False-colored scanning electron micrograph of a zebrafish (*Danio rerio*) embryo (~0.7 millimeters across) at a late stage of development. Biophysical studies of model organisms such as zebrafish reveal forces that organize tissue patterns and shape cell layers and physical features (segments, cavities, and folds).

The special section beginning on page 209 presents work in which physicists and biologists collaborate to explain the physical mechanisms of animal development.

*Image: Dr. Richard Kessel/Visuals Unlimited, Inc.*
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K. Miyakawa et al.
HIV-infected cells dephosphorylate and inactivate a viral factor to restrict viral spreading.

RESEARCH ARTICLE: Specificity of Linear Motifs That Bind to a Common Mitogen-Activated Protein Kinase Docking Groove
A. Garal et al.
Three related kinases use structural features to discriminate between potential binding partners.

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P. Pervanidou and G. P. Chrousos
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Human neural stem cell transplants restore myelination in mice with a hypomyelination disorder.

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