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Publications since 2006:

Peer-Reviewed Articles

1. Beaugregard C, Huq SO, Barabino S, Zhang Q, Kazlauskas A, Dana MR. Keratocyte apoptosis and failure of corneal allografts. *Transplantation* 2006; 81:1577-82.
2. Tsai PS, Evans JE, Green KM, Sullivan R, Schaumberg DA, Richards SM, Dana MR, Sullivan DA. Proteomic analysis of human meibomian gland secretions. *Br J Ophthalmology* 2006; 90:372-7.
3. Gulati A, Sacchetti M, Bonini S, Dana R. Chemokine Receptor CCR5 Expression in Conjunctival Epithelium of Patients with Dry Eye Syndrome. *Arch Ophthalmol* 2006; 124: 710-716.
4. Sullivan BD, Evans JE, Dana MR, Sullivan DA. Influence of aging on the polar and neural lipid profiles in human meibomian gland secretions. *Arch Ophthalmol* 2006; 124:1286-1292.
5. Gulati A, Sullivan R, Buring JE, Sullivan DA, Dana R, Schaumberg DA. Validation and repeatability of a short questionnaire for dry eye syndrome. *Am J Ophthalmol* 2006; 142: 125-131.
6. Cursiefen C, Chen L, Saint-Geniez M, Hamrah P, Jin Y, Rashid S, Pytowski B, Persaud K, Wu Y, Streilein JW, Dana R. Nonvascular VEGFR-3 expression by corneal epithelium maintains avascularity and vision. *Proc Nat Acad Sci USA* 2006; 103:11405-11410.
7. Dana R, Nussenblatt R, Gordon L. Advances in immunology: From bench to bedside. *Ocular Immunol Infl* 2006; 14:1-6.
8. McDermott AM et al. Pathways of corneal and ocular surface inflammation: a perspective from the Cullen Symposium. *Ocular Surface* 2006; 3: S131-138.
9. Schaumberg DA, Gulati G, Mathers WD, Clinch T, Lemp M, Nelson JD, Foulks GN, Dana R. Development and Validation of a Global Dry Eye Symptom Index. [Innovative Techniques and Technology] *Ocular Surface* 2007: in press.
10. Chen L, Huq S, Gardner H, de Fougères AR, Barabino S, Dana MR. Very Late Antigen (VLA)-1 Blockade Markedly Promotes Survival of Corneal Allografts. *Arch Ophthalmol* 2007: in press.
11. Hamrah P, Yamagami S, Liu Y, Zhang Q, Vora SS, Lu B, Gerard CJ, Dana MR. Deletion of the chemokine receptor CCR1 prolongs corneal allograft survival. *Invest Ophthalmol Vis Sci*. 2007: in press.

12. Miljanović B, Dana MR, Sullivan DA, Schaumberg DA. Impact of dry eye syndrome on vision-related quality of life. *Am J Ophthalmol* 2007; 143: in press.
13. Bron A et al for The Dry Eye Workshop Subcommittee. The Definition and Classification of Dry Eye Disease. *Ocular Surface* 2007: in press.
14. Shen L, Barabino S, Taylor AW, Dana MR. The effect of the ocular microenvironment in regulating corneal dendritic cell maturation. *Arch Ophthalmol* 2007: in press.
15. Foulks G et al for The Dry Eye Workshop Subcommittee. Clinical trial design in dry eye. *Ocular Surface* 2007: in press.

Chapters & Reviews

16. Dana MR. Normal physiology of the ocular surface. Chapter III, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
17. Dana MR. Diagnostic approach to ocular surface disease. Chapter IV, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
18. Dana MR. Ocular immunology. Chapter VIII, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
19. Dana MR. Degenerative and aging changes of the conjunctiva, cornea, and sclera. Chapter XVI, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
20. Dana MR. Clinical approach to depositions and degenerations of the conjunctiva and cornea. Chapter XVII, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
21. Dana MR. Wound healing of the conjunctiva, cornea, and sclera. Chapter XVIII, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
22. Dana MR. Clinical aspects of toxic and traumatic injuries of the anterior segment. Chapter XIX, Section 8, *Basic and Clinical Science Course, American Academy of Ophthalmology*, San Francisco, 2006.
23. Barabino S, Dana MR. Dry Eye Syndromes. In: Niederkorn JY, Kaplan H. Immune Response and the Eye. *Chemical Immunol Allergy* 2007; 92: 176-184.

24. Barabino S, Rashid S, Dana MR. Modulation of Inflammation and Immunity in Dry Eye Disease. In: Asbell P, Lemp M. Dry Eye Disease. Thieme Medical Publishers, Pennsylvania. Chap 8, pp: 95-100.
25. Dana R. Corneal antigen-presenting cells (APC): What have we learned from transplantation? In: Zierhut M, Ed. Antigen Presenting Cells. Swets & Zeitlinger, 2006.
26. Dana MR. Angiogenesis and lymphangiogenesis: Novel implications for corneal immunity. *Sem Ophthalmol* 2006; 21:19-22.
27. Singer MS, Dana R. Recent advances in the global effort to eradicate trachoma. *Int Ophthalmol Cl* 2006; 46: 79-90.
28. Rashid S, Dana R. Cicatrizing and autoimmune disorders. In: Niederkorn JY, Kaplan H. Immune Response and the Eye. *Chemical Immunol Allergy* 2007; 92:195-202.
29. Hamrah P, Dana MR. Antigen-presenting cells. In: Niederkorn JY, Kaplan H. Immune Response and the Eye. *Chemical Immunol Allergy* 2007; 92: in press.
30. Chong E-M, Dana MR. Acanthamoeba keratitis. *Int Ophthalmol Cl* 2007; in press.
31. Chong E-M, Dana MR. Immunologic mechanisms of corneal transplant rejection. *Int Ophthalmology*. Special Corneal Transplantation Issues 2007. In press.
32. Dana MR, Chong E-M, Foster CS. Adult Rheumatoid Arthritis. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
33. Dana MR, Chong E-M, Foster CS. Scleroderma. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
34. Chong E-M, Harissi-Dagher M, Dana MR. Wetting of the Ocular Surface ad Dry Eye Disorders. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
35. Dana MR and Foster CS. Immunology- An Overview. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
36. Kim SS, Kim RY, Dana MR. Graft-Versus-Host Disease. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.

37. Dana MR, Streilein JW. T Lymphocyte Responses. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
38. Dana MR and Foster CS. Regulation of Immune Responses. In: Albert & Jakobiec's Principles & Practice of Ophthalmology. Albert DM, Miller JW et al, eds. Saunders, Philadelphia, PA, 3rd ed, in press, 2008.
39. Niederkorn J and Dana MR. Immune System and the Eye. In: Yorio T, Clark AF, Wax M. Ocular Therapeutics: An Eye on New Discoveries. Academic Press, Elsevier, 2007: in press.

Nonprint Materials

1. Stone JH, Dana MR. Episcleritis. In: Schur PH, ed. UpToDate in Rheumatology: Official educational program of the American College of Rheumatology. Wellesley: UpToDate Inc., 2007.
2. Stone JH, Dana MR. Clinical manifestations and diagnosis of scleritis. In: Schur PH, ed. UpToDate in Rheumatology: Official educational program of the American College of Rheumatology. Wellesley: UpToDate Inc., 2007.
3. Stone JH, Dana MR. Treatment of scleritis. In: Schur PH, ed. UpToDate in Rheumatology: Official educational program of the American College of Rheumatology. Wellesley: UpToDate Inc., 2007.

Abstracts (Excludes 128 abstracts published already as articles)

1. Jin Y., Chong E-M., Shen L., Chen L., Zhang, Q., and Dana R. The Role of Chemokine Receptor CCR7 in Corneal Antigen-Presenting Cells Trafficking. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 1277.
2. Rashid S., Jin Y., and Dana R. Changes in Corneal Immune Cells and Inflammatory Cytokines in the Controlled Environmental Chamber Dry Eye Murine Model. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 1281.
3. Zhang X., Jin Y., Chen L., Shen L., Rashid S., Zhang Q., and Dana R. Corneal Antigen-Presenting Cell Depletion after Prolonged Storage of Corneal Buttons. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 1297.
4. Choopong P., Dana R., and Dryja, T.P. Rapid Mid-Stromal Corneal Calcification in *Acanthamoeba* keratitis. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 3576.

5. Fabiani C., Barabino S., Rashid S., and Dana R. Corneal Epithelial Proliferation and Thickness in a Mouse Model of Dry Eye. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 5578.
6. Barabino S., Rolando M., Bonini S., Mingari C., Moretti S., Micera A., and Dana R. Toll-Like Receptor (TLR) 2 and TLR4 Expression in Dry Eye. *Invest. Ophthalmol. Vis. Sci.* 2006: Abstract 5594.
7. Boisgérault F, Liu Y, Ehrlich E, Dana MR, Benichou G. Different mechanisms govern the T cell response to and rejection of skin and corneal allotransplants. Cognate vs. non-cognate CD4⁺ T cell alloresponses in transplant rejection. *World Transplant Congress Abstract*, 2006.
8. Shen L, Jin Y, Freeman, G, Sharpe, A, Dana, R. The Role of Donor versus Recipient PD-L1 in Corneal Allograft Survival. *Invest. Ophthalmol. Vis. Sci.* 2007.
9. El-Annan, J, Ecoiffier, T, Freeman, G, Sharpe, A, Dana, R. Programmed Death-Ligand 1 (PD-L1) Down-Regulation in Corneal Epithelial Cells: A Potential Role in Mediating Dry Eye-Associated Inflammation. *Invest. Ophthalmol. Vis. Sci.* 2007.
10. Saban D, Chauhan S, Jin Y, Zhang Q, and Dana R. Assessing Allospecific Ignorance to Graft Endothelium using “Chimeric Keratoplasty.” *Invest. Ophthalmol. Vis. Sci.* 2007.
11. Ecoiffier T, Rashid S, Dana R. Role of Alpha-4 Beta-1 Integrin (VLA-4) in Dry Eye Syndrome. *Invest. Ophthalmol. Vis. Sci.* 2007.
12. Chauhan S, Saban D, and Dana R. Increased Frequency of CD4⁺CD25⁺Foxp3⁺ Regulatory T Cells in the Murine Model of Corneal Transplantation. *Invest. Ophthalmol. Vis. Sci.* 2007.
13. Miljanovic B, Dana MR, Sullivan DA, Schaumberg DA. Prevalence and risk factors for dry eye syndrome among older men in the United States. *Invest. Ophthalmol. Vis. Sci.* 2007.
14. Chung E, Dana R. Differential Effects of VEGF-C versus Mutant (Cys156Ser) VEGF-C on Murine Corneal Neovascularization. *Invest. Ophthalmol. Vis. Sci.* 2007.
15. Zhang X, Shen L, Jin Y, Dana R. Antigen-Presenting Cell Depletion from Corneal Buttons. *Invest. Ophthalmol. Vis. Sci.* 2007.
16. Jin Y, Arita M, Zhang Q, Serhan C, Dana R. Aspirin-triggered Lipoxin Agonist (ATLa) Inhibits Corneal Angiogenesis. *Invest. Ophthalmol. Vis. Sci.* 2007.

17. Dastjerdi MH, Hamrah P, Dana MR, Pavan-Langston D. Corneal sensation and morphology of corneal nerves in herpes zoster ophthalmicus: an in vivo confocal microscopy study. *Invest. Ophthalmol. Vis. Sci.* 2007.
18. Hamrah P, Dastjerdi MH, Chen A, Dana MR, Pavan-Langston D. Comparison of corneal nerve alterations and corneal sensitivity in herpes simplex keratitis with in vivo confocal microscopy. *Invest. Ophthalmol. Vis. Sci.* 2007.
19. Cursiefen C, Bock F, Onderka J, Kruse F, Maruyama K, Lawler J, Dana R, Masli S. Thrombospondin 1 is an endogenous inhibitor of inflammatory lymphangiogenesis and maintains corneal lymphangiogenic privilege. *Invest. Ophthalmol. Vis. Sci.* 2007.