sensors nanoscience biomedical engineering and
Sensors that measure sweat could be coming to the market soon, but for them to be useful, we’ll need to understand more about this fluid that our body produces.

how sweat sensors could play a critical role in monitoring our health
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opinion: how sweat sensors could play a critical role in monitoring our health
Tejal Desai, a professor and researcher who has led academic programs at the University of California San Francisco, Boston University and elsewhere, will work to expand collaborative engineering.

accomplished biomedical engineer, academic leader named brown school of engineering dean
A team of engineers, surgeons and medical researchers has published data from both humans and rats demonstrating that a new array of brain sensors can record electrical signals directly from the brain.

new sensor grids record human brain signals in record-breaking resolution
A team of engineers, neurosurgeons and medical researchers has published data from both humans and rats demonstrating that a new array of brain sensors can record electrical signals directly from the brain.

optical fiber-based plasmonics biosensors for biomedical applications
Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, Ningbo 315201, People’s Republic of China CAS Center for Excellence in Nanoscience, Beijing Key Laboratory of Nanoscience, Beijing Key Laboratory of Plasmonics, thanks to various alluring features and applications, is a highly dynamic field catering to multi-faceted research domains and naturally involves several researchers, scientists, and optical fiber-based plasmonics biosensors for biomedical applications.

a flexible and ultra-highly sensitive tactile sensor through a parallel circuit by a magnetic aligned conductive composite
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Scientists have developed an advanced new brain sensor that promises to take the safety and efficiency of cancer and epilepsy treatment into new terrain. The groundbreaking device is able to record thin, flexible sensor records brain activity in record-breaking detail.

Here we describe a new paradigm for optofluidic [14, 15] sensing that allows us to overcome this limitation, which we refer to as Nanoscale Optofluidic Sensor Arrays.

nanoscale optofluidic sensor arrays
High-resolution recordings of electrical signals from the surface of the brain could improve neurosurgeons’ ability to remove brain tumors and treat epilepsy, and could open up new possibilities for

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Xueji Zhang, Editor-in-chief We handpick sensors research from across the natural sciences – think chemistry, but also physics, biology, engineering across the breadth of related fields, including sensors & diagnostics.

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