

Nano-Neuro Technologies: Tiny Electronics for Monitoring Brain Activity and More

Todd Coleman, PhD, Director of the Neural Interaction Laboratory, Associate Professor of Bioengineering

As we live longer, and as other advancements in medicine allow for our bodies to continue to function, the bottleneck to living long, meaningful lives will increasingly be the brain. Dr. Coleman will discuss how the combination of advances in sensors (think tiny skin-like patches), our understanding of the brain and today's powerful computers give rise to an increasingly rich variety of applications.

Dr. Coleman will illustrate the exciting new technologies his lab is developing to unobtrusively monitor the brain, which holds great promise for treatments to be adapted on an individual, 'custom' basis.