

**TABLE OF CONTENTS**  
*Critical Reviews™ in Immunology*  
**Volume 28**

---

**ISSUE 1**

---

- 1**     **Dynamics and Function of Solitary Intestinal Lymphoid Tissue**  
*Heike Herbrand, Günter Bernhardt, Reinhold Förster, & Oliver Pabst*
- 15**    **Scratching the Surface: Towards Understanding the Pathogenesis of Atopic Dermatitis**  
*Sarita Sehra, Florencia M. Barbé Tuana, Mark Holbreich, Nico Mousdicas, Robert S. Tepper, Cheong-Hee Chang, Jeffrey B. Travers, & Mark H. Kaplan*
- 45**    **Pinning Down Signaling in the Immune System: The Role of the Peptidyl-Prolyl Isomerase Pin1 in Immune Cell Function**  
*Stephane Esnault, Zong-Jian Shen, & James S. Malter*
- 61**    **The Role of Plasmacytoid Dendritic Cell-Derived IFN $\alpha$  in Antiviral Immunity**  
*Gyongyi Szabo & Angela Dolganiuc*

---

**ISSUE 2**

---

- 95**     **Pathogen-Associated Molecular Pattern in Cancer Immunotherapy**  
*Uwe Hobohm, John L. Stanford, & John M. Grange*
- 109**    **Immune-Potentiating Effects of the Chemotherapeutic Drug Cyclophosphamide**  
*Sven Brode & Anne Cooke*
- 127**    **The Complexity in Hunting for Candidate Genes Within QTL That Determine Susceptibility to Arthritis in Rats**  
*Qing Xiong, Jiaqian Zhu, Karen A. Hasty, S. Terry Canale, John Stuart, & Weikuan Gu*
- 159**    **Immune Responses Against Persistent Viral Infections: Possible Avenues for Immunotherapeutic Interventions**  
*Shinichiro Fuse, Michael J. Molloy, & Edward J. Usherwood*

---

**ISSUE 3**

---

- 185**    **Neutrophil-Derived Defensins as Modulators of Innate Immune Function**  
*Linda M. Rehaume & Robert E. W. Hancock*
- 201**    **Toll-like Receptor Modulation in Head and Neck Cancer**  
*Ralph Pries, Sandra Wulff, & Barbara Wollenberg*
- 215**    **Posttranslational Regulation of Cell-Surface Colony-Stimulating Factor-1**  
*Keisuke Horiuchi & Yoshiaki Toyama*
- 229**    **Endothelial Injury, Alarmins, and Allograft Rejection**  
*Deepak A. Rao & Jordan S. Pober*
- 249**    **Role of Type II NKT Cells in the Suppression of Graft-versus-Host Disease**  
*Sae Jin Oh, Ji Hyung Kim, Chang Ki Min, & Doo Hyun Chung*

---

**ISSUE 4**

---

- 269 **Regulation of Airway Innate and Adaptive Immune Responses:  
The IL-17 Paradigm**  
*Li-Yin Hung, Sharlene Velichko, Fei Huang, Philip Thai, & Reen Wu*
- 281 **Understanding How Lipopolysaccharide Impacts CD4 T-Cell Immunity**  
*Jeremy P. McAleer & Anthony T. Vella*
- 301 **Gene Therapy in Type 1 Diabetes**  
*Jessamyn Bagley, Jesus Paez-Cortez, Chaorui Tian, & John Iacomini*
- 325 **IL-7 and IL-15: Biology and Roles in T-Cell Immunity in Health and Disease**  
*Hang-Rae Kim, Kyung-A Hwang, Sung-Hwan Park, & Insoo Kang*
- 341 **Peritoneal B-Cell Subsets in the Genus *Mus*: Their Role in Innate Immunity**  
*Aude Thiriot, Antonio A. Freitas, & Dominique Rueff-Juy*

---

**ISSUE 5**

---

- 363 **New Concepts on the Pathogenesis of Autoimmune Diseases:  
A Role for Immune Homeostasis, Immunoregulation, and Immunosenescence**  
*Marielle Thewissen & Piet Stinissen*
- 377 **Response of  $\gamma\delta$  T Cells to Plant-Derived Tannins**  
*Jeff Holderness, Jodi F. Hedges, Katie Daughenbaugh, Emily Kimmel, Jill Graff,  
Brett Freedman, & Mark A. Jutila*
- 403 **Role of Innate Immunity in Transplantation Tolerance**  
*David M. Miller, Aldo A. Rossini, & Dale L. Greiner*
- 441 **Development and Functional Properties of Thymic and Extrathymic  
T Lymphocytes**  
*Krista M. Heinonen & Claude Perreault*

---

**ISSUE 6**

---

- 467 **Interleukin-16: The Ins and Outs of Regulating T-Cell Activation**  
*William Cruikshank & Frederic Little*
- 485 **Role of Anti-MHC Class I Antibody in Facilitating Transplant Accommodation**  
*Mary E. Atz & Elaine F. Reed*
- 513 **Toll-Like Receptor Family in Domestic Animal Species**  
*Lauretta Turin & Federica Riva*
- 539 **Contents of Volume 28**
- 541 **Subject Index to Volume 28**
- 543 **Author Index to Volume 28**