

**Sjogren Syndrome, Systemic Sclerosis, and Other Systemic Autoimmune Diseases**

- Giannakopoulos B, Krilis SA: The pathogenesis of the antiphospholipid syndrome. *New Engl J Med* 368:1033, 2013. [An excellent review of the clinical features and pathogenesis of this enigmatic syndrome.]
- Jennette JC, Falk RJ, Hu P, et al: Pathogenesis of antineutrophil cytoplasmic autoantibody-associated small-vessel vasculitis. *Annu Rev Pathol* 8:139–60, 2013. [A comprehensive review of the clinical and pathologic features and pathogenesis of small vessel vasculitis.]
- Katsumoto TR, Whitfield ML, Connolly MK: The pathogenesis of systemic sclerosis. *Annu Rev Pathol* 6:509, 2011. [An excellent review of the pathogenesis of systemic sclerosis, and the many unanswered questions.]
- Mahajan VS, Mattoo H, Deshpande V, et al: IgG4-related disease. *Annu Rev Pathol* 9, in press, 2014. [An excellent review of the clinical and pathologic features and likely autoimmune pathogenesis of a quite recently identified multisystem fibrotic disease.]
- Voulgarelis M, Tzioufas AG: Pathogenetic mechanisms in the initiation and perpetuation of Sjögren's syndrome. *Nat Rev Rheumatol* 6:529, 2010. [A good discussion of what is known and not known about the pathogenesis of Sjögren syndrome.]

**Rejection of Transplants**

- Gras S, Kjer-Nielsen L, Chen Z, et al: The structural bases of direct T-cell allorecognition: implications for T-cell-mediated transplant rejection. *Immunol Cell Biol* 89:388–95, 2011. [An excellent review of the molecular basis of T cell recognition of allogeneic MHC molecules.]
- Kinnear G, Jones ND, Wood KJ: Costimulation blockade: current perspectives and implications for therapy. *Transplantation* 95:527–35, 2013. [An excellent update on the role of costimulators in T cell activation and the therapeutic targeting of costimulatory pathways to treat transplant rejection.]
- Mitchell RN: Graft vascular disease: immune response meets the vessel wall. *Annu Rev Pathol* 4:19, 2009. [A review of the mechanisms that lead to vascular disease in chronic graft rejection.]
- Nagy ZA: Alloreactivity: an old puzzle revisited. *Scand J Immunol* 75:463–70, 2012. [A thoughtful discussion of the evolution of ideas about allorecognition, and the current understanding of the phenomenon.]
- Nankivell BJ, Alexander SI: Rejection of the kidney allograft. *N Engl J Med* 363:1451, 2010. [Good review of the mechanisms of recognition and rejection of allografts and the development of new strategies for treating rejection.]
- Tang Q, Bluestone JA, Kang SM: CD4(+)Foxp3(+) regulatory T cell therapy in transplantation. *J Mol Cell Biol* 4:11–21, 2012. [An excellent review of the potential for Treg therapy of graft rejection and the challenges facing clinical application.]
- Wood KJ, Goto R: Mechanisms of rejection: current perspectives. *Transplantation* 93:1–10, 2012. [An excellent review of the steps in the

recognition of alloantigens and the activation of alloreactive lymphocytes, and the mechanisms of graft rejection.]

**Primary Immunodeficiency Diseases**

- Fischer A: Human primary immunodeficiency diseases. *Immunity* 28:835, 2008. [An excellent summary of primary immunodeficiencies affecting the innate and adaptive immune systems.]
- Notarangelo LD: Functional T cell immunodeficiencies (with T cells present). *Annu Rev Immunol* 31:195–225, 2013. [A detailed review of inherited defects in T cell survival and activation, independent of their maturation.]
- Parvaneh N, Casanova JL, Notarangelo LD, et al: Primary immunodeficiencies: a rapidly evolving story. *J Allergy Clin Immunol* 131:314–23, 2013. [An excellent review of newly described primary immunodeficiency syndromes.]
- Pieper K, Grimbacher B, Eibel H: B-cell biology and development. *J Allergy Clin Immunol* 131:959–71, 2013. [A review of the development of B cells and inherited defects causing developmental disorders with immunodeficiency.]

**HIV and Aids**

- Douek DC, Roederer M, Koup RA: Emerging concepts in the immunopathogenesis of AIDS. *Annu Rev Med* 60:471, 2009. [A balanced discussion of the pathogenesis of AIDS, and the still unresolved issues.]
- Moir S, Chun TW, Fauci AS: Pathogenic mechanisms of HIV disease. *Annu Rev Pathol* 6:223, 2011. [A discussion of current concepts of the mechanisms by which HIV causes immunodeficiency.]
- Walker B, McMichael A: The T-cell response to HIV. *Cold Spring Harb Perspect Med* 2:a007054, 2012. [An excellent review of the development, control and functions of T cell responses to HIV infection, and how the virus evades these responses.]

**Amyloidosis**

- Buxbaum JN, Linke RP: A molecular history of the amyloidoses. *J Mol Biol* 421:142–59, 2012. [A thoughtful review of how our understanding of amyloid proteins and their role in disease has evolved, and the molecular studies that have led to current concepts.]
- Obici L, Merlini G: AA amyloidosis: basic knowledge, unmet needs and future treatments. *Swiss Med Wkly* 142:w13580, 2012. [A thorough review of the most common form of amyloid, including its formation and pathologic effects, and strategies for treating diseases caused by amyloid deposition.]
- Pepys MB: Amyloidosis. *Annu Rev Med* 57:223, 2006. [An excellent review of the pathogenesis, clinical features and therapeutic approaches in amyloidosis.]