## REVIEW

**1309** Rinderpest Eradication: Appropriate Technology and Social Innovations  
*J. C. Mariner et al.*

## BREVIA

**1313** Adaptive Prolonged Postreproductive Life Span in Killer Whales  
*E. A. Foster et al.*

Killer whale mothers continue to help their adult male offspring to survive long after ceasing reproduction.

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## REPORTS

**1314** Octet-Line Node Structure of Superconducting Order Parameter in $\text{KFe}_2\text{As}_2$  
*K. Okazaki et al.*

Laser-based photoemission spectroscopy is used to map out the pairing gap of an iron-based superconductor.

**1318** Relaxation and Prethermalization in an Isolated Quantum System  
*M. Gring et al.*

Two halves of a split ultracold gas of rubidium atoms retain memory of the initial state for an extended time.

**1322** Oxidative Aliphatic C-H Fluorination with Fluoride Ion Catalyzed by a Manganese Porphyrin  
*W. Liu et al.*

A catalyst introduces fluorine in a convenient, mild fashion to a range of relatively inert hydrocarbons.

**1326** Bond-Order Discrimination by Atomic Force Microscopy  
*L. Gross et al.*

Images detected with an atomic force microscope tip decorated with a carbon monoxide molecule could distinguish Pauling bond order.

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**1330** Glacier Extent During the Younger Dryas and 8.2-ka Event on Baffin Island, Arctic Canada  
*N. E. Young et al.*

Cooling during the event that occurred 8.2 thousand years ago was less extreme but more evenly distributed across the seasons than during the Younger Dryas.

**1333** Initiation of Cell Wall Pattern by a Rho- and Microtubule-Driven Symmetry Breaking  
*Y. Oda and H. Fukuda*

A Rho guanosine triphosphatase–based regulatory mechanism reveals how plants remodel membranes and cell walls to produce various cell shapes.

**1336** A Killer-Protector System Regulates Both Hybrid Sterility and Segregation Distortion in Rice  
*J. Yang et al.*

A genetic locus containing three protein-coding genes underlies the system causing hybrid sterility among rice species.

**1340** Single Reconstituted Neuronal SNARE Complexes Zipper in Three Distinct Stages  
*Y. Gao et al.*

Zippering of a single SNARE complex generates high force and energy that can potentially drive synaptic membrane fusion.

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**1343** Highly Conserved Protective Epitopes on Influenza B Viruses  
*C. Dreyfus et al.*

Three broadly neutralizing human monoclonal antibodies protect mice against influenza B.

**1348** Structural Probing of a Protein Phosphatase 2A Network by Chemical Cross-Linking and Mass Spectrometry  
*F. Herzog et al.*

Spatial restraints revealed by chemical cross-linking and mass spectrometry elucidate the topology of a dynamic signaling network.

**1353** Global Gene Deletion Analysis Exploring Yeast Filamentous Growth  
*O. Ryan et al.*

Yeast genes involved in the dimorphic switch between cell budding and filamentous growth types are identified.

**1357** A Critical Period for Social Experience–Dependent Oligodendrocyte Maturation and Myelination  
*M. Makinodan et al.*

In mice, early social experience regulates prefrontal cortex myelination that is essential for normal cognitive development.

**1360** Active DNA Demethylation in Plant Companion Cells Reinforces Transposon Methylation in Gametes  
*C. A. Ibarra et al.*

Activation of transposable elements in the companion cells of plant gametes can silence transposable elements in the gamete.