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Creating Soft "Biocompatible" Tech

Traditional medical devices are solid and rigid while human bodies are soft and flexible. That mismatch in physical properties makes it hard to integrate man-made devices with the body. But that is now changing, thanks to advances in mechanical and electrical engineering, materials science, and manufacturing. This talk features some of these recent "biocompatible" devices, including a battery-free electronic "tattoo" that monitors vital signs for neonatal intensive care patients and a microfluidic sensor that helps elite athletes manage their hydration.

Friday, May 5, 2023, from 5:00 to 6:00 pm EDT
(2:00 pm PDT / 3:00 pm MDT / 4:00 pm CDT)

In-person and Online (Zoom / livestream)
Kavli Auditorium, National Academy of Sciences Building
2101 Constitution Avenue, NW, Washington DC

The event is free; please register by April 17, 2023 at:
https://events.nationalacademies.org/05-05-2023_usnc-tam-distinguished-lecture

*We are thrilled to have **Dr. John Rogers**, Simpson/Querrey Professor at Northwestern University, as the 2023 USNC/TAM Distinguished Lecturer. His research has been recognized by many awards, including a MacArthur Fellowship (2009), the Lemelson-MIT Prize (2011), the Smithsonian Award for American Ingenuity in the Physical Sciences (2013), and the Benjamin Franklin Medal (2019).*

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