**RESEARCH ARTICLES**

1117 Dynamic Reorganization of River Basins
S. D. Willett et al.
A proxy for river elevation demonstrates the degree to which river networks reorganize and equilibrate.
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1118 Innate Immune Activity Conditions the Effect of Regulatory Variants upon Monocyte Gene Expression
B. P. Fairfax et al.
Analysis of the transcriptional responses during induced innate immune activity in primary human monocytes is explained.
*Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1246949*

1119 Common Genetic Variants Modulate Pathogen-Sensing Responses in Human Dendritic Cells
M. N. Lee et al.
Mapping of human host-pathogen gene-by-environment interactions identifies pathogen-specific loci.
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1116 Rapid Reductions in North Atlantic Deep Water During the Peak of the Last Interglacial Period
E. V. Galasson et al.
Deep ocean circulation was less stable during the last interglacial periods than previously supposed.

1133 Structural Basis for Heavy Metal Detoxification by an Atm1-Type ABC Exporter
J. Y. Lee et al.
Structural and functional studies of ABC exporters provide insight into how glutathione derivatives are translocated.

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V. Srinivasan et al.
Crystallography and spectroscopy detail a key mechanistic step in the microbial biosynthesis of an important antibiotic class.

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S. Cortijo et al.
Genetic mapping reveals epigenetic changes associated with flowering time and root length.

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A methyl-branch cuticular hydrocarbon affects both desiccation resistance and mate choice in related Drosophila species.

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C. D. Andrews et al.
Prolonged protection from repeated SHIV challenges is demonstrated in macaques.

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A. S. Siraj et al.
Warmer years promote malaria cases at higher altitudes.

**REPORTS**

1120 Quantifying Molecular Stiffness and Interaction with Lateral Force Microscopy
A. J. Weymouth et al.
Lateral force microscopy reveals the torsional spring constant of a carbon monoxide molecule at the end of an atomic force microscope tip.

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B. M. Walsh et al.
Ground-based and satellite observations show that a plume extends all the way to the magnetopause and can persist for hours.

1125 Tunable Phonon Polaritons in Atomically Thin van der Waals Crystals of Boron Nitride
S. Dai et al.
Infrared nanoimaging is used to detect a type of surface collective mode in a representative van der Waals crystal.
Editor's Summary

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