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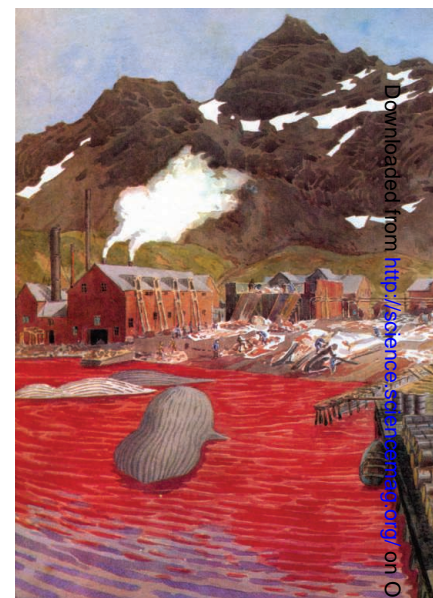
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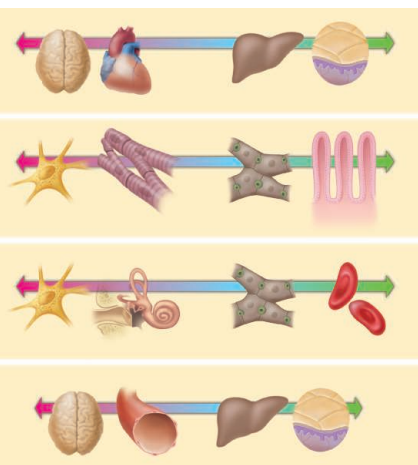
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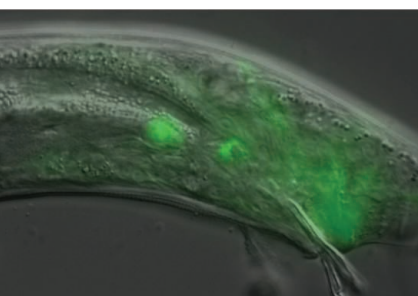
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- 956 **Collapse of Classic Maya Civilization Related to Modest Reduction in Precipitation**
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- 959 **Evolution of the Earliest Horses Driven by Climate Change in the Paleocene-Eocene Thermal Maximum**
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Seroevidence for H5N1 Influenza Infections in Humans: Meta-Analysis

T. T. Wang et al.

One to two percent of 14,000 people tested in 20 studies showed evidence of prior H5N1 infection. 10.1126/science.1218888

>> See all H5N1 coverage online at http://scim.ag/_h5n1

Glucocorticoids Can Induce PTSD-Like Memory Impairments in Mice

N. Kaouane et al.

The infusion of a stress hormone produces fear responses to cues that were not associated with the traumatic event itself. 10.1126/science.1207615

A Bruce Effect in Wild Geladas

E. K. Roberts et al.

Long-term field studies show that female monkeys improve their fitness by terminating their pregnancies when a new male becomes dominant. 10.1126/science.1213600

Coherent Sensing of a Mechanical Resonator with a Single-Spin Qubit

S. Kolkowitz et al.

The spin of a nitrogen vacancy defect in diamond is used to sense the motion of a magnetized microresonator. 10.1126/science.1216821

The Role of Driving Energy and Delocalized States for Charge Separation in Organic Semiconductors

A. A. Bakulin et al.

Bound excited charge carriers achieve long-range separation by promotion to delocalized band states. 10.1126/science.1217745

TECHNICALCOMMENTS

Comment on "Lévy Walks Evolve Through Interaction Between Movement and Environmental Complexity"

V. A. A. Jansen et al.

Full text at www.sciencemag.org/cgi/content/full/335/6071/918-c

Response to Comment on "Lévy Walks Evolve Through Interaction Between Movement and Environmental Complexity"

M. de Jager et al.

Full text at www.sciencemag.org/cgi/content/full/335/6071/918-d

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Highlights From Our Daily News Coverage

A Practical Blueprint for a Low-Carbon Electric World?

'Transformative' technologies may wean the world from fossil fuel-based electricity.

http://scim.ag/Electric_World

Nuclear Reactors Not Needed to Make the Most Common Medical Isotope

A new technique uses a medical cyclotron to produce radioisotopes.

http://scim.ag/Medical_Isotope

Global Fisheries Deals: What's the Catch?

Some fishing agreements are not what they seem.

http://scim.ag/Global_Fisheries

SCIENCE SIGNALING

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The Signal Transduction Knowledge Environment

21 February issue: <http://scim.ag/ss022112>

RESEARCH ARTICLE: RGS Proteins Maintain Robustness of GPCR-GIRK Coupling by Selective Stimulation of the G Protein Subunit G α_o

H. Chuang and A. Y. Chuang

Opposing actions of RGS proteins both stimulate and inhibit G proteins to modulate the amplitude and kinetics of the downstream response.

RESEARCH ARTICLE: Inhibition of Autophagy Ameliorates Acute Lung Injury Caused by Avian Influenza A H5N1 Infection

Y. Sun et al.

Blocking autophagy reduces the extent of lung damage and decreases mortality in mice infected with the H5N1 strain of avian influenza.

PERSPECTIVE: Semaphorin Signaling Meets Rap

J. L. Bos and W.-j. Pannkoek

Semaphorin binding stimulates the ability of plexin receptors to inhibit the GTPase Rap1, thereby enabling neurite retraction.

PRESENTATION: TGF- β Signaling in Endothelial-to-Mesenchymal Transition—The Role of Shear Stress and Primary Cilia

P. ten Dijke et al.

The loss of primary cilia is a prerequisite for flow-induced endothelial-to-mesenchymal transition in heart development.

GLOSSARY

Find out what 4E-BP, DEAD, and eIF4E mean in the world of cell signaling.

SCIENCE TRANSLATIONAL MEDICINE

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Integrating Medicine and Science

22 February issue: <http://scim.ag/stm022212>

RESEARCH ARTICLE: First-in-Human Testing of a Wirelessly Controlled Drug Delivery Microchip

R. Farra et al.

A wireless microchip-based device implanted in humans delivers a drug for treating osteoporosis.

EDITORIAL: Reengineering Device Translation Timelines

J. Watson

Innovative engineering will shorten the translational timeline from concept to clinical application for medical devices.

RESEARCH ARTICLE: MicroRNA-21 Blocks Abdominal Aortic Aneurysm Development and Nicotine-Augmented Expansion

L. Maegdefessel et al.

miR-21 modulates abdominal aortic aneurysm development by regulating cell proliferation and apoptosis.

RESEARCH ARTICLE: Breast Cancer–Associated *Abraxas* Mutation Disrupts Nuclear Localization and DNA Damage Response Functions

S. Solyom et al.

A germline mutation in the *Abraxas* gene impairs the BRCA1 DNA damage response in familial breast cancer.

COMMENTARY: Recalibrating Intellectual Property Rights to Enhance Translational Research Collaborations

T. Bubela et al.

New collaborative models of therapeutic research and development require active governance of intellectual property rights to enable sharing.

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Experimental Error: I've Got Your Impact Factor Right Here

A. Ruben

The *Journal of Negative Results* is only the beginning.

http://scim.ag/EE_NewJournals

Stepping Out of Big Pharma's Shadow

M. Price

As big-pharma jobs disappear, pharma scientists are landing at start-ups, launching their own, or joining academia.

<http://scim.ag/SteppingOutBigPharma>

Q&A: Outsourcing Himself

E. Pain

Chemist Andrew McElroy got the idea for his company the day he was told he would likely lose his job at Pfizer.

<http://scim.ag/OutsourcingHimself>

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On the 24 February *Science* Podcast: restoring ecological "networks of networks," climate change and early horse evolution, the state of science in India, and more.

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