

Selected Publications

1. Mueller GA, Gosavi RA, Krahn JM, Edwards LL, Cuneo MJ, Glesner J, Pomés A, Chapman MD, London RE, Pedersen LC. The Der p 5 crystal structure provides insight into the Group 5 dust mite allergens. *J Biol Chem*. 2010 Jun 9. [Epub ahead of print <<http://www.jbc.org/cgi/doi/10.1074/jbc.M110.128306>>] 
2. Mueller GA, Edwards LL, Aloor JJ, Fessler MB, Glesner J, Pomés A, Chapman MD, London RE, Pedersen LC. The structure of the dust mite allergen Der p 7 reveals similarities to innate immune proteins. *J Allergy Clin Immunol*. 2010 Apr;125(4):909-917.
3. Hulse KE, Reefer AJ, Engelhard VH, Patrie JT, Ziegler SF, Chapman MD, Woodfolk JA. Targeting allergen to FcγRI reveals a novel T(H)2 regulatory pathway linked to thymic stromal lymphopoietin receptor. *J Allergy Clin Immunol*. 2010 Jan;125(1):247-56.
4. Chapman MD. Lateral Flow Tests for Allergy Diagnosis: Point-of-Care or Point of Contention? *Int Arch Allergy Immunol*. 2010 Feb 26;152(4):301-302.
5. Pomés A. Relevant B cell epitopes in allergic disease. *Int Arch Allergy Immunol*. 2010;152(1):1- 11. 
6. Chruszcz M, Chapman MD, Vailes LD, Stura EA, Saint-Remy JM, Minor W, Pomés A. Crystal structures of mite allergens Der f 1 and Der p 1 reveal differences in surface- exposed residues that may influence antibody binding. *J Mol Biol*. 2009 Feb 20;386(2):520-30.
7. Chapman MD, Ferreira F, Villalba M, Cromwell O, Bryan D, Becker WM, Fernández-Rivas M, Durham S, Vieths S, van Ree R; CREATE consortium. The European Union CREATE project: a model for international standardization of allergy diagnostics and vaccines. *J Allergy Clin Immunol*. 2008 Nov;122(5):882-889. 

8. Li M, Gustchina A, Alexandratos J, Wlodawer A, Wünschmann S, Kepley CL, Chapman MD, Pomés A. Crystal structure of a dimerized cockroach allergen Bla g 2 complexed with a monoclonal antibody. J Biol Chem. 2008;283:22806-14. 
9. King EM, Vailes LD, Tsay A, Satinover SM, Chapman MD. Simultaneous detection of total and allergen-specific IgE by using purified allergens in a fluorescent multiplex array. J Allergy Clin Immunol. 2007;120:1126-31. 
10. Earle CD, King EM, Tsay A, Pittman K, Saric B, Vailes L, Godbout R, Oliver KG, Chapman MD. High-throughput fluorescent multiplex array for indoor allergen exposure assessment. J Allergy Clin Immunol. 2007;119:428-33. 
11. Chapman MD, Pomés A, Breiteneder H, Ferreira F. Nomenclature and structural biology of allergens. J Allergy Clin Immunol. 2007;119:414-20. 
12. Wünschmann S, Gustchina A, Chapman MD, Pomés A. Cockroach allergen Bla g 2: an unusual aspartic proteinase. J Allergy Clin Immunol. 2005;116:140-5. 
13. Pomés A, Helm RM, Bannon GA, Burks AW, Tsay A, Chapman MD. Monitoring peanut allergen in food products by measuring Ara h 1. J Allergy Clin Immunol. 2003;111:640-5. 
14. Tsay A, Williams L, Mitchell EB, Chapman MD; A rapid test for detection of mite allergens in homes. Clin Exp Allergy. 2002;32:1596-601.
15. Vailes LD, Sun AW, Ichikawa K, Wu Z, Sulahian TH, Chapman MD, Guyre PM. High-level expression of immunoreactive recombinant cat allergen (Fel d 1): Targeting to antigen-presenting cells. J Allergy Clin Immunol. 2002;110:757-62. 
16. Pomés A, Villalba M. Alérgenos. In: Tratado de Alergia. Ergon. Ed. A. Peláez Hernández and I.J. Dávila González, Madrid, Spain, 2007; Tomo I:3-26.
17. Chapman MD. Indoor allergens. In: Pediatric Allergy, Principles and Practice. First Edition. Mosby. Ed. DYM Leung, HA Sampson, RS Geha, SJ Szefer. 2003; Chapter 25: 261-68.