

## UCSD Physics Professor Receives \$2.5 million NIH Director's Pioneer Award

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David Kleinfeld, Professor of Physics at UC San Diego, will receive a \$2.5 million Director's Pioneer Award from the National Institutes of Health for his groundbreaking work on the control of blood flow in the brain.

Kleinfeld and his colleagues will use emerging genetic and optical tools to determine how chemical signals from brain cells control the distribution of blood, a vital and limited resource in the brain. The work bears on all aspects of brain function, Kleinfeld said, including the resilience of cognitive processes to damage caused by vascular trauma or disease.

The grants are designed to support individual scientists of exceptional creativity who propose pioneering - and possibly transforming approaches - to major challenges in biomedical and behavioral research and contributions to science.

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