Possible asthma treatment

CONTENTS

PHOTO (LEFT): DREW NOEL

398

398 CALCILYTICS FOR ASTHMA RELIEF
A promiscuous calcium receptor holds promise as a therapeutic target for asthma By R. B. Penn

399 THE DELICATE DANCE OF TRANSLATION AND FOLDING
RNA translation and protein folding affect each other during protein synthesis By J. D. Puglisi

401 ECOSYSTEM SERVICES LOST TO OIL AND GAS IN NORTH AMERICA
Net primary production reduced in crop and rangelands By B. W. Allred et al.

NEWS

IN BRIEF
376 Roundup of the week’s news

IN DEPTH
378 SEEKING TESTS FOR A CONTESTED BRAIN DISEASE
FDA warning to UCLA highlights struggle to diagnose chronic traumatic encephalopathy By E. Underwood

379 PLAN FOR E.U. RESEARCH FUNDS RAISES IRE
European Parliament vows to shield science budget from stimulus package raid By T. Rabesandratana

380 HOUSE SCIENCE CHIEF UNVEILS CONTENTIOUS VISION FOR SCIENCE
Authorization bill would cut climate and energy research and reshape science agency policies By J. Mervis and A. Cho

382 CLINICAL TRIALS GET PRACTICAL
Many clinical trials don’t help doctors make decisions. A new breed of studies aims to change that By J. Couzin-Frankel

383 INBRED WOLF POPULATION ON ISLE ROYALE COLLAPSES
But other wolves adopt a new Lake Superior island By C. Mlot

384 NIH’S PEER REVIEW STANDS UP TO SCRUTINY
Analyses show better scored proposals produce more papers and citations By J. Mervis

FEATURES

386 AFTER HUBBLE
The Webb telescope’s troubled history poses challenges for other contenders to replace the world’s most popular space telescope By D. Clery

391 Hubble on steroids
By G. Schilling

PERSPECTIVES

392 EVOLVING NEW ORGANISMS VIA SYMBIOSIS
When and how do symbiotic partnerships become new, integrated organisms? By E. T. Kiers and S. A. West

394 BIOGEOCHEMICAL TALES TOLD BY ISOTOPE CLUMPS
Molecules with two or more heavy isotopes provide insights into diverse biological and geological phenomena By B. H. Passey

REPORTS PP. 428 & 431

396 SUPRAMOLECULAR LATTICES FROM TETRAHEDRAL NANOBUILDING BLOCKS
The location of hydrophilic and hydrophobic regions on tetrahedral nanoparticles determines how they pack together into a variety of structures By S. Yang

REPORT P. 424

398 AFTER HUBBLE

399 THE DELICATE DANCE OF TRANSLATION AND FOLDING
RNA translation and protein folding affect each other during protein synthesis By J. D. Puglisi

REPORTS PP. 444 & 457

401 ECOSYSTEM SERVICES LOST TO OIL AND GAS IN NORTH AMERICA
Net primary production reduced in crop and rangelands By B. W. Allred et al.

Published by AAAS