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Model of the protein lysin superimposed on the shells of a red abalone. To fertilize the egg, the abalone spermatozoon must disrupt the protective vitelline envelope. Lysin binds to the filamentous glycoproteins that form the envelope and creates a hole by means of a nonenzymatic process. The lysin-glycoprotein association also contributes to the species recognition between sperm and egg. See page 1864. [Cover design: Peggy Myer. Digital photography: Bob Turner. Molecular model: Mike Pique]

### REPORTS

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**Orphan Strontium-87 in Abyssal Peridottites: Daddy Was a Granite**

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**A Functional Recombinant Myosin II Lacking a Regulatory Light Chain-Binding Site**

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**Inhibition of Transcriptional Regulator Yin-Yang-1 by Association with c-Myc**

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**Attachment of Helicobacter pylori to Human Gastric Epithelium Mediated by Blood Group Antigens**

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