

Dr. Kavita Reginald

Position: Lecturer
E-Mail: kavitar@sunway.edu.my
Office Extension: 7227



Education:

Ph.D (Allergy), National University of Singapore, Singapore

B. Sc. Biotechnology (First Class Hons.), Universiti Putra Malaysia, Malaysia

Teaching:

Clinical Chemistry (BIO1074)

Pathology

Brief Employment History:

2015-2017 British International School of Tunis, Tunis, Tunisia: Secondary Science Teacher (IGCSE)

2011-2013 Centre d'Immunologie Marseille Luminy, Marseille, France: Post-Doctoral Fellow

2007-2010 Medical University of Vienna, Vienna, Austria: Post-Doctoral Fellow

Research Interests:

I am interested to investigate the immunological changes that occur upon immunotherapy. During my PhD and postdoctoral years, I have focussed on immunotherapy in allergic individuals. Here, in Sunway University, I extend this knowledge to study the effects of immunotherapy in dengue infected individuals. In addition, I am interested to understand the host immune response triggered by dengue infection, in terms of both humoral and cellular mediated immunity.

Selected Publications:

1. **Reginald K**, Chaoui K, Roncagalli R, Beau M, Goncalves Menoita M, Monsarrat B, Burlet-Schiltz O, Malissen M, Gonzalez de Peredo A, Malissen B. Revisiting the Timing of Action of the PAG Adaptor Using Quantitative Proteomics Analysis of Primary T Cells. *J Immunol*. 195: 5472-81, 2015.

2. **Reginald K**, Eckl-Dorna J, Zafred D, Focke-Tejkl M, Lupinek C, Niederberger V, Keller W, Valenta R. Different modes of IgE binding to CD23 revealed with major birch allergen, Bet v 1-specific monoclonal IgE. *Immunol Cell Biol.* 91:167-72, 2013.
3. **Reginald K**, Westritschnig K, Linhart B, Focke-Tejkl M, Jahn-Schmid B, Eckl-Dorna J, Heratizadeh A, Stöcklinger A, Balic N, Spitzauer S, Niederberger V, Werfel T, Thalhamer J, Weidinger S, Novak N, Ollert M, Hirschl AM, Valenta R. Staphylococcus aureus fibronectin-binding protein specifically binds IgE from patients with atopic dermatitis and requires antigen presentation for cellular immune responses. *J Allergy Clin Immunol.* 128: 82-91, 2011.
4. **Reginald K**, Westritschnig K, Werfel T, Heratizadeh A, Novak N, Focke-Tejkl M, Hirschl AM, Leung DY, Elisyutina O, Fedenko E, Valenta R. Immunoglobulin E antibody reactivity to bacterial antigens in atopic dermatitis patients. *Clin Exp Allergy.* 41: 357-69, 2011.
5. Kidon MI, Chin CW, Kang LW, Ching OT, Seng TY, Ning WK, Angus AC, Theng OS, Feng GY, **Reginald K**, Zhi BX, Shen SH, Tim CF. Mite component-specific IgE repertoire and phenotypes of allergic disease in childhood: the tropical perspective. *Pediatr Allergy Immunol.* 22: 202-10, 2011
6. Lupinek C, Roux KH, Laffer S, Rauter I, **Reginald K**, Kneidinger M, Blatt K, Ball T, Pree I, Jahn-Schmid B, Allam JP, Novak N, Drescher A, Kricek F, Valent P, Englund H, Valenta R. Trimolecular complex formation of IgE, Fc(epsilon)RI, and a recombinant nonanaphylactic single-chain antibody fragment with high affinity for IgE. *J Immunol.* 182: 4817-29, 2009
7. **Reginald K**, Sew YS, Haroon-Rashid L, Kulaveerasingam H, Tan SH, Chew FT. Chapter 49. Identification of putative *Tyrophagus putrescentiae* allergens with sequence homology to other known allergens by Expressed Sequence Tagging. Progress in Clinical Immunology and Allergy in Medicine. Edited by Gianni Marone. 2002.
8. **Reginald K**, Chew FT. Epitope mapping of Der p 2 by site directed mutagenesis: Differential IgE binding epitope profile among individuals sensitized to only Dermatophagoides spp. and those with non-pyroglyphid mite responses. The 62nd American Academy of Allergy and Immunology Annual Meeting, Miami, FL, United States of America March 3-7, 2006. Published in: *J Allergy Clin Immunology*, 117 (2): S118
9. **Reginald K**, Wenk MR, Chew FT. The major mite allergen, Der p 2 is a sterol binding protein. The 9th Biological Sciences Graduate Congress, Chulalongkorn University, Bangkok, Thailand, December 16-18 2004.

Patent

Valenta R, **Reginald K**, Westritsching K, Linhart B, Stöcklinger A, Thalhamer J, Hirschl A M, Werfel T, Greisenegger E, Kopp T : S. aureus-allergen/ Biomay July 2012: EP 2475995-A1, filed on 10/09/2010, published on 5/07/2012, applicant BIOMAY AG.