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EDUCATION

2000	Woods Hole Marine Biological Laboratory Embryology Course Woods Hole, MA
1993-1998	The George Washington University Washington, DC Ph. D. in Genetics
1990-1992	St. Mary's College of Maryland St. Mary's City, MD B. A. in Science
1984-1989	Peking University School of Medicine Beijing, China

RESEARCH EXPERIENCE

2001-present	Post-doctoral Research Associate Department of Molecular, Cellular & Developmental Biology University of California Santa Barbara, Santa Barbara, CA Laboratory of Dr. William C. Smith Genetic study of ascidian development
1999-2001	National Research Council Research Associate National Institute of Child Health and Human Development National Institutes of Health, Bethesda, MD Laboratory of Dr. Ajay B. Chitnis Zebrafish Neurogenesis
1992-1999	Doctoral Student National Institute of Allergy and Infectious Diseases National Institutes of Health, Bethesda, MD Laboratory of Dr. Michael J. Lenardo Thymocyte development in mouse

1990-1992 Undergraduate Student
Department of Biology
St. Mary's College of Maryland, MD
Laboratory of Dr. David H. Cribbs
Biochemical modification of chymopapain

TEACHING EXPERIENCE

1993 Teaching Assistant in Immunology and Human Genetics courses
The George Washington University

1998 Mentor in Summer Internship Program in Biomedical Research
National Institutes of Health

AWARDS AND HONORS

2000 Woods Hole Marine Biological Laboratory Embryology Course Scholar Award

1998-2001 National Research Council Research Associateship Award

1997-1998 NIH Fellows Award for Research Excellence

1990-1992 Southern Maryland Minority Student Scholarship Award

PUBLICATIONS

1. **Jiang D**, Smith WC. Comparative study of tunicate notochord reveals morphological diversity. Submitted to Developmental Dynamics.

2. **Jiang D**, Smith WC. Anterior/posterior polarity of ascidian notochord cells is established by a mechanism consisting of an early pan embryo and a late notochord specific component. Submitted to Developmental Biology.

3. **Jiang D**, Smith WC. Self and cross-fertilization in the solitary ascidian *Ciona savignyi*. In press in The Biological Bulletin.

4. **Jiang D**, Munro EM, Smith WC. Ascidian *prickle* regulates both mediolateral and anterior-posterior cell polarity of notochord cells. Current Biology. 2005 Jan 11;15(1):79-85.

5. **Jiang D**, Tresser JW, Horie T, Tsuda M, Smith WC. Pigmentation in the sensory organs of the ascidian larva is essential for normal behavior. J Exp Biol. 2005 Feb 1;208(3):433-8.

6. Hendrickson C, Christiaen L, Deschet K, **Jiang D**, Joly JS, Legendre L, Nakatani Y, Tresser J, Smith WC. Culture of adult ascidians and ascidian genetics. Methods Cell Biol. 2004;74:143-70. Review.

7. **Jiang D**, Smith WC. An ascidian *engrailed* gene. Dev Genes Evol. 2002 Sep;212(8):399-402.

8. Kim CH, Oda T, Itoh M, **Jiang D**, Artinger KB, Chandrasekharappa SC, Driever W, Chitnis AB. Repressor activity of Headless/Tcf3 is essential for vertebrate head formation. Nature. 2000 Oct 19;407(6806):913-6.

9. **Jiang D**, Zheng L, Lenardo MJ. Caspases in T-cell receptor-induced thymocyte apoptosis. Cell Death Differ. 1999 May;6(5):402-11.

10. Martin DA, Combadiere B, Hornung F, **Jiang D**, McFarland H, Siegel R, Trageser C, Wang J, Zheng L, Lenardo MJ. Molecular genetic studies in lymphocyte apoptosis and human autoimmunity. Novartis Found Symp. 1998;215:73-82; discussion 82-91. Review.

11. Albright JW, **Jiang D**, Albright JF. Innate control of the early course of infection in mice inoculated with Trypanosoma musculi. Cell Immunol. 1997 Mar 15;176(2):146-52.

12. **Jiang D**, Lenardo MJ, Zuniga-Pflucker JC. p53 prevents maturation to the CD4+CD8+ stage of thymocyte differentiation in the absence of T cell receptor rearrangement. J Exp Med. 1996 Apr 1;183(4):1923-8.

13. Zuniga-Pflucker JC, **Jiang D**, Lenardo MJ. Requirement for TNF-alpha and IL-1 alpha in fetal thymocyte commitment and differentiation. Science. 1995 Jun 30;268(5219):1906-9.

14. Zuniga-Pflucker JC, **Jiang D**, Schwartzberg PL, Lenardo MJ. Sublethal gamma-radiation induces differentiation of CD4-/CD8- into CD4+/CD8+ thymocytes without T cell receptor beta rearrangement in recombinase activation gene $2^{-/-}$ mice. J Exp Med. 1994 Oct 1;180(4):1517-21.

COMMUNICATIONS

1. **Jiang D**, Smith WC. Anterior/posterior polarity of individual notochord cells in ascidian embryo. 3rd International Tunicate Conference. Santa Barbara, USA, July 2005.

2. Smith WC, Nakatani Y, **Jiang D**, and Hendrickson C. Modeling notochord morphogenesis: contributions from the planar cell polarity pathway and border capture. 3rd International Tunicate Conference. Santa Barbara, USA, July 2005.

3. Tresser JW, **Jiang D**, Horie T, Tsuda M, Smith WC. The *vagabond* mutation disrupts the central and peripheral nervous system in the larvae of *Ciona savignyi*. 3rd International Tunicate Conference. Santa Barbara, USA, July 2005.

4. Chiba S, **Jiang D**, Satoh N, Smith WC. Microarry profile of the *Ciona intestinalis* notochord mutant *Chobi*. 3rd International Tunicate Conference. Santa Barbara, USA, July 2005.

5. **Jiang D**, Munro E, Smith WC. Ascidian *prickle* is essential for notochord morphogenesis. Society for Developmental Biology 63rd Annual Meeting. Calgary, Canada, July 2004.

6. Tresser JW, **Jiang D**, Smith WC. Pigmentation in the sensory cells of the ascidian larvae is essential for normal behavior. Society for Developmental Biology 63rd Annual Meeting. Calgary, Canada, July 2004.

7. Tresser JW, **Jiang D**, Smith WC. Mutagenesis screening in the Ascidian *Ciona savignyi*. Society for Developmental Biology 62nd Annual Meeting. Boston, MA, July 2003.

8. Keller M, **Jiang D**, Chitnis AB. Zic2 and Zic3 proteins together regulate proneural and neural crest domains in zebrafish. Society for Developmental Biology 62nd Annual Meeting. Boston, MA, July 2003.

9. **Jiang D**, Smith WC. Natural mutations in *Ciona savignyi* in Santa Barbara. International Urochordate Meeting. Marseille, France, October 2003.

10. **Jiang D**, Smith WC. Expression pattern and genomic structure of *Ciona savignyi neurogenin* gene. Evolution of Animal Diversity. Cold Spring Harbor, NY, April 2002.

11. **Jiang D**, Kim CH, Chitnis A. Characterization of "neural" genes that define domains of distinct neurectodermal fate in the zebrafish embryo. Zebrafish Development and Genetics. Cold Spring Harbor, NY, April 2000.

12. **Jiang D**, Kim CH, Chitnis A. Genesis of ectopic neurons in zebrafish "skirt" mutants. Society for Developmental Biology 58th Annual Meeting. Charlottesville, VA, May 1999.

13. **Jiang D**, Lenardo MJ. Molecular regulation of lymphocyte apoptosis. 5th Annual Congress of the British Society for Immunology. Brighton, UK, December 1997.

14. **Jiang D**, Zuniga-Pflucker JC, Lenardo MJ. p53 acts as a molecular checkpoint in early thymocyte development. Gordon Research Conference on Cancer. Newport, RI, August 1996.

15. **Jiang D**, Zuniga-Pflucker JC, Lenardo MJ. Regulated expression of lymphoid specific transcriptional factors in thymocyte development. 14th International Nature North American Conference. Boston, MA, November 1995.

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ADDITIONAL NOMINATIONS AND RECOMMENDATIONS FROM

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