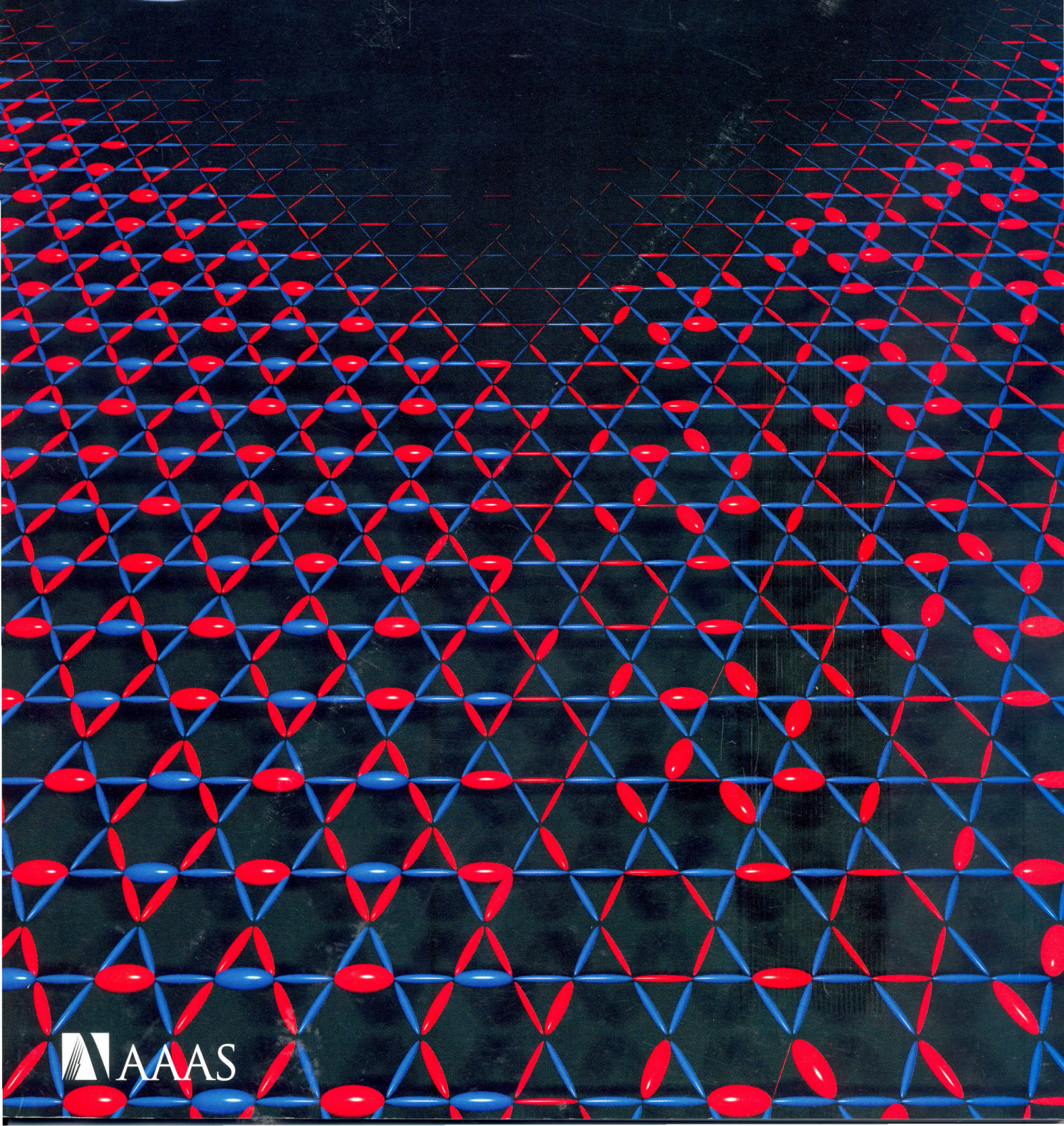


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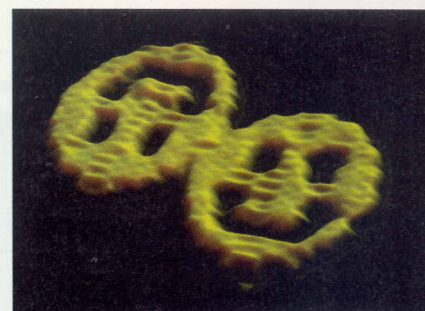
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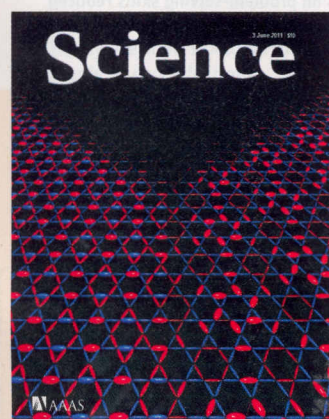
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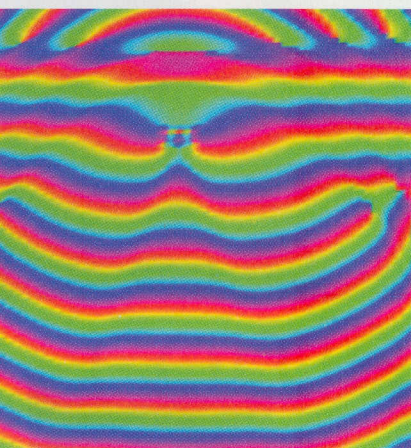
COVER

Three possible phases of the kagome Heisenberg antiferromagnet, a model of geometrically "frustrated" magnetism: the diamond-pattern valence bond crystal (lower left), honeycomb valence bond crystal (lower right), and quantum spin liquid (upper empty wedge). Deviations of bond strengths from their average values are shown by bond widths and colors (red, stronger; blue, weaker). The simulations of Yan *et al.* (p. 1173) show that the true ground-state phase is the quantum spin liquid.

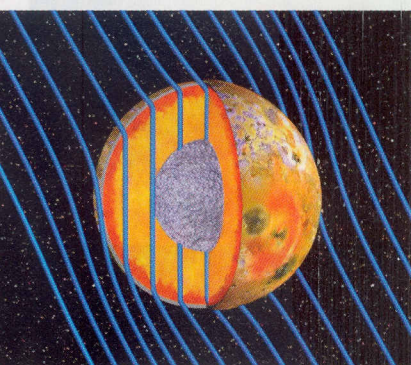
Image: Steven R. White, University of California, Irvine

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Chronic fatigue syndrome patients reported previously to be XMRV-infected show no signs of the virus in an independent evaluation.

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10.1126/science.1206593

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RESEARCH ARTICLE: Integration of Activating and Inhibitory Receptor Signaling by Regulated Phosphorylation of Vav1 in Immune Cells

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The extent of phosphorylation of a guanine nucleotide exchange factor determines the cytotoxicity of natural killer cells.

PERSPECTIVE: Cancer Cells Exploit the Eph-Ephrin System to Promote Invasion and Metastasis—Tales of Unwitting Partners

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Eph receptors and their ephrin ligands regulate contact inhibition of locomotion and its evasion in cancer cells.

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1 June issue: <http://scim.ag/stm060111>

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PERSPECTIVE: Rituximab's New Therapeutic Target—The Podocyte Actin Cytoskeleton

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RESEARCH ARTICLE: A HIF-Regulated VHL-PTP1B-Src Signaling Axis Identifies a Therapeutic Target in Renal Cell Carcinoma

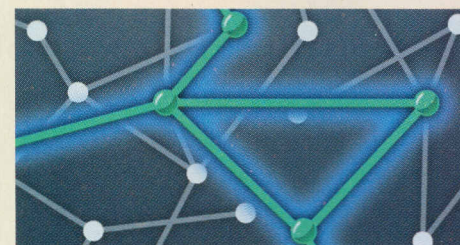
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Signaling through the VHL-PTP1B-Src pathway in renal cell carcinomas may determine sensitivity to Src inhibitors and provide a basis for treatment planning.

RESEARCH ARTICLE: MF59 Adjuvant Enhances Diversity and Affinity of Antibody-Mediated Immune Response to Pandemic Influenza Vaccines

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Adjuvant use improves the quality and quantity of the immune response to pandemic influenza vaccines.



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