

IN THIS ISSUE

- 2392 Heart attack or cancer?
Gut reaction: the case against IL-23
Curtailing infection
Controlling clots with Clk1
Keeping NF- κ B in check
Ruth Williams

SPECIAL REPORT

- 2394 Full of sound and fury, but signifying something:
XVI International AIDS Conference, Toronto, Canada,
August 13–18, 2006
William A. Wells

FROM THE ARCHIVE

- 2404 Killing controversy
Ruth Williams

COMMENTARIES

- 2405 The price of the CD27–CD70 costimulatory axis:
you can't have it all
Martijn A. Nolte and René A.W. van Lier

- 2409 Giving blood: a new role for CD40 in tumorigenesis
Stephan Bergmann and Pier Paolo Pandolfi

BRIEF DEFINITIVE REPORTS

- 2413 Rescue of TRAF3-null mice by p100 NF- κ B deficiency
Jeannie Q. He, Brian Zarnegar, Gagik Oganesyan, Supriya K. Saha, Soh Yamazaki,
Sean E. Doyle, Paul W. Dempsey, and Genhong Cheng
[See news item on page 2393](#)

- 2419 High affinity germinal center B cells are actively selected
into the plasma cell compartment
Tri Giang Phan, Didrik Paus, Tyani D. Chan, Marian L. Turner, Stephen L. Nutt,
Antony Basten, and Robert Brink

- 2425 Follicular lymphoma-like B cells in healthy individuals: a novel
intermediate step in early lymphomagenesis
Sandrine Roulland, Jean-Marc Navarro, Pierre Grenot, Michèle Milili,
Julie Agopian, Bertrand Montpellier, Pascal Gauduchon, Pierre Lebailly,
Claudine Schiff, and Bertrand Nadel



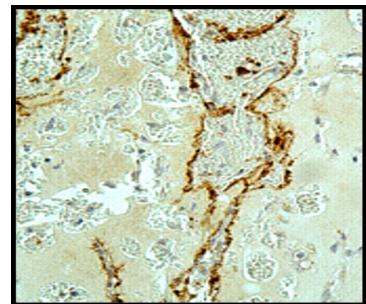
ON THE COVER

Illustration of chronic myeloid leukemia. Between red blood cells are immature white blood cells (pink with white border), which proliferate uncontrollably in this disease. Related article by Middleton et al.
[See page 2529](#)

- 2433 Signal-dependent splicing of tissue factor pre-mRNA modulates the thrombogenicity of human platelets

Hansjörg Schwertz, Neal D. Tolley, Jason M. Foulks, Melvin M. Denis, Ben W. Risenmay, Michael Buerke, Rachel E. Tilley, Matthew T. Rondina, Estelle M. Harris, Larry W. Kraiss, Nigel Mackman, Guy A. Zimmerman, and Andrew S. Weyrich

[See news item on page 2393](#)

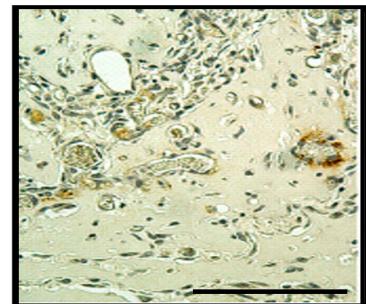


ARTICLES

- 2441 Triggering CD40 on endothelial cells contributes to tumor growth

Claudia Chiodoni, Manuela Iezzi, Cristiana Guiducci, Sabina Sangaletti, Isabella Alessandrini, Chiara Ratti, Francesca Tiboni, Piero Musiani, D. Neil Granger, and Mario P. Colombo

[See commentary on page 2409](#)



- 2451 CCR5-dependent homing of naturally occurring CD4⁺ regulatory T cells to sites of *Leishmania major* infection favors pathogen persistence

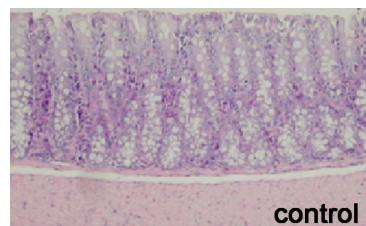
Ekaterina Yurchenko, Michael Tritt, Valerie Hay, Ethan M. Shevach, Yasmine Belkaid, and Ciriaco A. Piccirillo

Mice with mutant integrin (bottom) make less new blood vessels (brown).
[See page 2495](#)

- 2461 Resolution of a chronic viral infection after interleukin-10 receptor blockade

Mette Ejrnaes, Christophe M. Filippi, Marianne M. Martinic, Eleanor M. Ling, Lisa M. Togher, Shane Crotty, and Matthias G. von Herrath

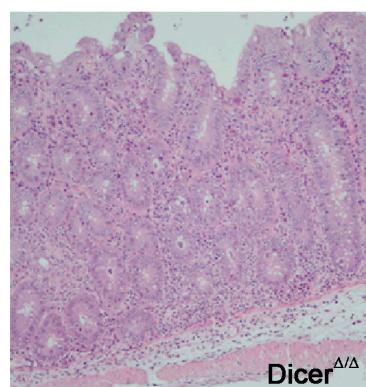
[See news item on page 2393](#)



- 2473 Interleukin-23 drives innate and T cell-mediated intestinal inflammation

Sophie Hue, Philip Ahern, Sofia Buonocore, Marika C. Kullberg, Daniel J. Cua, Brent S. McKenzie, Fiona Powrie, and Kevin J. Maloy

[See news item on page 2392](#)



- 2485 IL-23 plays a key role in *Helicobacter hepaticus*-induced T cell-dependent colitis

Marika C. Kullberg, Dragana Jankovic, Carl G. Feng, Sophie Hue, Peter L. Gorelick, Brent S. McKenzie, Daniel J. Cua, Fiona Powrie, Allen W. Cheever, Kevin J. Maloy, and Alan Sher

[See news item on page 2392](#)

- 2495 Integrin signaling is critical for pathological angiogenesis

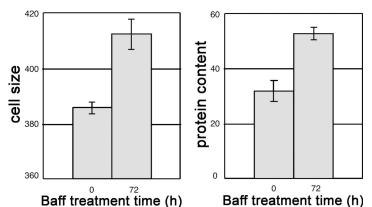
Ganapati H. Mahabaleshwar, Weiyi Feng, David R. Phillips, and Tatiana V. Byzova

- 2509 T cell receptor for antigen induces linker for activation of T cell-dependent activation of a negative signaling complex involving Dok-2, SHIP-1, and Grb-2

Shen Dong, Béatrice Corre, Eliane Foulon, Evelyne Dufour, André Veillette, Oreste Acuto, and Frédérique Michel

Dicer^{Δ/Δ} mice have fewer regulatory T cells and suffer immune pathology, apparent in the gut (shown above) and elsewhere.
[See page 2519](#)

- 2519 A role for Dicer in immune regulation**
Bradley S. Cobb, Arnulf Hertweck, James Smith, Eric O'Connor, Daniel Graf,
Terence Cook, Stephen T. Smale, Shimon Sakaguchi, Frederick J. Livesey,
Amanda G. Fisher, and Matthias Merkenschlager
- 2529 Identification of 12/15-lipoxygenase as a suppressor of myeloproliferative disease**
Melissa Kristine Middleton, Alicia Marie Zukas, Tanya Rubinstein, Michele Jacob,
Peijuan Zhu, Liang Zhao, Ian Blair, and Ellen Puré
See news item on page 2392
- 2541 Regulation of B1 cell migration by signals through Toll-like receptors**
Seon-ah Ha, Masayuki Tsuji, Keiichiro Suzuki, Bob Meek, Nobutaka Yasuda,
Tsuneyasu Kaisho, and Sidonia Fagarasan
- 2551 BAFF controls B cell metabolic fitness through a PKC β - and Akt-dependent mechanism**
Alina Patke, Ingrid Mecklenbräuker, Hediye Erdjument-Bromage, Paul Tempst,
and Alexander Tarakhovsky
- 2563 Correction**



Baff promotes B cell fitness and survival, increasing their size (left) and protein content (right).
See page 2551