

TheScientist

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EXPLORING LIFE, INSPIRING INNOVATION

BREAKING WITH CONVENTION

IS THE POPULAR DEMAND
FOR ALTERNATIVE MEDICINES
BACKED BY SCIENTIFIC
EVIDENCE?

FUTURE
BIOFUEL CROPS

UBIQUITIN
ARCHITECTURE

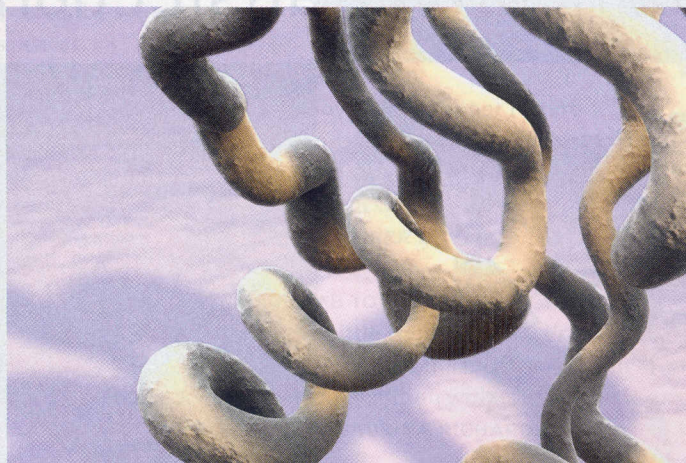
SYN BIO SOFTWARE

PLUS
MARKETING CELL
THERAPIES



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Alternative Medicines

As nonconventional medical treatments become increasingly mainstream, we take a look at the science behind some of the most popular.

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On the Chain Gang

More than simply helping haul out a cell's garbage, ubiquitin, with its panoply of chain lengths and shapes, marks and regulates many unrelated cellular processes.

BY KEITH D. WILKINSON
AND DAVID FUSHMAN

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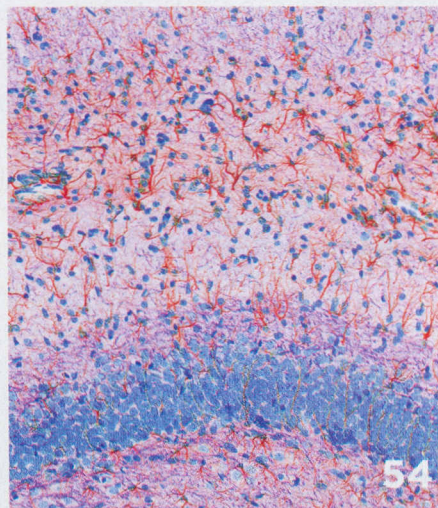
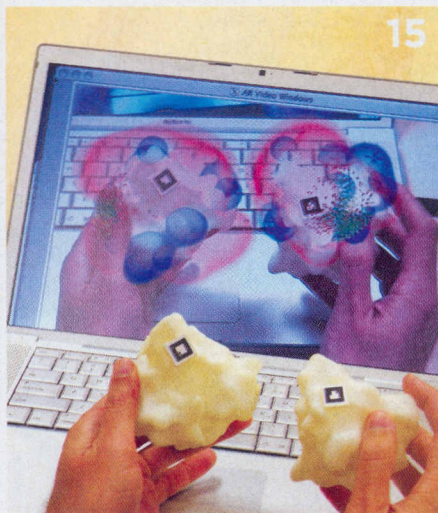
Growing Better Biofuel Crops

Research is underway to reduce the use of food crops for biofuels by shifting to dedicated energy crops and agricultural residues.

BY HEATHER YOUNGS
AND CHRIS SOMERVILLE

ON THE COVER: PHOTO BY BILGEHAN YILMAZ

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