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COVER
Corals such as this 150-million-year-old colony of Thecosmilia trichotoma (with oyster Actinostreon attached) from southern Germany formed reefs during most of the Phanerozoic eon. These reefs harbored tremendous biodiversity that was subsequently exported to non-reef habitats. See page 196.

Photo: Antje Dittmann and Carola Radke/Museum für Naturkunde, Berlin

Published by AAAS
www.sciencemag.org SCIENCE VOL 327 8 JANUARY 2010 117
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Incident sunlight probably caused this asteroid to spin, which redistributed its mass and smoothed its surface.

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Sequence variations in an adrenergic receptor gene cause reduced insulin secretion and contribute to type 2 diabetes.
Planet-Detection Mission:

Integrin pathways. The importance of looking beyond linear signaling
The signaling breakthroughs of 2009 emphasize

A. M. Adler

EDITORIAL GUIDE: 2009—The Signal Transduction Knowledge Environment

www.sciencesignaling.org

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of Centrosomal Microtubule Nucleation
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Neuronal polarization and axon regeneration depend on decentralized microtubule assembly rather than a functional centrosome.

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