comparative analysis. In: *Encyclopedia of Plant & Crop Science*, pp 51-54, R.M. Goodman (ed.), Marcel Dekker, Inc., New York. ISBN: 9780824709440. DOI: 10.1081/E-EPCS 120010627.

- 1.- Riechmann, J.L. (2002). Transcriptional regulation: a genomic overview. In: *The Arabidopsis Book*, C.R. Somerville and E.M. Meyerowitz (eds.), American Society of Plant Biologists, Rockville, MD. ISSN: 1543-8120. DOI: 10.1199/tab0085, <http://www.aspb.org/publications/arabidopsis/>
<http://www.bioone.org/action/showBook?doi=10.1199%2Ftab.book>

PATENTS

Issued Patents:

United States Patent and Trademark Office (USPTO) (<http://patft.uspto.gov/>)

- 12.- Reuber, T. L.; Ratcliffe, O.; Heard, J. E.; Riechmann, J. L.; Pineda, O.; Adam, L. Transcription factors for increasing yield. United States Patent 7,858,848. Issued December 28, 2010. (Application number: 11/479,226. Filed: June 30, 2006).
- 11.- Jiang, C.-Z.; Heard, J. E.; Ratcliffe, O.; Creelman, R. A.; Reuber, T. L.; Riechmann, J. L. Polynucleotides and polypeptides in plants. United States Patent 7,825,296. Issued November 2, 2010. (Application number: 11/642,814. Filed: December 20, 2006).
- 10.- Heard, J. E.; Riechmann, J. L.; Creelman, R. A.; Ratcliffe, O.; Canales, R. D.; Gutterson, N.; Reuber, T. L.; Pineda, O.; Morrison, T. A.; Jiang, C.-Z.; Century, K. S. Plant transcriptional regulators. United States Patent 7,663,025. Issued February 16, 2010. (Application number: 11/435,388. Filed: May 15, 2006).
- 9.- Sherman, B. K.; Riechmann, J. L.; Ratcliffe, O.; Jiang, C.-Z.; Heard, J. E.; Haake, V.; Creelman, R. A.; Adam, L.; Reuber, T. L.; Keddie, J.; DuBell, A. N.; Pineda, O.; Repetti, P. P.; Century, K. S.; Gutterson, N.; Yu, G.-L.; Broun, P. E.; Kumimoto, R.; Pilgrim, M. L. Polynucleotides and polypeptides in plants. United States Patent 7,659,446. Issued February 9, 2010. (Application number: 10/546,266. Filed: February 25, 2004).
- 8.- Reuber, T. L.; Riechmann, J. L.; Heard, J. E.; Jiang, C.-Z.; Adam, L.; Dubell, A. N.; Ratcliffe, O.; Pineda, O.; Yu, G.L.; Broun, P. Stress-related polynucleotides and polypeptides in plants. United States Patent 7,601,893. Issued October 13, 2009. (Application number: 11/725,235. Filed: March 16, 2007).
- 7.- Heard, J. E.; Riechmann, J. L.; Ratcliffe, O.; Pineda, O. Transcription factor sequences for conferring advantageous properties to plants. United States Patent 7,598,429. Issued October 6, 2009. (Application number 11/375,241. Filed: March 13, 2006)
- 6.- Zhang, J.; Fromm, M. E.; Heard, J. E.; Riechmann, J. L.; Adam, L.; Broun, P. E.; Pineda, O.; Reuber, T. L.; Keddie, J.; Yu, G.-L.; Jiang, C.-Z.; ; Samaha, R.; Pilgrim, M. L.; Creelman, R. A.; DuBell, A. N.; Ratcliffe, O.; Kumimoto, R.; Sherman, B. K. Polynucleotides and polypeptides in plants. United States Patent 7,345,217. Issued March 18, 2008. (Application number 10/412,699. Filed: April 10, 2003).
- 5.- Ratcliffe, O; Riechmann, J. L.; Adam, L. J.; DuBell, A. N.; Heard, J. E.; Pilgrim, M. L.; Jiang, C.-Z.; Reuber, T. L.; Creelman, R. A.; Pineda, O.; Yu, G.-L.; Broun, P. E. Yield-related polynucleotides and polypeptides in plants. United States Patent 7,238,860. Issued July 3, 2007. (Application number 10/225,066. Filed: August 9, 2002).

- 4.- Jiang, C.-Z.; Heard, J. E.; Ratcliffe, O.; Creelman, R. A.; Riechmann, J. L.; Haake, V. Polynucleotides and polypeptides that confer increased biomass and tolerance to cold, water deprivation and low nitrogen to plants. United States Patent 7,196,245. Issued March 27, 2007. (Application number 10/666,642. Filed: September 18, 2003).
- 3.- Reuber, T. L.; Riechmann, J. L.; Heard, J. E.; Jiang, C.-Z.; Adam, L. J.; DuBell, A. N.; Ratcliffe, O.; Pineda, O.; Yu, G.-L.; Broun, P. E. Stress-related polynucleotides and polypeptides in plants. United States Patent 7,193,129. Issued March 20, 2007. (Application number 10/225,068. Filed: August 9, 2002).
- 2.- Heard, J.E.; Riechmann J.L.; Creelman, R.A.; Keddie, J.; Pilgrim; M.L.; DuBell, A.N.; Jiang, C.-Z.; Ratcliffe, O.; Pineda, O.; Yu, G.-L.; Broun, P.E. Biochemistry-related polynucleotides and polypeptides in plants. United States Patent 7,135,616. Issued November 14, 2006. (Application number 10/225,067. Filed: August 9, 2002).
- 1.- Heard, J.; Broun, P.; Riechmann, J.L.; Keddie, J.; Pineda, O.; Adam, L.; Samaha, R.; Zhang, J.; Yu, G.-L.; Ratcliffe, O.; Pilgrim, M.; Jiang, C.-J.; Reuber, L. Transgenic plants comprising polynucleotides encoding transcription factors that confer disease tolerance. United States Patent 6,664,446. Issued December 16, 2003. (Application number 09/533,029. Filed: March 22, 2000).

Patent Applications:

United States Patent and Trademark Office (USPTO) (<http://patft.uspto.gov/>)

<i>Pub. App. No.</i>	<i>Date</i>	<i>Priority Date</i>	<i>Inventors</i>	<i>Title</i>	
1.	20100175145	July 8, 2010	February 15, 2010	Heard, J.E.; Riechmann, J.L.; Creelman, R.; Ratcliffe, O. J.; Canales, R.D.; Repetti, P.P.; Kumimoto, R.W.; Gutterson, N.I.; Reuber, T.L.; Pineda, O.; Jiang, C.-Z.; Century, K.S.; Adam, L.J.; Zhang, J.Z.; Hempel, F.D.; Libby, J.M.	Plant transcriptional regulators.
2.	20100162427	June 24, 2010	February 8, 2010	Riechmann, J.L.; Jiang, C.-Z.; Heard, J.E.; Creelman, R.; Ratcliffe, O. J.; Adam, L.J.; Reuber, T.L.; Repetti, P.P.; Kumimoto, R.W.; Gutterson, N.I.; Pilgrim M. L.; Pineda, O.; Zhang, J.Z.; Nazdan, G.	Polynucleotides and polypeptides in plants.
3.	20100107279	April 29, 2010	December 15, 2009	Ratcliffe, O. J.; Riechmann, J.L.; Adam, L.J.; Heard, J.E.; Pilgrim M. L.; Jiang, C.-Z.; Reuber, T.L.; Creelman, R.; Pineda, O.; Yu, G.-L.	Yield-Related Polynucleotides and Polypeptides in Plants.
4.	20100083402	April 1, 2010	October 5, 2009	Heard, J.E.; Riechmann, J.L.; Ratcliffe, O.; Pineda, O.; Reuber, T.L.; Zhang, J.Z.; Nazdan, G.	Transcription Factor Sequences for Conferring Advantageous Properties to Plants.
5.	20100083395	April 1, 2010	October 12, 2009	Reuber, T.L.; Riechmann, J.L.; Heard, J.E.; Jiang, C.-Z.; Adam, L.J.; Ratcliffe, O.; Pineda, O.; Yu; Yu, G.-L.; Gutterson, N.I.; Hempel, F.D.; Kumimoto, R.W.; Keddie, J.	Stress-related Polynucleotides and Polypeptides in Plants.

6. 20090276912 November 5, 2009 December 18, 2008 Sherman, B.K.; Riechmann, J.L.; Jiang, C.-Z.; Heard, J.E.; Haake, V.; Creelman, R.; Ratcliffe, O.; Adam, L.J.; Reuber, T.L.; Keddie, J.; Broun, P.E.; Pilgrim, M.E.; Dubell, A.N.; Pineda, O.; Yu, G.-L. Polynucleotides and Polypeptides in Plants.
7. 20090265807 October 22, 2009 November 26, 2007 Kumimoto, R.W.; Adam, L.J.; Canales, R.; Century, K.S.; Creelman, R.A.; Costa, J.M.; Gutterson, N.I.; Hempel, F.D.; Heard, J.E.; Jiang, C.-Z.; Krolkowski, K.; Pineda, O.; Queen, E.L.; Ratcliffe, O.; Repetti, P.P.; Reuber, T.L.; Riechmann, J.L.; Zhang, J.Z. Polynucleotides and polypeptides in plants.
8. 20090192305 July 30, 2009 March 7, 2008 Riechmann, J.L.; Ratcliffe, O.; Reuber, T.L.; Creelman, R.A.; Adam, L.J.; Kumimoto, R.W. AP2 transcription factors for modifying plant traits.
9. 20080155706 June 26, 2008 April 24, 2003 Riechmann, J.L.; Ratcliffe, O.J.; Reuber, T. L.; Krolkowski, K.; Heard, J. E.; Pineda, P.; Jiang, C.-Z.; Creelman, R.; Kumimoto, R.W.; Chomet, P. Plant tolerance to low water, low nitrogen and cold.
10. 20080039339 February 14, 2008 June 5, 2007 Hassibi, A.; Hassibi, B.; Vikalo, H.; Riechmann, J. L. Real Time Microarrays.
11. 20070240243 October 11, 2007 November 13, 2003 Heard, J.E.; Riechmann, J.L.; Creelman, R.A.; Ratcliffe, O.; Canales, R.D.; Repetti, P.P.; Kumimoto, R.W.; Gutterson; N.I.; Reuber, T. L.; Pineda, O.; Sherman, B.K. Plant transcriptional regulators of drought stress.
12. 20070209086 September 6, 2007 March 26, 2007 Ratcliffe, O.; Riechmann, J.L.; Adam, L.J.; Dubell, A.N.; Heard, J.E.; Pilgrim; M.L.; Jiang, C.-Z.; Reuber, T. L.; Creelman, R.A.; Pineda, O.; Yu, G.-L.; Broun, P.E. Yield-related polynucleotides and polypeptides in plants.
13. 20070186308 August 9, 2007 March 16, 2007 Reuber, T. L.; Riechmann, J.L.; Heard, J.E.; Jiang, C.-Z.; Adam, L.J.; Dubell, A.N.; Ratcliffe, O.; Pineda, O.; Yu, G.-L.; Broun, P.E. Stress-related polynucleotides and polypeptides in plants.
14. 20070101454 May 3, 2007 December 20, 2006 Jiang, C.-Z.; Heard, J.E.; Ratcliffe, O.; Creelman, R.A.; Adam, L.J.; Reuber, T. L.; Riechmann, J.L.; Haake, V.; Dubell, A.N.; Keddie, J.S.; Sherman, B.K. Polynucleotides and polypeptides in plants.
15. 20070033671 February 8, 2007 September 18, 2003 Jiang, C.-Z.; Heard, J.E.; Ratcliffe, O.; Creelman, R.A.; Adam, L.J.; Reuber, L.; Riechmann, J.L.; Haake, V.; Dubell, A.; Keddie, J.S.; Sherman, B.K. Polynucleotides and polypeptides in plants.
16. 20060272060 November 30, 2006 May 15, 2006 Heard, J.E.; Riechmann, J.L.; Creelman, R.A.; Ratcliffe, O.; Canales, R.D.; Repetti, P.P.; Kumimoto, R.W.; Gutterson, N.; Reuber, L.; Pineda, O.; Sherman, B.K. ; Morrison, T.A.; Keddie, J.S.; Jiang, C.-Z.; Century, K.; Adam, L.; Zhang, J.; Hempel, F.D.; Libby, J.M. Plant transcriptional regulators.

17. 20060242738 October 26, 2006 February 25, 2004 Sherman, B.K.; Riechmann, J.L.; Ratcliffe, O.; Jiang, C.-Z.; Heard, J.E.; Haake, V.; Creelman, R.A.; Adam, L.; Reuber, L.; Keddie, J.S.; Pineda, O.; Repetti, P.P.; Century, K.; Gutterson, N.; Yu, G.-L.; Broun, P.; Kumimoto, R.W.; Pilgrim, M. Polynucleotides and polypeptides in plants.
18. 20060195944 August 31, 2006 March 13, 2006 Heard, J.E.; Riechmann, J.L.; Ratcliffe, O.; Pineda, O. Transcription factor sequences for conferring advantageous properties to plants.
19. 20060162006 July 20, 2006 February 25, 2003 Sherman, B.K. ; Riechmann, J.L.; Jiang, C.-Z.; Heard, J.; Haake, V.; Creelman, R.A.; Ratcliffe, O.; Adam, L.J.; Reuber, L.; Keddie, J.; Broun, P.; Pilgrim, M.; Dubell, A.; Pineda, O.; Yu; G.-L. Polynucleotides and polypeptides in plants.
20. 20060015972 January 19, 2006 November 13, 2003 Heard, J.E.; Riechmann, J.L.; Creelman, R.A.; Ratcliffe, O.; Canales, R.D.; Repetti, P.P.; Kumimoto, R.W.; Gutterson, N.; Reuber, L.; Pineda, O.; Sherman, B.K. Plant transcriptional regulators of drought stress.
21. 20050160493 July 21, 2005 August 9, 2002 Ratcliffe, O. ; Riechmann, J.L.; Adam, L.; Dubell, A.; Heard, J.; Pilgrim, M.; Jiang, C.-Z.; Reuber, L.; Creelman, R.; Pineda, O. ; Yu, G.-L.; Broun, P. Yield-related polynucleotides and polypeptides in plants.
22. 20050120408 June 2, 2005 August 9, 2002 Reuber, L.; Riechmann, J.L.; Heard, J.; Jiang, C.-Z.; Adam, L.; Dubell, A.; Ratcliffe, O. ; Pineda, O. ; Yu, G.-L.; Broun, P. Stress-related polynucleotides and polypeptides in plants.
23. 20050076412 April 7, 2005 August 27, 2002 Thomashow, M.; Stockinger, E.; Jaglo, K.; Gilmour, S.; Zarka, D.; Jiang, C.-Z.; Zhang, J.; Fromm, M.; Haake, V.; Riechmann, J.L. Method for modifying cell protectant levels.
24. 20040098764 May 20, 2004 October 14, 2003 Heard, J.; Riechmann, J.L.; Creelman, R.; Ratcliffe, O. ; Kumimoto, R.W.; Gutterson, N.; Reuber, L.; Pineda, O. ; Libby, J.M.; Sherman, B.K. Plant transcriptional regulators of abiotic stress.
25. 20040019927 January 29, 2004 February 25, 2003 Sherman, B.K.; Riechmann, J.L.; Jiang, C.-Z.; Heard, J.E.; Haake, V.; Creelman, R.; Ratcliffe, O. ; Adam, L.; Reuber, L.; Keddie, J.; Broun, P.; Pilgrim, M.; Dubell, A.; Pineda, O. ; Yu, G.-L. Polynucleotides and polypeptides in plants.
26. 20030233680 December 18, 2003 April 23, 2003 Thomashow, M.; Stockinger, E.J.; Jaglo, K.; Gilmour, S.J.; Zarka, D.; Jiang, C.-Z.; Zhang, J.; Haake, V.; Riechmann, J.L.; Sherman, B.K.; Fromm, M.; Century, K. Methods for modifying plant biomass and cell protectant levels.
27. 20030229915 December 11, 2003 November 22, 2002 Keddie, J.; Fromm, M.; Heard, J.; Riechmann, J.L.; Adam, L.; Broun, P.; Pineda, O.; Reuber, L.; Zhang, J.; Yu, G.-L.; Jiang, C.-Z.; Samaha, R. ; Pilgrim, M.; Creelman, R. Plant gene sequences II.

28. 20030131386 July 10, 2003 October 22, 2002 Samaha, R. ; Heard, J.; Jiang, C.-Z.; Pineda, O.; Reuber, L.; Riechmann, J.L.; Yu, G.-L.; Keddie, J.; Ratcliffe, O. ; Pilgrim, M.; Adam, L.; Broun, P.; Zhang, J. Stress-induced polynucleotides.
29. 20030121070 June 26, 2003 August 22, 2001 Adam, L.; Keddie, J.; Creelman, R.; Riechmann, J.L.; Jiang, C.-Z.; ; Heard, J.; Pilgrim, M.; Dubell, A.; Ratcliffe, O. ; Reuber, L.; Yu, G.-L.; Pineda, O. Genes for modifying plant traits IV.
30. 20030101481 May 29, 2003 November 15, 2002 Zhang, J.; Fromm, M.; Heard, J.; Riechmann, J.L.; Adam, L.; Broun, P.; Pineda, O.; Reuber, L.; Keddie, J.; Yu, G.-L.; Jiang, C.-Z. Plant gene sequences I.
31. 20030093837 May 15, 2003 November 1, 2002 Keddie, J.; Riechmann, J.L.; Ratcliffe, O. ; Zhang, J.; Jiang, C.-Z.; Pineda, O.; Heard, J.; Yu, G.-L.; Adam, L.; Broun, P.; Reuber, L.; Pilgrim, M.; Samaha, R. Polynucleotides for seed trait alteration.
32. 20030061637 March 27, 2003 October 21, 2002 Jiang, C.-Z.; Broun, P.; Riechmann, J.L.; Pineda, O.; Zhang, J.; Yu, G.-L.; Pilgrim, M.; Keddie, J.; Heard, J.; Reuber, L.; Ratcliffe, O. ; Adam, L.; Samaha, R. Polynucleotides for root trait alteration.

International Patents and Patent Applications:

World Intellectual Property Organization (<http://www.wipo.int/pctdb/en/search-adv.jsp>)

	Title	Pub. Date	App. Number	Applicant
1	(WO 2007/143669) REAL TIME MICRO ARRAYS	13.12.2007	PCT/US2007/070449	CALIFORNIA INSTITUTE OF TECHNOLOGY
2	(WO 2005/047516) PLANT TRANSCRIPTIONAL REGULATORS	26.05.2005	PCT/US2004/037584	MENDEL BIOTECHNOLOGY, INC.
3	(WO 2004/076638) POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS	10.09.2004	PCT/US2004/005654	MENDEL BIOTECHNOLOGY, INC..
4	(WO 2004/031349) POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS	15.04.2004	PCT/US2003/030292	MENDEL BIOTECHNOLOGY, INC.
5	(WO 2003/014327) STRESS-RELATED POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS	20.02.2003	PCT/US2002/026966	MENDEL BIOTECHNOLOGY, INC.
6	(WO 2003/013228) BIOCHEMISTRY-RELATED POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS	20.02.2003	PCT/US2002/025808	MENDEL BIOTECHNOLOGY, INC.
7	(WO 2003/013227) YIELD-RELATED POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS	20.02.2003	PCT/US2002/025805	MENDEL BIOTECHNOLOGY, INC.
8	(WO 2002/015675) GENES FOR MODIFYING PLANT TRAITS IV	28.02.2002	PCT/US2001/026189	MENDEL BIOTECHNOLOGY, INC.
9	(WO 2001/036598) ENVIRONMENTAL STRESS TOLERANCE GENES	25.05.2001	PCT/US2000/031458	MENDEL BIOTECHNOLOGY,

10	<u>(WO 2001/036597) PLANT BIOCHEMISTRY-RELATED GENES</u>	25.05.2001	PCT/US2000 /031344	INC. MENDEL BIOTECHNOLOGY, INC.
11	<u>(WO 2001/036444) PLANT DEVELOPMENTAL GENES</u>	25.05.2001	PCT/US2000 /031325	MENDEL BIOTECHNOLOGY, INC.
12	<u>(WO 2001/035727) SEED TRAIT GENES</u>	25.05.2001	PCT/US2000 /031457	MENDEL BIOTECHNOLOGY, INC.
13	<u>(WO 2001/035725) YIELD-RELATED GENES</u>	25.05.2001	PCT/US2000 /031414	MENDEL BIOTECHNOLOGY, INC.
14	<u>(WO 2001/026459) FLOWERING TIME MODIFICATION</u>	19.04.2001	PCT/US2000 /028141	MENDEL BIOTECHNOLOGY, INC.

INVITED LECTURES AND SEMINARS

Invited Speaker: "Orchestration of floral initiation by APETALA1" X Reunión de Biología Molecular de Plantas (session on: Genómica, Proteómica y Metabólica), Valencia, Spain, July 8-10, 2010.

Seminar: "Gene expression and ChIP-Seq studies of flower development: Orchestration of floral initiation by APETALA1", Universidad Miguel Hernández, Campus de Elche, Elche, Spain. June 18, 2010.

Seminar: "Gene expression and ChIP-Seq studies of flower development: Orchestration of floral initiation by APETALA1", Instituto Biología Molecular y Celular de Plantas (IBMCP), Valencia, Spain. May 21, 2010.

Seminar: "Gene expression and ChIP-Seq studies of flower development: Orchestration of floral initiation by APETALA1", Mendel Biotechnology, Hayward (CA), USA. April 8, 2010.

Seminar: "Gene expression and ChIP-Seq studies of flower development: Orchestration of floral initiation by APETALA1", Centro Nacional de Biotecnología, Madrid, Spain. Feb 15, 2010.

Seminar: "Gene expression and ChIP-Seq studies of flower development: Orchestration of floral initiation by APETALA1", Center for Research in Agricultural Genomics, Barcelona, Spain. Jan 22, 2010.

Invited Keynote Speaker: "Genome-Wide Analysis of Transcriptional Regulation During Flower Development", symposium on "Transcription Factors as Global Regulators of Gene Expression", 9th International Plant Molecular Biology (IPMB) Congress, St. Louis, Missouri, USA, October 25-30, 2009.

Lecture: "Genome-Wide Analysis of Transcriptional Regulation During Flower Development", Workshop on "Mechanisms Controlling Flower Development", Parador de Aiguablava, Girona, Spain, June 8-12, 2009.

Lecture: "Genomic Analyses of Arabidopsis Flower Development", Workshop on "Plant Functional Genomics: From Model Plants to Real Crops", Barcelona, Spain, October 21-22, 2008.

Seminar: "Genomic Analyses of Arabidopsis Flower Development", Reunió Científica de la Xarxa de Referència en Biotecnologia de la Generalitat de Catalunya, Barcelona, Spain, July 8, 2008.

Seminar: "Genomic analysis of novel coding short open reading frames in Arabidopsis", Institut de Biologia Molecular CID-CSIC, Barcelona, Spain. 4/4/2008.

Seminar: "Arabidopsis flower development, gene expression, and microRNAs: a genomic approach", Institut de Biologia Molecular CID-CSIC, Barcelona, Spain. 2/21/2007.

Lectures: "An introduction to DNA Microarrays", The Huntington Library and Botanical Gardens, Pasadena, July 20, 2006; July 19, 2007; July 31, 2008; July 15, 2009.

Seminar: "Arabidopsis flower development, gene expression, and microRNAs: a genomic approach", University of California at Riverside. May 22, 2006.

Seminar: "Análisis genómicos en Arabidopsis", Institut de Biologia Molecular CID-CSIC, Barcelona, Spain. 12/23/2004.

Lectures: "Microarrays in Plant Botany Research", The Huntington Library and Botanical Gardens, Pasadena, August 26, 2004; and July 14, 2005.

Seminar: "Análisis genómicos en Arabidopsis: factores de transcripción y desarrollo de la flor", Centro Nacional de Biotecnología CSIC-UAM, Madrid, Spain, 2/24/2003

Seminar: "Análisis genómicos de los factores de transcripción de Arabidopsis", Institut de Biologia Molecular CID-CSIC, Barcelona, Spain. 10/4/2002.

Lecture at the 1st Plant GEMs (Plant Genomics European Meetings): "Plant transcription factors", Technical University, Berlin, Germany, September 29-October 2, 2002.

Seminar: "Genome-wide analysis of Arabidopsis transcription factors: from sequence to function". Department of Molecular, Cell and Developmental Biology, University of California at Los Angeles (UCLA), February 7, 2002.

Invited participant in the NSF-sponsored workshop on "Genomic approaches to cis-element/TF interactions", National Science Foundation, Arlington, January 16-17, 2002.

Lecture at the GARNet (Genomics Arabidopsis Resource Network) 2nd Functional Genomics Meeting, University of York, Heslington, UK, September 27-28, 2001.

Lecture at the UK Genetics Society 4th Meeting on Arabidopsis: "*Arabidopsis* Transcription Factors: Genome-Wide Comparative and Functional Analysis". John Innes Centre, Norwich, UK, May 5, 2001.

Lecture at the Michigan State University Genetics Program Symposium “Global Analysis of Complex Genetic Systems”. Michigan State University, April 21, 2001.

Lecture at the 2001 Cologne Spring Meeting on “Evolutionary Genomics and Bioinformatics”. Cologne, Germany, February 28-March 2, 2001.

Lecture at the 1997 Cologne Spring Meeting on “Protein-DNA recognition and the control of transcription”. Cologne, Germany, March 12-14, 1997.

Seminar: “Bases moleculares del modelo genético ABC de desarrollo de la flor en *Arabidopsis*”
Centro Nacional de Biotecnología, CSIC-Universidad Autónoma de Madrid, Madrid, Spain. 6/20/1996.

Seminar: “Molecular analysis of *Arabidopsis* MADS domain floral homeotic proteins AP1, AP3, PI, and AG: The biochemistry of the ABC model”. Section of Plant Biology, University of California, Davis. 2/2/1996.

PRESENTATIONS AT INTERNATIONAL CONGRESSES

- 32.- K. Kaufmann*, F. Wellmer, G. Angenent, and J. L. Riechmann (2010). Orchestration of floral initiation by APETALA1. Systems Biology: Global Regulation of Gene Expression. Cold Spring Harbor Laboratory (USA). March 23-27, 2010.
- 31.- T. Mastro, Y. Jiao, J. L. Riechmann* (2008). Genomic analyses of novel coding short open reading frames in Arabidopsis: involvement in flower development. 19th International Conference in Arabidopsis Research. Montreal (Canada). July 23-27, 2008.
- 30.- F. Wellmer*, M. Alves-Ferreira, J. L. Riechmann, and E. M. Meyerowitz (2007). Whole-Genome Analysis Of Gene Expression During Early Arabidopsis Flower Development. Plant and Animal Genomes XV Conference. San Diego, California (USA)
- 29.- F. Wellmer*, M. Alves-Ferreira, A. Dubois, J. L. Riechmann, and E. M. Meyerowitz (2004). Patterns of gene expression during Arabidopsis flower development. 15th International Conference on Arabidopsis Research. Berlin (Germany).
- 28.- F. Wellmer*, J. L. Riechmann, M. Alves-Ferreira, A. Dubois, and E. M. Meyerowitz (2004). Gene expression analysis of Arabidopsis flower development. Plant and Animal Genomes XII Conference. San Diego, California (USA)
- 27.- F. Wellmer*, M. Alves-Ferreira, J. L. Riechmann, and E. M. Meyerowitz (2003). Gene expression analysis of Arabidopsis flower development. 14th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 26.- P. Broun*, R. A. Creelman, and J. L. Riechmann (2002). Increased epidermal wax accumulation mediated by a transcription factor in Arabidopsis. 13th International Conference on Arabidopsis Research. Seville (Spain).
- 25.- F. D. Hempel*, O. Ratcliffe, and J. L. Riechmann (2002). Three closely-related AP2/ERF genes alter leaf/shoot interactions and induce axillary shoot growth from the base of the Arabidopsis leaf. Poster presentation. Workshop on "Leaf development", Instituto Juan March, Madrid (Spain).
- 24.- O. J. Ratcliffe*, L. Reuber, and J. L. Riechmann (2001). Genomic analysis of the floral transition. Oral presentation. EMBO workshop on the molecular basis of the floral transition. Norwich (UK).
- 23.- O. J. Ratcliffe, L. Reuber, and J. L. Riechmann* (2001). Genomic analysis of the floral transition. Oral presentation. 12th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 22.- V. Haake*, D. Cook, J. L. Riechmann, M. F. Thomashow, and J. Z. Zhang (2001). The identification of transcription factors regulating temperature and water stress responses. Oral presentation. 12th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 21.- F. Wellmer*, J. L. Riechmann, M. Alves-Ferreira, and E. M. Meyerowitz (2001). DNA microarray analysis of Arabidopsis flower development. Poster presentation. 12th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 20.- J. L. Riechmann*, J. Heard, L. Adam, R. Creelman, C.-Z. Jiang, J. Keddie, G. Martin, M. Pilgrim, O. Pineda, O. J. Ratcliffe, L. Reuber, R. Samaha, B. Sherman, and G.-L. Yu. (2000). Arabidopsis transcription factors: a genomic perspective. Oral presentation. Arabidopsis Genomics Meeting. Cold Spring Harbor Laboratories, NY (USA).
- 19.- J. L. Riechmann* and E. M. Meyerowitz (1997). Determination of petal and stamen identity by the APETALA3/PISTILLATA dimer is independent of its DNA-binding specificity. Poster presentation. 8th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).

- 18.- J. L. Riechmann* and E. M. Meyerowitz (1997). Determination of floral organ identity by the MADS domain homeotic proteins AP1, AP3, PI, and AG is independent of their DNA-binding specificity. Poster presentation. 8th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 17.- J. L. Riechmann* and E. M. Meyerowitz (1996). The DNA-binding specificity of the MADS-domain organ identity proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS can be changed without affecting their activity in vivo. Poster presentation. 7th International Conference on Arabidopsis Research. Norwich (UK).
- 16.- J. L. Riechmann*, B. A. Krizek, and E. M. Meyerowitz (1995). Molecular analysis of the *Arabidopsis thaliana* MADS-domain proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS. Poster presentation. 6th International Conference on Arabidopsis Research. Madison, Wisconsin (USA).
- 15.- J. L. Riechmann*, B. A. Krizek, and E. M. Meyerowitz (1995). Molecular analysis of the *Arabidopsis thaliana* MADS-domain proteins APETALA1, APETALA3, PISTILLATA, and AGAMOUS. Oral presentation. Juan March Foundation Workshop on "Flower development". Madrid (Spain).
- 14.- M. T. Cervera*, P. Sáenz, J. L. Riechmann and J. A. García (1994). A full-length cDNA clone from the PS M type isolate of plum pox potyvirus as a tool for studying determinants of pathogenicity. Poster presentation. 4th International Society of Plant Molecular Biology Congress. Amsterdam (Netherlands).
- 13.- J. L. Riechmann, M. T. Cervera and J. A. García* (1994). Processing of the plum pox virus polyprotein at the P3-6K1 junction is not required for virus viability, but its alteration affects infectivity and symptom induction. Oral presentation. 4th International Society of Plant Molecular Biology Congress. Amsterdam (Netherlands).
- 12.- M. T. Cervera*, J. L. Riechmann, P. Sáenz and J. A. García (1994). Biological properties of chimeric plum pox potyvirus obtained by in vitro recombination. Poster presentation. Juan March Foundation Workshop on "Genetic recombination and defective interfering particles in RNA viruses". Madrid (Spain).
- 11.- M. T. Cervera*, J. L. Riechmann and J. A. García (1993). Study of determinants of pathogenicity of plum pox potyvirus. Oral presentation. IXth International Congress of Virology. Glasgow (United Kingdom).
- 10.- M. T. Cervera*, J. L. Riechmann, M. T. Martín and J. A. García (1993). Genetic analysis of determinants of pathogenicity in plum pox potyvirus. Oral presentation. Biotechnology for Crop Improvement in Latin America. Caracas. (Venezuela).
- 9.- M. T. Cervera*, J. L. Riechmann, M. T. Martín and J. A. García (1993). Genetic analysis of different plum pox potyvirus isolates. Poster presentation. Juan March Foundation Workshop on "Engineering plants against pests and pathogens". Madrid (Spain).
- 8.- J. A. García*, J. L. Riechmann, S. Laín, M. T. Martín and M. T. Cervera (1991). Organización del genoma del virus de la sharka (plum pox virus). Oral presentation. Conference des regions du sud Europe atlantique: "Quelques aspects de la recherche biologique et agronomique en Espagne, en France et au Portugal: vers une cooperation interregionale". Bordeaux (France).
- 7.- J. L. Riechmann*, S. Laín and J. A. García (1991). Identification of the initiation codon of plum pox potyvirus genomic RNA. Poster presentation. Juan March Foundation Workshop on "Regulation of translation in animal virus-infected cells". Sigüenza (Spain).
- 6.- J. L. Riechmann*, S. Laín and J. A. García (1990). Infectious *in vitro* transcripts from a plum pox potyvirus cDNA clone. Oral presentation. VIIIth International Congress of Virology. Berlin (Germany).

- 5.- J. A. García*, S. Laín, M. T. Martín, M. T. Cervera, C. López-Otín and J. L. Riechmann (1990). Expression and function of plum pox potyvirus gene products. Oral presentation. Juan March Foundation Workshop on "Genome expression and pathogenesis of plant RNA viruses". Madrid (Spain).
- 4.- S. Laín*, M. T. Martín, J. L. Riechmann and J. A. García (1990). RNA helicase activity associated to plum pox virus cylindrical inclusion protein. Oral presentation. Juan March Foundation Workshop on "Genome expression and pathogenesis of plant RNA viruses". Madrid (Spain).
- 3.- J. A. García*, J. L. Riechmann, M. T. Martín, C. López-Otín and S. Laín (1989). Genomic expression of plum pox potyvirus. Oral presentation. EMBO Workshop on "Molecular Biology of Plant Virus Pathogenicity". Wye (Great Britain).
- 2.- S. Laín*, J. L. Riechmann, M. T. Martín, C. López-Otín and J. A. García (1989). Homologous poty-, flavi-, and pesti- viruses belonging to a superfamily of helicase-like proteins. RNA-stimulated ATPase activity of plum pox potyvirus CI protein. Poster presentation. 2nd International Symposium on Positive Strand RNA viruses. Vienna (Austria).
- 1.- J. A. García*, J. L. Riechmann, M. T. Martín and S. Laín (1988). Structure and expression of the genome of plum pox potyvirus. Poster presentation. 2nd International Congress of Plant Molecular Biology. Jerusalem (Israel).