Curriculum Vitae

Pablo Daniel Jenik

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Country of Citizenship: Argentina (Permanent Resident Alien, USA)

Education

1994-2000 Ph.D. in Molecular, Cellular and Developmental Biology, Yale University.

1988-1994 Licenciado (B.Sc./M.Sc.) in Biology, University of Buenos Aires, Argentina.

Courses

2002 Optical microscopy and imaging in the biomedical sciences. Marine Biological Laboratory, Woods Hole, MA.

Awards and Honors

2002-2005 DOE-Energy Biosciences Fellowship, Life Sciences Research Foundation.

1997-1998 Henry Daggett Hooker Memorial Fellowship, Yale University.

1995-1997 Joseph Cullman Fellowship, Yale University.

Research Experience

2000-present Postdoctoral Fellow, laboratory of Dr. M. Kathryn Barton, Department of Plant Biology, Carnegie Institution of Washington (previously: University of Wisconsin-Madison): Genetic and molecular analysis of embryonic patterning and morphogenesis in *Arabidopsis*.

1995-2000 Ph.D. thesis, laboratory of Dr. Vivian Irish, Yale University: Clonal and mosaic analysis of the floral homeotic gene *APETALA3* in *Arabidopsis*.

Fall 1994 and Summer 1995 Rotation projects, laboratories of Dr. William McGinnis and Dr. William Segraves, Yale University: Embryonic development in *Drosophila*.

1990-1992 Undergraduate research, laboratory of Dr. Maria Teresa Franze-Fernandez, CEVAN, Buenos Aires, Argentina: Studies on the P_{11}/Z protein of the Tacaribe virus (Arenaviridae).

Publications

Jenik, P.D., R.E.J. Jurkuta. and M.K. Barton. Interactions between the cell cycle and embryonic patterning in *Arabidopsis* uncovered by a mutation in DNA polymerase epsilon. *Plant Cell* (in press).

Jenik, P.D. and M.K. Barton (2005). Surge and destroy: the role of auxin in plant embryogenesis. *Development* **132**: 3577-3585. (Review Article).

Irish, V.F. and **P.D. Jenik** (2001) Cell lineage, cell signaling and the control of plant morphogenesis. *Current Opinion in Genetics & Development* **11**: 424-430. (Review Article).

Jenik, P.D. and V.F. Irish (2001). The *Arabidopsis* floral homeotic gene *APETALA3* differentially regulates intercellular signaling required for petal and stamen development. *Development* **128**: 13-23.

Jenik, P.D. and V.F. Irish (2000). Regulation of cell proliferation patterns by homeotic genes during *Arabidopsis* floral development. *Development* **127**:1267-1276.

Irish, V., C. Day, K. Bouhidel, B. McGonigle, S. Carr, T. Hill, E. Wright and **P. Jenik** (1996). Genetic analysis of petal and stamen development in Arabidopsis. *Flowering Newsletter* **21**: 3-9. (Review Article).

Rossi, C., O. Rey, **P. Jenik** and M.T. Franze-Fernandez (1996). Immunological identification of Tacaribe virus proteins. *Research in Virology* **147**: 203-211.

Oral presentations

2005. How to build an *Arabidopsis* embryo. Yale University, Department of Molecular, Cellular and Developmental Biology (Botany Seminars), New Haven, CT.

2004. Cell cycle length and patterning in the *Arabidopsis* embryo. National Center for Plant Genomic Research. New Delhi, India.

2004. Cell cycle length and patterning in the *Arabidopsis* embryo. FASEB Summer Research Conference: Mechanisms of Plant Development. Saxtons River, VT.

2000. The homeotic gene *APETALA3* has autonomous and non-autonomous effects in the control of floral organ identity. FASEB Summer Research Conference: Mechanisms of Plant Development. Saxtons River, VT.

2000. Mosaic analysis of the floral homeotic gene *APETALA3* in *Arabidopsis*. New York Area Plant Molecular Biology Meeting. New York, NY.

Poster presentations

International Conference on Arabidopsis Research: 1997, 2001, 2002, 2003, 2004.
Society for Developmental Biology, Annual Meeting: 1999, 2005.
FASEB Research Conference: Mechanisms in Plant Development: 1998, 2002, 2004.

Teaching experience

Yale University

Spring 1997, 1998 Teaching Assistant, Developmental Biology.

Fall 1996 Teaching Assistant, Genetics.

Spring, Fall 1995 Teaching Assistant, Introduction to Biology (Labs).

University of Buenos Aires

Fall 1992, 1993, Spring 1994 Teaching Assistant, Introduction to Molecular Physiology.

Spring 1992, 1993 Teaching Assistant, Introduction to Molecular and Cellular Biology.

Teacher training

Summer 2001 Teaching Biology (Plant Pathology 875) course at University of Wisconsin-Madison.

Spring 1995, Spring 1999 Teacher training workshops at Yale University (Working At Teaching): Basic and Advanced Sciences Workshops.

Student Mentorship

Graduate students (rotation students): Naomi Nakayama (Yale University, Spring 2000).

Undergraduate students: Kristina Gremski (Yale University, Fall 1999), Hamideh Emrani (Foothill College, Summer 2003).

High School students: Kelan Berry (Quest Scholars Program, Summer 2005).

Language skills

Spanish (native), English (fluent). I can understand some Italian, French and Portuguese.

Membership in professional bodies

1999-2000 Society for Developmental Biology

2001-present American Society of Plant Biologists

2002-present American Association for the Advancement of Science

References

Dr. M. Kathryn Barton; Staff Member; Carnegie Institution of Washington, Department of Plant Biology, 260 Panama Street, Stanford CA 94305, USA; (650) 325-1521 ext. 224; kbarton@stanford.edu.

Dr. Vivian F. Irish; Associate Professor; Yale University, Department of Molecular, Cellular and Developmental Biology, 266 Whitney Avenue, New Haven, CT 06520-8104, USA; (203) 432-5572; vivian.irish@yale.edu.

Dr. Timothy Nelson; Professor; Yale University, Department of Molecular, Cellular and Developmental Biology, 266 Whitney Avenue, New Haven, CT 06520-8104, USA; (203) 432-3860; timothy.nelson@yale.edu.

Dr. David W. Ehrhardt; Staff Member; Carnegie Institution of Washington, Department of Plant Biology, 260 Panama Street, Stanford CA 94305, USA; (650) 325-1521 ext. 261; ehrhardt@stanford.edu.