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ON THE COVER
To make mice better mirrors of human cancer, researchers are building "avatars" with the cancer of a particular patient, or engineering mice to spontaneously develop tumors just like people do. The work marks a sea change in cancer biology and is stirring hope that new mouse models will pave the way to more personalized care. See pages 24 and 28.

Photo: Joe McNally

A molecule that helps yeast beat the heat

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PHOTO: (TOP LEFT) TAO JI; (TOP CENTER) GREGORY CHENG; (TOP RIGHT) ANNICK DELANNOY/GALILEO PHOTO AGENCY