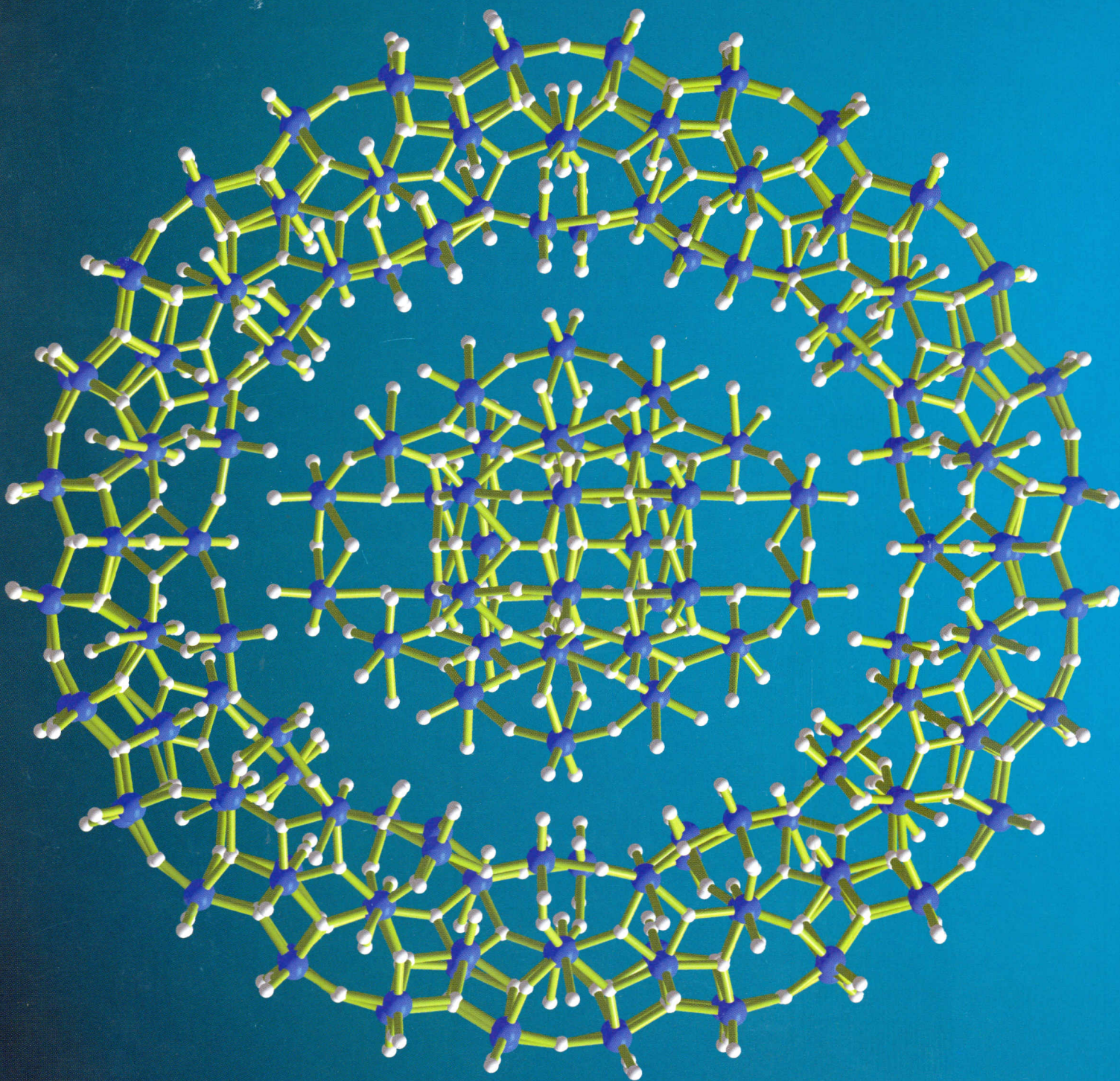


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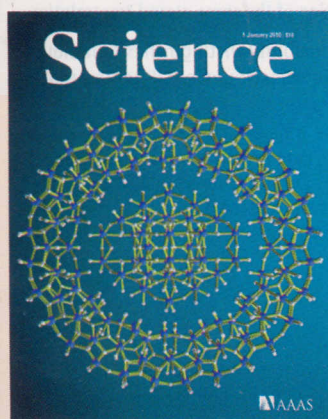
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Crystal structure of a molybdenum oxide nanowheel, 2.6 nanometers in diameter, around a smaller molybdenum oxide cluster. Miras et al. (page 72; related Perspective page 38) used a controlled-flow reactor to show that the central core serves as a transient template for the self-assembly of the nanowheel and is ultimately ejected to yield a hollow finished product.

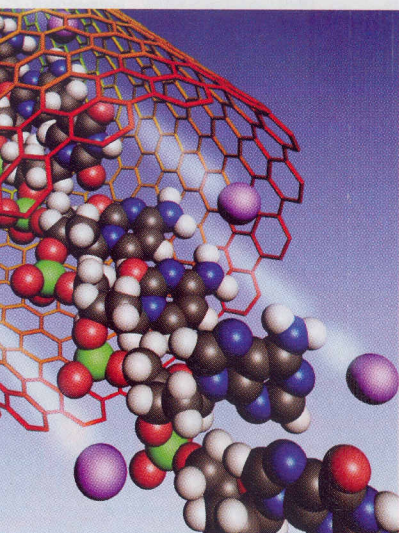
Image: Leroy Cronin, Ryo Tsunashima, Haralampos Miras/
University of Glasgow

DEPARTMENTS

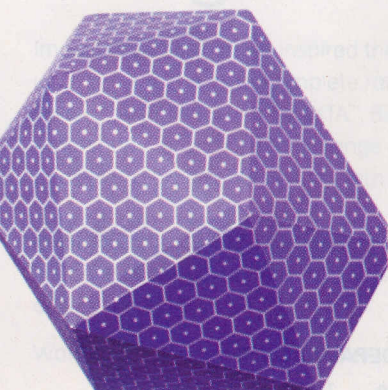
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G. A. Brennecka et al.

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10.1126/science.1180871

Darwinian Evolution of Prions in Cell Culture

J. Li et al.

When propagated in vitro, prion strains demonstrate adaptability and selection.
10.1126/science.1183218

Protein PRDM9 Is a Major Determinant of Meiotic Recombination Hotspots in Humans and Mice

F. Baudat et al.

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10.1126/science.1181495

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RESEARCH ARTICLE: Regulation of Epidermal Growth Factor Receptor Trafficking by Lysine Deacetylase HDAC6

Y. Lissanur Deribe et al.

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RESEARCH ARTICLE: Tumor Suppression by PTEN Requires the Activation of the PKR-eIF2 α Phosphorylation Pathway

Z. Mounir et al.

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RESEARCH ARTICLE: Cbl Controls EGFR Fate by Regulating Early Endosome Fusion

G. D. Visser Smit et al.

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PERSPECTIVE: Channeling Calcium—A Shared Mechanism for Exocytosis-Endocytosis Coupling

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Exocytotic insertion of calcium channels can couple exocytosis with endocytosis.

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PERSPECTIVE: PPAR γ Activation—A Potential Treatment for Pulmonary Hypertension

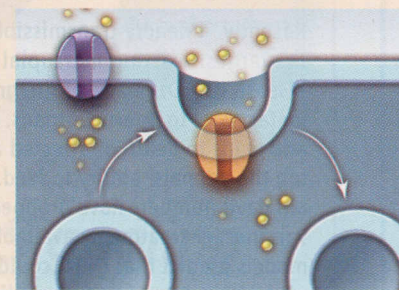
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A new target is identified to thwart heart failure.

PERSPECTIVE: $\alpha_2\text{A}$ -Adrenergic Receptors in the Genetics, Pathogenesis, and Treatment of Type 2 Diabetes

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Results originating from rat genetics make a compelling case for the ADRA2A locus and type 2 diabetes in humans.



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RESEARCH ARTICLE: Measurement and Clinical Monitoring of Human Lymphocyte Clonality by Massively Parallel V-D-J Pyrosequencing

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REPORT: Seasonal Influenza Vaccine Provides Priming for A/H1N1 Influenza Immunization

G. Del Giudice et al.

A vaccine currently used to protect against H1N1 is more effective when co-injected with an adjuvant and seasonal flu vaccine.

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