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Anna Kurdowska, Ferdicia K. Corr, Michael D. Stevens, Robert P. Baughman, and Thomas R. Martin
1941  Analysis of Human Common Bile Duct-Associated T Cells: Evidence for Oligoclonality, T Cell Clonal Persistence, and Epithelial Cell Recognition

Christopher S. Probert, Andreas D. Christ, Lawrence J. Saubermann, Jerrold R. Turner, Andreas Chott, David Carr-Locke, Steven P. Balk, and Richard S. Blumberg

1949  Human T Cell Responses Induced by Vaccination with Mycobacterium bovis Bacillus Calmette-Guérin

Pernille Ravn, Henriette Boesen, Bente Klarlund Pedersen, and Peter Andersen

1956  C-X-C and C-C Chemokines Are Expressed in the Cerebrospinal Fluid in Bacterial Meningitis and Mediate Chemotactic Activity on Peripheral Blood-Derived Polymorphonuclear and Mononuclear Cells In Vitro

Katharina-Susanne Spanaus, David Nadal, Hans-Walter Pfister, Jörg Seebach, Urs Widmer, Karl Frei, Sergio Gloor, and Adriano Fontana

1965  T Cell Receptor of Fas-Sensitive T Cells in Rheumatoid Synovium

Takayuki Sumida, Tran Thi Minh Hoa, Hiroshi Asahara, Tomoko Hasunuma, and Kusuki Nishioka

1971  Effects of IL-10 on Systemic Inflammatory Responses During Sublethal Primate Endotoxemia

Tom van der Poll, Patty M. Jansen, Walton J. Montegut, Carla C. Braxton, Steve E. Calvano, Sarah A. Stackpole, Sidney R. Smith, Steven W. Swanson, C. Erik Hack, Stephen F. Lowry, and Lyle L. Moldawer

1976  Lipoprotein from Yersinia enterocolitica Contains Epitopes That Cross-React with the Human Thyrotropin Receptor

Hongwei Zhang, Indreshpal Kaur, David W. Niesel, Gattadahalli S. Seetharamaiah, Johnny W. Peterson, Bellur S. Prabhakar, and Gary R. Klimpel

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