

**Devavani Chatterjea**  
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## Education

Mount Holyoke College, BA 1996, *Magna cum laude*, *Phi Beta Kappa*  
Major: Biological Sciences

Stanford University, PhD, 2001, Program in Immunology  
*Maturation of bone marrow-derived T cell progenitors in euthymic and athymic mice*  
Adviser: Samuel Strober

## Employment

Assistant Professor, Biology, Macalester College, St. Paul, MN	2006- present
Visiting researcher (sabbatical), University of Minnesota, Minn, MN	2010-11
Visiting Asst. Professor, U. California Merced, CA	Summer 2009
Visiting Professor, Biology, Santa Clara University, Santa Clara, CA	Spring, 2006
Instructor, Biology, Stanford University, Stanford, CA	2000
Teaching Associate, Stanford University, Stanford, CA	1998-2000

## Research

- *Visiting researcher, University of Minnesota, Minn, MN*, T cell responses to *Cryptococcus* antigen in Immune Reconstitution Inflammatory Syndrome. 2010-11
- *Primary Investigator, Macalester College, Saint Paul, MN*. Roles of immune cells in inflammatory pain. 2008-present.
- *Primary Investigator, Macalester College, Saint Paul, MN*. Cell migration and stromal cell signaling in T cell development. 2006-present.
- *Senior Research Associate, Immunology Research Division, Genentech, Inc., South San Francisco, CA*. T cell biology and inflammation. 2004-2006.
- *Post-doctoral Scholar, Laboratory of Dr. Stephen J. Galli, Department of Pathology, Stanford University, Stanford, CA*. Mast cell and basophil development; roles for mast cells and basophils in murine models of bacterial and parasite infection. 2001-2004.

## Grants, awards, honors

- American Society for Cell Biology (Women in Cell Biology) Childcare Award, 2010
- American Association of Immunologists Junior Faculty Travel Award, 2010
- NIH R15 NS067536-01A1 (450K): Mast cells in inflammatory pain, 2010-present
- NSF DUE-0837179 (150K): Flow cytometry across the biology curriculum, 2008-present
- NIH-NRSA Post doctoral research fellowship, Stanford University, 2001-2003
- Sarah Williston Scholarship, Mount Holyoke College, 1995-1996

## Selected peer-reviewed publications

Chiang EY, Kolumam GA, Yu X, Francesco M, Ivelja S, Peng I, Gribling P, Shu J, Lee WP, Refino CJ, Balazs M, Paler-Martinez A, Nguyen A, Young J, Barck KH, Carano RA, Ferrando R, Diehl L, Chatterjea D, Grogan JL. *Targeted depletion of lymphotoxin-alpha-expressing TH1 and TH17 cells inhibits autoimmune disease*. Nat Med. 2009 Jul;15(7):766-73.

Lantz, C.S., Chatterjea, D., Tsai, M., Dranoff, G. and Galli, SJ<sup>1</sup>. *IL-3 is required for the increase in blood basophils during nematode infection in mice, but not for basophil IgE-dependent intracellular IL-4 production*; Lab Invest. 2008 Nov;88(11):1134-42.

Chatterjea D, Burns SM, Sciuto TE., Dvorak A, Contag CH, and Galli SJ. *Adoptive transfer of mast cells does not enhance the impaired survival of Kitw/Kitw-v mice in a model of low dose intraperitoneal infection with bioluminescent Salmonella typhimurium*. Immunology Letters 2005;15; 99(1):122-9.

Chatterjea-Matthes D., García-Ojeda ME., Dejbakhsh-Jones S. Jerabek L. Manz MG.. Weissman IL., and Strober S.. *Early prethymic defect in bone marrow T Cell progenitors in athymic nu/nu mice*. J Immunol. 2003 Aug 1; 171(3):1207-15.

Dejbakhsh-Jones S, García-Ojeda ME, Chatterjea-Matthes D, Mukhopadhyay A, Bitmansour A, Brown JMY, and Strober S. *Stepwise development of committed progenitors in the bone marrow that generate functional T cells in the absence of the thymus*. Journal of Immunology 2005; 175 (7); 4363

Maurer M, Wedemeyer J, Metz M, Piliponsky AM, Weller K, Chatterjea D, Clouthier DE, Yanagisawa MM, Tsai M, Galli SJ. *Mast cells promote homeostasis by limiting endothelin-1-induced toxicity*. Nature. 2004 Nov 25; 432(7016):512-6.

Tam S-Y, Tsai M, Snouwaert JN, Kalesnikoff J, Scherrer D, Nakae S, Chatterjea D, Bouley DM, Galli SJ. *RabGEF1 is a negative regulator of mast cell activation and skin inflammation*. Nature Immunol 2004; 5:844-52.

## Submitted

\*Leonor Ano, \*Pavlina Chuntova, \*Grace Linder, \*Udo Obodo, \*Nate Crider, Marcos Garcia-Ojeda, David Matthes, Devavani Chatterjea *Semaphorins 4A, 4D, and 7A are dynamically regulated during early T cell development in the mouse thymus*.

## Professional activities

- Member, National Education Committee, American Association of Immunologists, 2007-present.
- Member, American Association for Advancement of Science, 2008 – present/
- Member, American Society for Cell Biology, 2008-present.
- Co- Director, Program in Community and Global Health, Macalester College, 2007-present.
- Member, Institutional animal care and use committee (IACUC), Macalester College, November 2006-present.

- Panelist, NSF-CCLI proposal review session, National Science Foundation, July 2009.
- Reviewer, Inclusive Science Cluster submissions, Journal of the National Women's Studies Association, January 2009.
- Curator, *Dances & Ceremonies: The inner world of cells; The artwork of Julie Newdoll*, Smail art gallery, Olin-Rice Hall, Macalester College, 2007.
- Invited participant, Public Health and Liberal Learning: AAC&U/CDC/APTR workshop on undergraduate public health education, Washington, DC. July 2007.
- Consultant and workshop leader, Community and Youth Genomics Project, Minnesota Department of Health, 2007-2008
- Curator, *Dances & Ceremonies: The inner world of cells; The artwork of Julie Newdoll*, Smail art gallery, Olin-Rice Hall, Macalester College, 2007.