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Fluorescence microscopy image showing fragmentation of chromosomal DNA (green) during programmed cell death or apoptosis in a Caenorhabditis elegans embryo. Chromosomes are stained blue and nuclear envelopes red. During apoptosis, the ribonuclease Dicer, known for its role in gene silencing, is converted to a deoxyribonuclease and initiates this DNA fragmentation process. See page 327.

Image: Jay Parrish/University of Colorado

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RESEARCH ARTICLE: Identification of the mir-106b–25 microRNA Cluster as a Proto-Oncogenic PTEN-Targeting Intron That Cooperates with its Host Gene MCM7 in Transformation
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A microRNA network regulates the tumor suppressor PTEN in prostate cancer.

PERSPECTIVE: Not Lost in Space— Trafficking PTEN in prostate cancer.

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PERSPECTIVE: Optimal Control of Blood Glucose—The Diabetic Patient or the Machine?
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RESEARCH: A Bi-Hormonal Closed-Loop Artificial Pancreas for Type 1 Diabetes
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