Artist’s rendering of the airway epithelial cell surface in human lungs. The airway surface is lined by arrays of cylindrical cilia (shown as yellow projections) that are 7 micrometers long and 200 nanometers in diameter. The cilia and airway surface are covered by tethered biomacromolecules (shown as green hairs) that form dense, brushlike structures. These epithelial brushes protect the airways from infectious agents and ensure efficient flow of mucus from healthy lungs. See page 937. For the story behind the cover, go to http://scim.ag/cov6097.

Image: Yan Liang (www.l2xy2.com), Li-Heng Cai, Michael Rubinstein
REVIEWS
927  Luminous Supernovae  
A. Gal-Yam
932  Gamma-Ray Bursts  
N. Gehrels and P. Mészáros

RESEARCH ARTICLE
937  A Periciliary Brush Promotes the Lung Health by Separating the Mucus Layer from Airway Epithelia  
B. Button et al.
The lung is protected by a brushlike biopolymer that contributes to mucus flow and can trigger mucobiliary diseases.  
>> Perspective p. 924

REPORTS
942  PTF 11kx: A Type Ia Supernova with a Symbiotic Nova Progenitor  
B. Dilday et al.
Spectroscopic data imply that a stellar explosion arose from a binary consisting of a white dwarf and a red giant star.  
>> Science Podcast
946  Absorption Features in the X-ray Spectrum of an Ordinary Radio Pulsar  
O. Kargaltsev et al.
Data from two x-ray space observatories reveal unexpected spectral features in a common, rotating, magnetized compact star.
949  A 200-Second Quasi-Periodicity After the Tidal Disruption of a Star by a Dormant Black Hole  
R. C. Reis et al.
Oscillations in x-ray emission from a galaxy’s central black hole imply that a disc formed after the hole captured a star.  
>> Perspective p. 916
951  Design of Stable Nanocrystalline Alloys  
T. Chookajorn et al.
Designed nanostructured alloys, amenable to large-scale production, show high-temperature thermal stability.  
>> Perspective p. 921
954  Stepwise Evolution of Spherical Seeds into 20-Fold Twinned Icosahedra  
M. R. Langille et al.
The growth of silver nanoparticles from plasmonic gold nanocrystals was tracked by electron microscopy.
957  Mapping the Origins and Expansion of the Indo-European Language Family  
R. Bouckaert et al.
Spatial models of language lineage evolution support an Anatolian homeland for Indo-European languages.  
>> News story p. 902; Science Podcast
960  Assembly of an Evolutionarily New Pathway for α-Pyrene Biosynthesis in Arabidopsis  
J.-K. Weng et al.
A neofunctionalized copy of a plant P450 enzyme allows synthesis of pyrene-bearing secondary metabolites, called arabidopyrones.
964  cis-Acting Transcriptional Repression Establishes a Sharp Boundary in Chordate Embryos  
K. S. Imai et al.
The conserved tandem arrangement of Pinhead and Admp genes is important for their mutually exclusive expression.
967  Landscape of Somatic Retrotransposition in Human Cancers  
E. Lee et al.
Whole-genome sequencing provides evidence for somatic insertions in colorectal, prostate, and ovarian cancers.
971  Dense Chromatin Activates Polycomb Repressive Complex 2 to Regulate H3 Lysine 27 Methylation  
W. Yuan et al.
The density and compaction state of chromatin directly regulates the activity of a transcription repressor protein complex.  
>> Perspective p. 919
975  Phosphofructokinase 1 Glycosylation Regulates Cell Growth and Metabolism  
W. Yi et al.
Inhibition of a key metabolic enzyme reprograms metabolic flux toward pathways critical for cancer cell proliferation.  
>> Perspective p. 925
980  Neurexin and Neuroligin Mediate Retrograde Synaptic Inhibition in C. elegans  
Z. Hu et al.
Two synaptic adhesion molecules that have been implicated in psychiatric diseases affect the kinetics of synaptic events.
984  Strategy-Dependent Encoding of Planned Arm Movements in the Dorsal Premotor Cortex  
T. M. Pearce and D. W. Moran
The amount of preparatory neural activity in the brain depends on movement complexity and conscious planning.

CONTENTS continued >>
SCIENCEONLINE

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www.scienceexpress.org

Genome Sequencing Identifies a Basis for Everolimus Sensitivity
G. Iyer et al.
Tumor genome sequencing reveals the molecular basis of a patient’s unexpected and dramatic response to a cancer drug.
10.1126/science.1225028

Acute Gastrointestinal Infection Induces Long-Lived Microbiota-Specific T Cell Responses
T. W. Hand et al.
Enteric infections induce lasting adaptive immunity against commensal bacteria that may play a role in intestinal problems.
10.1126/science.1220961

Cold-Inducible RNA-Binding Protein Modulates Circadian Gene Expression Posttranscriptionally
J. Morf et al.
An RNA-binding protein whose cyclic accumulation is regulated by body temperature confers robustness to circadian oscillators.
10.1126/science.1217726

Adhesion Functions in Cell Sorting by Mechanically Coupling the Cortices of Adhering Cells
J.-L. Maître et al.
Cell adhesion provides a mechanical scaffold for cell cortex tension to drive cell sorting during zebrafish gastrulation.
10.1126/science.1225399

Molecular Mechanics of Cardiac Myosin-Binding Protein C in Native Thick Filaments
M. J. Previs et al.
A myosin thick filament–associated sarcomeric protein modulates cardiac contractility in a phosphorylation-dependent manner.
10.1126/science.1223602

Synthesis and Characterization of a Rhodium(I) σ-Alkane Complex in the Solid State
S. D. Pike et al.
Hydrogenation of a crystalline precursor enables structural characterization of a commonly evoked reaction intermediate.
10.1126/science.1225028

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RESEARCH ARTICLE: Hedgehog-Stimulated Chemotaxis Is Mediated by Smoothened Located Outside the Primary Cilium
M. F. Bijlsma et al.
PERSPECTIVE: The Path to Chemotaxis and Transcription Is Smoothened
C. Lin et al.
Distinct outputs of Hedgehog signaling arise from different subcellular localization of the signal transducer Smoothened.

RESEARCH ARTICLE: The Protease Omi Cleaves the Mitogen-Activated Protein Kinase Kinase MEK1 to Inhibit Microglial Activation
Q. Hu et al.
Loss of a protease in microglia results in neuroinflammation that contributes to neurodegeneration and Parkinson’s disease.

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22 August issue: http://scim.ag/STM082212

RESEARCH ARTICLE: Niacin Lipid Efficacy Is Independent of Both the Niacin Receptor GPR109A and Free Fatty Acid Suppression
B. Lauring et al.
FOCUS: It Ain’t Over ‘Til the Fat Lady Sings
S. Offermanns
GPR109A is not the target mediating niacin’s lipid efficacy, and the free fatty acid hypothesis does not explain niacin’s mechanism of action.

RESEARCH ARTICLE: Tracking a Hospital Outbreak of Carbapenem-Resistant Klebsiella pneumoniae with Whole-Genome Sequencing
E. S. Snitkin et al.
Tracking a hospital outbreak of carbapenem-resistant Klebsiella pneumoniae with whole-genome sequencing revealed its origin and probable modes of transmission.

REVIEW: Engineering Approaches to Immunotherapy
M. A. Swartz et al.
The rapidly evolving field of immunoeengineering will bring new design strategies to clinical immunology.

RESEARCH ARTICLE: Targeted Disruption of the BCL9/β-catenin Complex Inhibits Oncogenic Wnt Signaling
K. Takada et al.
Locking BCL9/β-catenin interaction with a stapled peptide inhibits Wnt-dependent transcription and suppresses growth and metastasis in colon cancer with multiple myeloma.

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