May 2006, Volume 12 No 5

Editorial
A taste of new medicine p481

News
Trial set to test how stem cells heal a broken heart p483
George S. Mack

Sheep study calls for closer look at prion hypothesis p484
Michael Hopkin

Security fears plague deadly disease lab's move to central London p484
Geoff Brumfiel

Cell-based tests tackle predicting safety of antibody drugs p485
Gunjan Sinha

Despite doubts, containment plans for pandemic take shape p485
Emma Marris

News In Brief p486

News Feature: The body snatchers pp487 - 488
Emily Waltz

Profile: Yoshihiro Kawaoka p489
Apoorva Mandavilli

Your cheatin' heart p490
David Cyranoski

What is misconduct? p490
Kendall Powell

Catching the crooks p491
Emma Marris

Fraud follows the funds p491

So you suspect someone of fraud. What now? p492
Kendall Powell

Where are they now? pp492 - 493
Paroma Basu

Your own desktop crime lab p493
Kendall Powell

Plagiarize or perish? p494
Tinker Ready
Can't hide your lying eyes p494
Meredith Wadman

Correspondence
Monkeypox outbreak diagnostics and implications for vaccine protective effect pp495 - 496
Kevin L Karem, Mary Reynolds, Victoria Olson, Yu Li & Inger K Damon

Monkeypox outbreak diagnostics and implications for vaccine protective effect pp496 - 497
Mark Slifka & Erika Hammarlund

Will travel restrictions control the international spread of pandemic influenza? pp497 - 499
T Déirdre Hollingsworth, Neil M Ferguson & Roy M Anderson

Book Review
The Politics of Public Health p501
Reviewed by: Richard Parker

News and Views
Neurons tame T cells pp503 - 504
Robert S Fujinami

Staying slim on a low-GABA diet pp504 - 506
Brenda Smith Richards & Hans-Rudi Berthoud

Channeling pain pp506 - 507
Ardem Patapoutian & Lindsey Macpherson

Virus smuggling, tax evasion and tumor assassination pp507 - 509
Kevin Harrington & Richard Vile

Pressure on for Marfan syndrome p509
Charlotte Schubert

Personalized medicine progresses pp510 - 511
John N Haselden & Andrew W Nicholls

Overcoming insulin resistance with CNTF pp511 - 512
Rexford S Ahima

Research Highlights p513

Brief Communication
Coexpression of virulence and fosfomycin susceptibility in Listeria: molecular basis of an antimicrobial in vitro–in vivo paradox pp515 - 517
Mariela Scortti, Lizeth Lacharme-Lora, Martin Wagner, Isabel Chico-Calero, Patrizia Losito & José A Vázquez-Boland

Articles
Neuron-mediated generation of regulatory T cells from encephalitogenic T cells suppresses EAE pp518 - 525
Yawei Liu, Ingrid Teige, Bryndis Birnir & Shohreh Issazadeh-Navikas
Hypothalamic huntingtin-associated protein 1 as a mediator of feeding behavior pp526 - 533
Guoqing Sheng, Guo-qing Chang, John Y Lin, Zhao-Xue Yu, Zhi-Hui Fang, Juan Rong, Stuart A Lipton, Shi-Hua Li, Gang Tong, Sarah F Leibowitz & Xiao-Jiang Li

Forkhead protein FoxO1 mediates Agrp-dependent effects of leptin on food intake pp534 - 540
Tadahiro Kitamura, Yun Feng, Yukari Ido Kitamura, Streamson C Chua Jr, Allison W Xu, Gregory S Barsh, Luciano Rossetti & Domenico Accili

CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK pp541 - 548
Matthew J Watt, Nicolas Dzamko, Walter G Thomas, Stefan Rose-John, Matthias Ernst, David Carling, Bruce E Kemp, Mark A Febbraio & Gregory R Steinberg

The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis pp549 - 556
Marie-Julie Dubois, Sébastien Bergeron, Hyo-Jeong Kim, Luce Dombrowski, Mylène Perreault, Bénédicte Fournès, Robert Faure, Martin Olivier, Nicole Beauchemin, Gerald I Shulman, Katherine A Siminovitch, Jason K Kim & André Marette

Cytokine-mediated deployment of SDF-1 induces revascularization through recruitment of CXCR4+ hemangiocytes pp557 - 567

Letters
Mig6 is a negative regulator of EGF receptor–mediated skin morphogenesis and tumor formation pp568 - 573
Ingvar Ferby, Markus Reschke, Oliver Kudlacek, Pjotr Knyazev, Guido Pantè, Kerstin Amann, Wolfgang Sommergruber, Norbert Kraut, Axel Ullrich, Reinhard Fässler & Rüdiger Klein

Intranasal delivery of the cytoplasmic domain of CTLA-4 using a novel protein transduction domain prevents allergic inflammation pp574 - 579

Experimental therapy of African trypanosomiasis with a nanobody-conjugated human trypanolytic factor pp580 - 584
Toya Nath Baral, Stefan Magez, Benoît Stijlemans, Katja Conrath, Benoït Vanhollebeke, Etienne Pays, Serge Muyldegemans & Patrick De Baetselier

Technical Report
Endogenous microRNA regulation suppresses transgene expression in hematopoietic lineages and enables stable gene transfer pp585 - 591
Brian D Brown, Mary Anna Venneri, Anna Zingale, Lucia Sergi Sergi & Luigi Naldini

Erratum
ERRATUM: People to watch p592

Corrigendum
CORRIGENDUM: Successful transduction of liver in hemophilia by AAV-Factor IX and limitations imposed by the host immune response p592