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Tsunami production by iceberg capsize — in theory. *Anders Levermann.*

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Explanations of Tibetan faulting and surface deformation. *Jeffrey T Freymueller*.

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M Euraku et al.

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Eve contact.

Clusters of mouse stem cells self-organize into structures resembling the optic cup, a precursor of the embryonic eye, and form fully stratified retinal tissue. This has important implications for regenerative medicine. The cover illustration was generated from multiphoton images of an in vitro generated optic cup. Pages 42 & 51.

57 Cardiovascular Disease.

Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease.

Z Wang et al.

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Streptococcal M1 protein constructs a pathological host fibrinogen network. *P Machebouef et al.*

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A H Safavi-Naeini et al.

74 Physics.

High-frequency, scaled grapheme transistors on diamond-like carbon.

Y Wu et al.

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79 Geophysics.

Evidence for mechanical coupling and strong Indian lower crust beneath southern Tibet.

A Copley, J-P Avouac & B P Wernicke.

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82 Geophysics.

Low strength of deep San Andres fault gouge from SAFOD core.

DA Lockner, C Morrow, D Moore & S Hickman.

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86 Ecology.

Biodiversity improves water quality through niche partitioning.

B J Cardinale.

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90 Cancer Genomics.

Tumour evolution inferred by single-cell sequencing.

N Navin et al.

95 Animal Behaviour.

Molecular regulation of sexual preference revealed by genetic studies of 5-HT in the brains of male mice.

Y Liu et al.

Neuroscience.

Local, persistent activation of Rho GTPases during plasticity of single dentritic spines.

H Murakoshi, H Wang & R Yasuda.

105 Immunology.

Dampening of death pathways by schnurri-2 is essential for T-cell development.

T L Staton et al.

110 Stem Cells.

Hedgehog / Wnt feedback supports regenerative proliferation of epithelial stem in bladder.

K Shin et al.

115 Molecular Biology.

An siRNA pathway prevents transgenerational retrotransposition in plants subjected to stress.

H Ito et al.

Genomics.

A long noncoding RNA maintains active chromatin to coordinate homeotic gene expression.

K C Wang et al.

Microbiology.

Blood lines.

A streptococcal virulence factor organizes host fibrinogen molecules into a clot-like network page 64.