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Photo: David Lentink

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Radio observations reveal a system undergoing the transition from a low-mass x-ray binary star to a millisecond radio pulsar.

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Pancreatic tumors are unresponsive to chemotherapy because their limited vasculature precludes efficient drug delivery.
Adaptor Subunits

In vivo RNA interference screen reveals regulators of innate immunity in Drosophila.

SCIENCE SIGNALING

The Signal Transduction Knowledge Environment

RESEARCH ARTICLE: PI3Kγ Adaptor Subunits Define Coupling to Degranulation and Cell Motility by Distinct PtdIns(3,4,5)P3 Pools in Mast Cells

T. Bohnacker et al.

PERSPECTIVE: Finding Partners for PI3Kγ—When 84 Is Better Than 101

T. Balla

PODCAST

M. P. Wymann and A. M. VanHook

Adaptor subunits of phosphoinositide 3-kinase γ specify different cellular responses.

PERSPECTIVE: Insulin Signaling in Sporadic Alzheimer’s Disease

F.-F. Liao and H. Xu

Amyloid-β and its oligomers disrupt insulin signaling by targeting the insulin receptor or downstream kinases.

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Speed Networking for Scientists

L. Holmes and K. Travis

Speed networking can be an effective way to promote new research collaborations.

Reaching for the Stars

C. Thomas

Maggie Aderin-Pocock’s passion for science drives her career and public outreach.

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Science Policy News and Analysis

Case Closed: Scientists Nab Birds That Brought Down Airplane

Forensic analysis of feathers fingers culprit in Hudson River crash.

Meningococcal Type IV Pili Recruit the Polarity Complex to Cross the Brain Endothelium

M. Coureuil et al.

Adhesion of bacteria to cells lining blood vessels in the brain induces them to part and allows pathogen invasion.

LXR Regulates Cholesterol Uptake Through Idol-Dependent Ubiquitination of the LDL Receptor

N. Zelcer et al.

Cholesterol metabolism is regulated by a signaling pathway that targets the LDL receptor for degradation.

Self-Assembling Sequence-Adaptive Peptide Nucleic Acids

Y. Ura et al.

A synthetic DNA analog can dynamically adapt its sequence in response to changing templates.

Experimental Realization of a Three-Dimensional Topological Insulator, Bi2Te3

Y. L. Chen et al.

Bi2Te3 is identified as a three-dimensional topological insulator with a single metallic surface state.

Comment on “Tail Reconnection Triggering Substorm Onset”

A. T. Y. Liu

full text at www.sciencemag.org/cgi/content/full/324/5933/1391-b

Response to Comment on “Tail Reconnection Triggering Substorm Onset”

V. Angelopoulos et al.

full text at www.sciencemag.org/cgi/content/full/324/5933/1391-c

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