



nature publishing group



► **COVER:** 'Building an immune repertoire' by Neil Smith, inspired by the Review on p883.



ELAINE BELL



KIRSTY MINTON



LUCY BIRD



OLIVE LEAVY



SHARON AHMAD

The end of the year is often a time for reflection. As we look back over the last year at *Nature Reviews Immunology*, we are struck by the diversity of topics we have covered, from interferons and nuclear receptors to somatic hypermutation and receptor editing. We have touched on B cells, neutrophils and mast cells, and have examined molecules such as dectin-1 and caspases. A major goal in understanding how all these components fit together in the immune system is the development of therapeutic strategies — a recurring theme in the journal. Our final issue of the year continues in this vein.

With the sharp increase in the prevalence of asthma in recent years, its development and treatment have become the focus of much research. On page 953, Dale Umetsu and Rosemarie DeKruyff propose that there might be another source of the T-helper-2-type cytokines that are produced by MHC-class-II-restricted CD4⁺ T cells in asthma: invariant natural killer T cells, which share characteristics with conventional CD4⁺ T cells, might have a crucial role in regulating the development of asthma. We also highlight a recent report (page 877) that discusses whether an effective strategy in the treatment of asthma might be to target another cell type — lung dendritic cells.

Norman Letvin reviews what we have learned from recent experiments in terms of the development of an effective AIDS vaccine, and what obstacles must still be overcome (page 930). And finally, in their Review on page 895, Roberto Gazzinelli and Eric Denkers examine the therapeutic potential of the interaction between protozoan parasites (infection by which is an issue of particular importance in developing countries) and Toll-like receptor signalling pathways.

EDITORIAL OFFICES

LONDON NatureReviews@nature.com
The Macmillan Building, 4 Crinan Street,
London N1 9XW, UK
Tel: +44 (0)20 7843 3620;
Fax: +44 (0)20 7843 3629
CHIEF EDITOR: Elaine Bell
SENIOR EDITORS: Kirsty Minton, Lucy Bird
ASSOCIATE EDITORS: Olive Leavy, Sharon Ahmad
COPY EDITOR: Davina Dadley-Moore
SENIOR ART EDITOR (NRI)/CARTOONIST:
Neil Smith
EDITORIAL SUPPORT MANAGER:
Meg Fitzpatrick
ART CONTROLLER: Susanne Harris
SENIOR ART EDITOR: Vicky Askew
MANAGING PRODUCTION EDITOR:
Judith Shadwell
DEPUTY PRODUCTION EDITOR:
Simon Fenwick
PRODUCTION CONTROLLER:
Natalie Smith

EDITORIAL ASSISTANTS: Elliann Fairbairn,
Laura Firman
WEB PRODUCTION MANAGER, UK:
Alexander Thurrell
MARKETING MANAGER: Kelliie Lane

MANAGEMENT OFFICES

LONDON nature@nature.com
The Macmillan Building,
4 Crinan Street,
London N1 9XW, UK
Tel: +44 (0)20 7833 4000;
Fax: +44 (0)20 7843 4596/7
OFFICE MANAGER: Sheryl Ocampo
PUBLISHER: Hugh Blackburn
MANAGING DIRECTOR:
Annette Thomas
EDITOR-IN-CHIEF, NATURE PUBLICATIONS:
Philip Campbell
ASSOCIATE DIRECTORS:
Jenny Henderson, Tony Rudland
EDITORIAL PRODUCTION DIRECTOR:
James McQuat

PRODUCTION MANAGER:

Yvonne Strong
DIRECTOR, WEB PUBLISHING:
Timo Hannay
HEAD OF WEB PRODUCTION:
Jeremy Macdonald
NEW YORK nature@natureny.com
Nature Publishing Group,
75 Varick Street,
9th floor, New York,
NY 10013-1917, USA
Tel: +1 212 726 9200;
Fax: +1 212 696 9006
CHIEF TECHNOLOGY OFFICER:
Howard Ratner
DIRECTOR OF NEW TECHNOLOGY:
Greg Suprock
HEAD OF WEB SERVICES:
Anthony Barrera
NATUREJOBS PUBLISHER: Ben Crowe
HEAD OF NATURE RESEARCH & REVIEWS
MARKETING: Sara Girard

TOKYO nature@natureasia.com
Chiyoda Building 5F, 2-37-1 Ichigayatamachi,
Shinjuku-ku, Tokyo 162-0843, Japan
Tel: +81 3 3267 8751;
Fax: +81 3 3267 8746
ASIA-PACIFIC PUBLISHER:
Antoine E Bocquet
MANAGER: Koichi Nakamura
ASIA-PACIFIC SALES DIRECTOR:
Kate Yoneyama
SENIOR MARKETING MANAGER:
Peter Yoshihara
MARKETING/PRODUCTION MANAGER:
Takesh Murakami
INDIA 5A/12 Ansari Road, Daryaganj,
New Delhi 110 002, India
Tel/Fax: +91 11 2324 4186
SALES AND MARKETING MANAGER, INDIA:
Harpal Singh Gill
Copyright © 2006 Nature Publishing Group
Printed in Wales by Cambrian Printers
on acid-free paper