

TheScientist

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F1000'S MAGAZINE OF THE LIFE SCIENCES

MORE THAN MEETS THE EYE

PETER SATIR ON CILIA'S ROLE
IN DEVELOPMENT
AND DISEASE

THE EPIDEMIC OF
BRAIN INJURY:
HAS SCIENCE
FOUND A FIX?

BEST PLACES
TO WORK IN
ACADEMIA

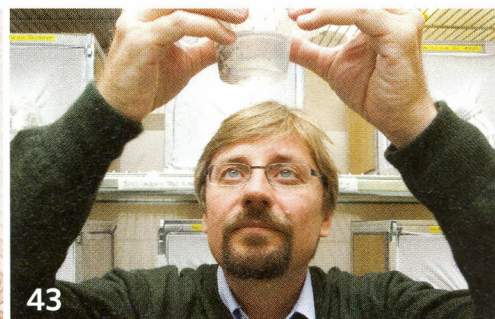
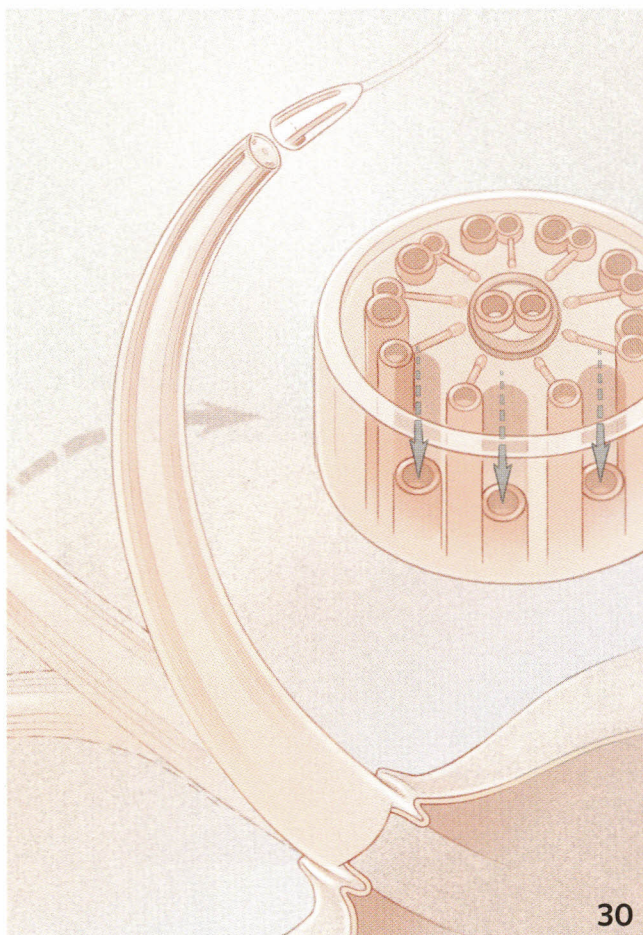
BIOLOGY TACKLES
BIODIESEL WASTE

PLUS:
WHAT DOES THE
SYNTHETIC CELL
SAY ABOUT LIFE?



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July 2010



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COVER STORY » Cilia are a must-have appendage, and do much more than swat bodily currents. Indeed, as PETER SATIR of Albert Einstein College of Medicine explains, new research is suggesting they play an important role in development and disease.

ON THE COVER

SEM of Tracheal epithelium surface
© Dennis Kunkel / Visuals Unlimited

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It affects thousands per day, yet receives only a small fraction of the funding allocated to much less common diseases, and has no treatment. It's not from lack of trying—according to MEGAN SCUDELLARI, in recent years, nearly 30 Phase III trials of treatments for traumatic brain injury have failed. Now, researchers studying TBI are making a last-ditch effort to transform the field.

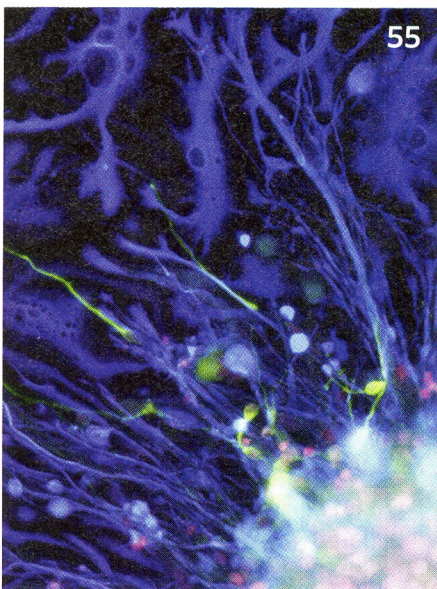
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From the farmlands of France to the rust-colored post-industrial cities of Michigan, this year's top institutions are finding good science in some rather unusual places. How does your institution stack up?



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