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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

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The distinctive properties of this supernova suggest that it is of a kind predicted by theory but not previously observed.

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J. Simon et al.
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An Unusually Fast-Evolving Supernova
D. Poznanski et al.
The distinctive properties of this supernova suggest that it is of a kind predicted by theory but not previously observed.

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Controls Activation of Mammalian Gene in Meiotic Recombination

- Activation—A Potential

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- G. A. Brennecka et al.

Variable abundances of meteorite isotopes may require correcting the lead-based age of the solar system by 5 million years.

10.1126/science.1180871

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- J. Li et al.

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10.1126/science.1183218

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

- F. Baudat et al.

10.1126/science.1183439

Drive Against Hotspot Motifs in Primates Implicates the PRDM9 Gene in Meiotic Recombination

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10.1126/science.1182363

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- E. D. Parvanov et al.

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