



John A. Rogers, PhD

Northwestern University

Department of Materials Science & Engineering, Biomedical Engineering and Neurological Surgery, Electrical and Computer Engineering, Mechanical Engineering, Chemistry, Dermatology and Bioelectronics

AREA(S) OF FOCUS:

Using soft materials to develop flexible and practical biosensors

The Rogers lab combines material science and device design for applications in healthcare, lighting, and energy. Work has generated 80+ patent applications, 50 of which are licensed or in active use by large companies and startups.

KEY RESEARCH AREAS:

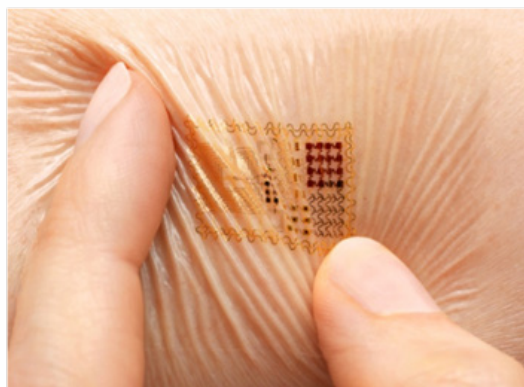
Optogenetics

Fully implantable, cellular-scale light sources that enable exploration of optogenetics – using light to manipulate cellular properties.

Biosensors for healthcare

Wireless, skin-like systems for monitoring of vital signs in intensive care neonates, the new implantable devices may also harmlessly dissolve after the application period.

Flexible Electronics



ENTREPRENEURIAL SUCCESS:



Delivers better health data with soft, flexible skin sensors that are powered by advanced analytics and software.

Series B (2022) - \$33M



Wearable, virtually invisible electronics that quickly transmit human physiological data.

Acquired by Medidata (2020)



Wireless, external wearable skin patches that monitor fluid flow subdermally throughout the body in babies with hydrocephalus.

Series A (2021) - \$6M and raised \$7.6 million overall.

Additional companies include:

