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EDUCATION/TRAINING

University of Texas Medical Branch, Galveston, TX
Allergy/Immunology Fellowship

University of Arkansas for Medical Sciences, Little Rock, AR
Internal Medicine Residency

University of North Texas Health Science Center, Fort Worth, TX
PhD in Immunology

BOARD CERTIFICATIONS

- American Board of Internal Medicine (ABIM)
- American Board of Allergy and Immunology (ABAI)

PUBLICATIONS

Swapnil Vaidya and Hemant Kulkarni. Association of Urinary Bisphenol A Concentration with Allergic Asthma: Results From the National Health and Nutritional Examination Survey 2005-2006. *Journal of Asthma*. Oct 2012; 49(8), 800-806.

Murai, H., Choudhury, B, Qi, H., Wild, J. Dharajiya, N., **Swapnil Vaidya**, Kalita, A., Bacsı, A, Corry, D., Kurosky, A, Brasier, A, Boldogh, I., and Sur, S. Alternaria-induced release of IL-18 from damaged airway epithelial cells: An NF- κ Bdependent mechanism of Th2 differentiation. *PLoS One*. 2012; 7(2):e30280. Epub 2012 Feb 7.

Nilesh Dharajiya, **Swapnil Vaidya**, Hiroki Murai, Alexander Kurosky, Victor Cardenas, Istvan Boldogh and Sanjiv Sur. Fc γ RIIb Inhibits Allergic Airway Inflammation in a Murine Model of Allergic Asthma. *PLoS One*. 2010 Feb 22;5(2):e9337.

Nilesh Dharajiya, Swapnil Vaidya, Mala Sinha, Bruce Luxon, Istvan Boldogh and Sanjiv Sur. Allergen Challenge Induces Ifng Dependent GTPases in the Lungs as Part of a Th1 Transcriptome Response in a Murine Model of Allergic Asthma. *PLoS One*, 2009 Dec 21;4(12):e8172.

Paul Porter, Sarat C. Susarla, Sumanth Polikepahad, Yuping Qian, Jean Hampton, Attila Kiss, **Swapnil Vaidya**, Sanjiv Sur, George L. Delclos, Stuart Abramson, Farrah Kheradmand and David B. Corry. Link Between Allergic Asthma and Airway Mucosal Infection Suggested by Proteinase-Secreting Household Fungi. *Mucosal Immunol*. 2009 Nov; 2(6):504-17. Epub 2009 Aug 26.

Jae-Kyung Lee, Stephen O. Mathew, **Swapnil Vaidya**, Pappanaicken R. Kumaresan, Porunelloor A. Mathew. CS1 (CRACC, CD319) induces proliferation and autocrine cytokine expression on human B lymphocytes. *J Immunol*. 2007; 179(7), 4672-8.

Stephen O. Mathew, **Swapnil Vaidya**, Jongrok Kim and Porunelloor A. Mathew. Human natural killer cell receptor 2B4 (CD244) down-regulates its own expression by reduced promoter activity at an Ets element. *Biochem. Biophys. Res. Commun*. 2007; 355 (2), 483-487.

Swapnil Vaidya and Porunelloor A. Mathew. Of Mice and Men: Different functions of murine and human 2B4 (CD244) on natural killer cells. *Immunol. Lett*. 2006; 105(2), 180-184.

Swapnil Vaidya, Susan E. Stepp, Megan E. McNerney, Jae-Kyung Lee, Michael Bennett, Colin L. Stewart, Vinay

Kumar and Porunelloor A. Mathew. Targeted disruption of the 2B4 gene in mice reveals an in vivo role of 2B4 (CD244) in the rejection of B16 melanoma cells. *J. Immunol.* 2005; 174(2); 800-807.

Swapnil Vaidya and Porunelloor A. Mathew. An Ets element regulates the transcription of 2B4 (CD244) gene in human natural killer cells. *Biochim. Biophysic. Acta* 2005; 1728(3), 181-185.

Porunelloor A. Mathew, Samuel S. Chuang, **Swapnil Vaidya**, Pappanaicken R. Kumaresan, Kent S. Boles and Hoang-Tuan K. Pham. The LLT1 Receptor Induces IFN- γ Production by Human Natural Killer Cells. *Molecular Immunology* 2004; 40(16), 1157-1163.

PRESENTATIONS

Swapnil Vaidya, H. Murai, A. Kalita, S. Sur. Ragweed Extract Provides Danger Signal to Human Dendritic Cells That Facilitates a Th2 Response Against Bystander Antigens. *2010 AAAAI Meeting, New Orleans LA, Abstract #419*

Swapnil Vaidya, Adrienne Tinana, Randall Goldblum and Meera Gupta. Allergic Reaction to the Inactive Ingredients of Increlex. *2009 ACAAI meeting, Miami FL, Abstract #P184*

Swapnil Vaidya, Nilesh Dharajiya, Bhupinder Singh, Mala Sinha, Istvan Boldogh and Sanjiv Sur. Genes Involved in the Allergic Airway Inflammation Induced by Ragweed Extract (RWE) Associated NADPH Oxidase. *2009 AAAAI meeting, Washington DC, Abstract #769*

Swapnil Vaidya, Susan E. Stepp, Megan E. McNerney, Jae-Kyung Lee, Michael Bennett, Vinay Kumar and Porunelloor A. Mathew. Gender specific in vivo role of 2B4 in tumor rejection as revealed by differential metastasis of B16 melanoma cells in 2B4^{-/-} mice. *8th Annual Meeting of the Society for Natural Immunity and 20th International Natural Killer Cell Workshop, April 2004. Abstract #063.*

Swapnil Vaidya, Susan E. Stepp, Jae-Kyung Lee, Colin L. Stewart, Michael Bennett, Vinay Kumar and Porunelloor A. Mathew. In vivo role of 2B4 in tumor rejection as revealed by differential metastasis of B16 melanoma in 2B4 deficient male and female mice. *The FASEB Journal Immunology* 2003 April; 17(7); 18 (late breaking abstract addendum); Abstract #B344.

Swapnil Vaidya and Porunelloor A. Mathew. In vivo role of the natural killer cell receptor 2B4 (CD244) in tumor rejection. *UNTHSC, Fort Worth, TX; Research Appreciation Day 2004.*

HONORS & AWARDS

- Kaiser Awards for Excellence in Teaching 2012 nominee, University of California San Francisco
- American Academy of Allergy, Asthma and Immunology (AAAAI) Fellows-in-Training Travel Award, 2010
- American Academy of Allergy, Asthma and Immunology (AAAAI) Fellows-in-Training Travel Award, 2009
- American College of Allergy, Asthma and Immunology (ACAAI) Fellows-in-Training Travel Award, 2009
- Sigma-Xi Grant for the project "Identification of a Novel Tumor Associated Ligand for the NK Cell Receptor 2B4"
- Outstanding Graduate Student in Microbiology and Immunology (UNTHSC), 2004 - 2005
- Biomedical Sciences award (UNTHSC) for exceptional academic performance, Spring 2001
- Biomedical Sciences award (UNTHSC) for exceptional academic performance, Fall 2000

PROFESSIONAL MEMBERSHIPS

- American Academy of Allergy, Asthma and Immunology (AAAAI)
- American College of Allergy, Asthma and Immunology (ACAAI)
- Joint Council of Allergy, Asthma and Immunology (JCAAI)
- Sigma Xi
- UNTHSC Alumni Association