



BIOLOGICAL SENSING AND COMMUNICATION USING OPTOGENETICS AND ELECTRONICS

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The Invention

UW–Madison researchers have combined the innate sensing capabilities of biological compounds with the power of electronics to create a hybrid “bio-electronic” network. This enables new biosensor systems that leverage biological components for sensing but offload processing and computation to traditional electronics and communication infrastructure. This technology could be used in many fields, from health care to environmental monitoring.

Additional Information

For More Information About the Inventors

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Tech Fields

- [Analytical Instrumentation, Methods & Materials : Microfluidics](#)
- [Analytical Instrumentation, Methods & Materials : Sensors](#)
- [Information Technology : Networking & telecommunications](#)

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