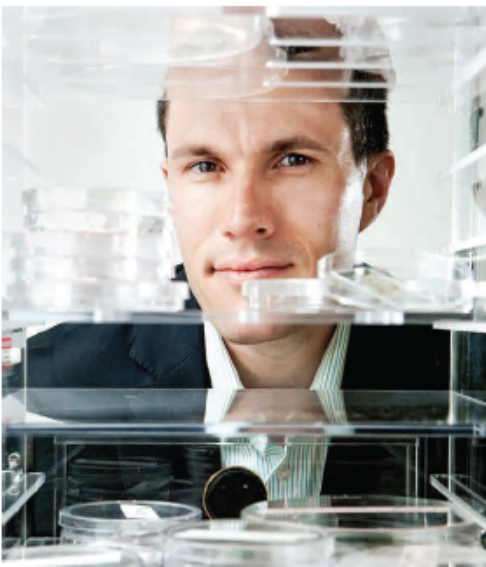


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The next generation of bio-integrated electronic devices will be important for use in applications ranging from controlled release systems to brain-machine interfaces. Integration of devices with the human body can be achieved by engineering the abiotic-biotic interface. The group of Professor Bettinger synthesizes new materials and structures that seamlessly meld the tissue-device interface to improve the efficacy of medical devices. The research is focused on the design and synthesis of ultra-compliant biocompatible electronic conductors for soft tissue interfaces, and edible electronics for non-invasive device deployment. These efforts will reduce the cost and improve the delivery of healthcare to many patient populations. Professor Bettinger is a recipient of the IUPAC Prize for Young Chemists, the American Chemical Society AkzoNobel Award, and the Technology Review TR35 Award.

