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The theme of the 2013 AAAS Annual Meeting, 14 to 18 February in Boston, Massachusetts, is *The Beauty and Benefits of Science*. This theme highlights the "unreasonable effectiveness" of the scientific enterprise in creating economic growth, solving societal problems, and satisfying the essential human drive to understand the world in which we live. The preliminary program begins on page 688.

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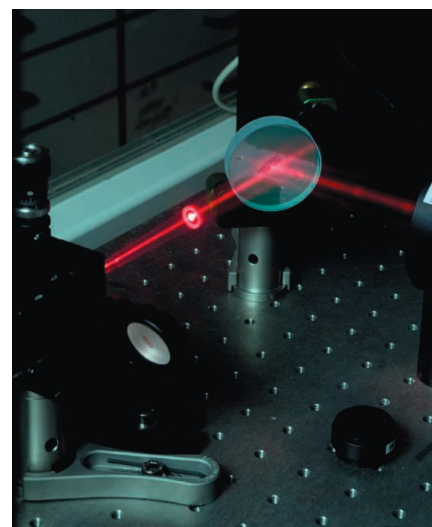
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## ONLINE HIGHLIGHTS

## SCIENCEEXPRESS

[www.scienceexpress.org](http://www.scienceexpress.org)  
Publication Ahead of Print

**The Imprint of the Extragalactic Background Light in the Gamma-Ray Spectra of Blazars**

*M. Ackermann et al.*  
10.1126/science.1227160

**Para-Aminosalicylic Acid Acts as an Alternative Substrate of Folate Metabolism in *Mycobacterium tuberculosis***

*S. Chakraborty et al.*  
10.1126/science.1228980

**Mice Lacking a *Myc* Enhancer That Includes Human SNP rs6983267 Are Resistant to Intestinal Tumors**

*I. K. Sur et al.*  
10.1126/science.1228606

**Content-Specific Fronto-Parietal Synchronization During Visual Working Memory**

*R. F. Salazar et al.*  
10.1126/science.1224000

**Influence of Threonine Metabolism on S-Adenosylmethionine and Histone Methylation**

*N. Shyh-Chang et al.*  
10.1126/science.1226603

## TECHNICAL COMMENTS

**Comment and Response on "Multiyear Prediction of Monthly Mean Atlantic Meridional Overturning Circulation at 26.5°N"**

*Comment: G. A. Vecchi et al.*  
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*Response: D. Matei et al.*  
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## SCIENCE NOW

[www.sciencenow.org](http://www.sciencenow.org)  
Highlights From Our Daily News Coverage

**Using Gut Bacteria to Fight Diarrhea**

Mice show a treatment for chronic infection.  
[http://bit.ly/Gut\\_Bacteria](http://bit.ly/Gut_Bacteria)

**Dinosaurs Sprouted Wings Earlier Than Previously Thought**

However, these wings were probably used for courtship or brooding rather than flight.  
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**Oceans Getting Too Hot to Handle?**

Tropical marine organisms are shifting northward as temperatures rise.  
[http://bit.ly/Shifting\\_Plankton](http://bit.ly/Shifting_Plankton)

## SCIENCE SIGNALING

[www.sciencesignaling.org](http://www.sciencesignaling.org)  
The Signal Transduction Knowledge Environment  
**30 October issue: <http://scim.ag/ss103012>**

**RESEARCH ARTICLE: Mice Lacking the ITIM-Containing Receptor G6b-B Exhibit Macrothrombocytopenia and Aberrant Platelet Function**

*A. Mazharian et al.*

## PODCAST

*Y. A. Senis and A. M. VanHook*  
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**MEETING REPORT: Stress Response and Child Health**

*E. Charmandari et al.*  
Endocrine and inflammatory responses to stress affect many aspects of development, physiology, and cognition.

**PRESENTATION: Prenatal Stress, Telomere Biology, and Fetal Programming of Health and Disease Risk**

*S. Entringer et al.*  
Telomere biology may link intrauterine stress to newborn, child, and adult health and disease risk.

**PRESENTATION: Protein Complexes and Target Genes Identification by in Vivo Biotinylation—The STAT5 Paradigm**

*E. Katsantoni*  
A transcription factor's interacting partners and target genes can reveal context-specific signaling and transcriptional outputs.

## SCIENCE TRANSLATIONAL MEDICINE

[www.sciencetranslationalmedicine.org](http://www.sciencetranslationalmedicine.org)  
Integrating Medicine and Science  
**31 October issue: <http://scim.ag/stm103112>**

**RESEARCH ARTICLE: Food-Grade Bacteria Expressing Elafin Protect Against Inflammation and Restore Colon Homeostasis**

*J. P. Motta et al.*  
Gut bacteria engineered to make a protease inhibitor inhibit inflammation and heal colitis in mice.

**RESEARCH ARTICLE: Immune Parameters Correlate with Protection Against Ebola Virus Infection in Rodents and Nonhuman Primates**

*G. Wong et al.*  
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**RESEARCH ARTICLE: Window Reveals a Pre-Micrometastasis Stage During Liver Metastasis**

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**FOCUS: A Window into Metastasis**  
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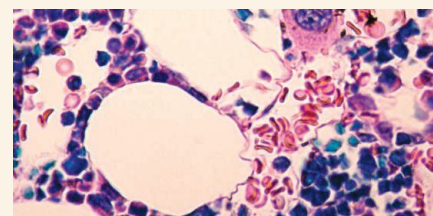
An abdominal window allows imaging of cancer metastasis in real time.

**EDITORIAL: Emerging Economies, Enduring Partnerships**

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*B. Onaral and K. LaMarco*  
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SCIENCE SIGNALING  
Platelet-producing megakaryocytes.

**REVIEW: Computational Medicine—Translating Models to Clinical Care**

*R. L. Winslow et al.*  
Modeling molecular networks, physiology, and anatomy could improve personalized medicine.

## SCIENCE CAREERS

[www.sciencereers.org/career\\_magazine](http://www.sciencereers.org/career_magazine)  
Free Career Resources for Scientists  
**<http://scim.ag/SciCareers2November2012>**

**A Modest Workforce Proposal**

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An NAS report forgoes skills-gap rhetoric and focuses on DOD's needs.

**Taken for Granted: Ethics Across Borders**

*B. L. Benderly*  
Different approaches to responsible research conduct challenge scientists working internationally.

**myIDP: Interests**

*B. Lindstaedt et al.*  
It sounds obvious, but when choosing a career path, you need to think hard about what you like to do.

## SCIENCE PODCAST

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