

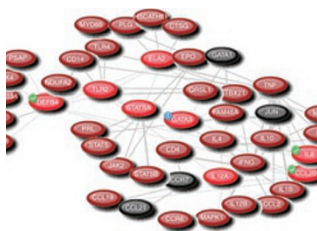
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IL-17 and inflammatory bowel disease

In News & Highlights, Ivan Fuss discusses studies addressing the role of interleukin-17 (IL-17) and interferon- γ in inflammatory bowel disease, including recent clinical trials using anti-IL-17A-neutralizing antibodies. [See page 366](#)

Facets of TL1A

Focusing on two articles in the March 2011 issue of *Mucosal Immunology*, Hailing Hsu and Joanne Viney examine recent insights into the functions of TL1A (TNFSF15) and its receptor DR3 in driving inflammation in the gut and lung. [See page 368](#)



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Immunity to *Salmonella*

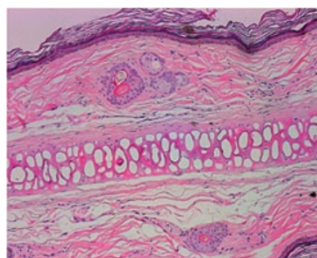
Amanda Griffin and Stephen McSorley review progress in elucidating the induction and evasion of immunity to *Salmonella* infections. [See page 371](#)

Organ cultures for HIV

Peter Southern and colleagues discuss recent progress and limitations in the use of human organ culture systems to study early phases of HIV infection. [See page 383](#)

IL-13 and conjunctival goblet cells

Cintia De Paiva and colleagues demonstrated that interleukin-13 produced by natural killer T cells induces the development of goblet cells in the conjunctiva of the eye, a function that is lost under conditions of desiccating stress. [See page 397](#)



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Gingival defense

Lei Yin and Whasun Chung showed that epigenetic modifications affect the production of human β -defensin 2 and CC chemokine ligand 20 from gingival epithelial cells in response to oral bacteria. [See page 409](#)

Stromal cell cytokines in inflammatory bowel disease

Kayci Huff and colleagues investigated the effects on CD4⁺ T-cell differentiation of cytokines from intestinal stromal cells from individuals with and without inflammatory bowel disease. [See page 420](#)

CD4⁺ T cells and bladder inflammation

Wujiang Liu and colleagues described the ability of activated CD4⁺ T cells to cause bladder inflammation in mice expressing ovalbumin in urothelial cells. [See page 428](#)

Bile retinoids imprint CD103⁺ dendritic cells

Elin Jaensson-Gyllenbäck and colleagues determined that bile retinoids are sufficient to imprint CD103⁺ dendritic cells for the induction of homing receptors on gut-tropic T cells. [See page 438](#)

IL-17 and oral candidiasis

Heather Conti and co-workers identified a novel role for interleukin-17 in driving candidacidal protein production in the saliva, which is lacking in patients who lack T helper type 17 cells because of mutations in the signal transducer and activator of transcription 3 transcription factor. [See page 448](#)

Transcutaneous immunization for otitis media

Laura Novotny and colleagues demonstrated that transcutaneous immunization is an effective mechanism for control of otitis media in an animal model of *Haemophilus influenzae* infection. [See page 456](#)

Regulation of pIgR by NF- κ B

Maria Bruno and co-workers found that expression of interleukin-8 and that of the polymeric immunoglobulin receptor by Toll-like receptor-activated epithelial cells are differentially dependent on RelA and RelB signaling. [See page 468](#)