## John A. Rogers

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### **Education:**

### Harvard University

Junior Fellow of the Society of Fellows, Aug. 1995 - Sept. 1997.

### Massachusetts Institute of Technology

Ph.D. degree in Physical Chemistry, May 1995.S.M. degree in Physics, Febr. 1992.S.M. degree in Chemistry, Febr. 1992.

## University of Texas at Austin

B.S. degree in Physics (with Highest Honors), May 1989.B.A. degree in Chemistry (with Highest Honors), May 1989.

## **Experience:**

## University of Illinois at Urbana/Champaign: Urbana, Illinois.

January 2013 to present

Swanlund Chair Professor – Continue programs listed below

January 2003 to present

Lee J. Flory-Founder Chair Professor in Engineering, Departments of Materials Science and Engineering, Electrical and Computer Engineering, Bioengineering, Mechanical Science and Engineering, and Chemistry -- Initiate new programs in semiconductor nanomaterials, carbon nanotubes, three dimensional and molecular scale lithography and optics. Manage a large, interdisciplinary group of graduate students and postdocs with backgrounds in physics, materials science, chemistry, electrical engineering, mechanical engineering and chemical engineering. Collaborate extensively with academic and industrial research groups. Launch new companies: Semprius (2006), MC10 (2008), CoolEdge (2009), and Transient Electronics (2012). Serve as Director of our Materials Research Laboratory.

# Bell Laboratories, Lucent Technologies: Murray Hill, New Jersey.

August 2000 to January 2003

<u>Director, Condensed Matter Physics Research</u> -- Continued research program described below, and led the Condensed Matter Physics Research Department. Managed budgetary and hiring decisions for the department, which consisted of senior Ph.D.'s, postdocs and support staff. Established new directions for research in the chemistry and physics of soft materials for unconventional optoelectronic devices.

### October 1997 to August 2000

<u>Member of Technical Staff, Condensed Matter Physics Research</u> -- Launched research efforts in unusual materials and fabrication techniques for electronics and photonics. Established new basic scientific understanding of these systems, and also successfully transferred several of the results into important pieces of technology. Tunable chromatic

dispersion compensator fiber devices commercialized by Lucent (RightWave TDC) and processing approaches licensed to an external company for flexible displays represent two examples.

Harvard University: Cambridge, Massachusetts.

September 1995 to August 1997

<u>Junior Fellow of the Society of Fellows</u> – Conducted research in soft lithography and unusual optical and MEMS devices in the laboratory of Prof. G.M. Whitesides.

Active Impulse Systems, Inc.: Natick, Massachusetts.

September 1995 to August 1998

<u>Co-Founder and Director</u> – Commercialized metrology tools based on picosecond laser techniques invented during PhD work at M.I.T.

# **Publications:**

Over 350 papers in journals including Science, Nature, Science Translational Medicine, Nature Materials, Nature Nanotechnology, Proceedings of the National Academy of Sciences, IEEE Electron Device Letters, Nano Letters, Applied Physics Letters, Optics Letters, and many others.

## Patents:

Over 80 patents and patent applications in areas ranging from acoustics to neural networks to nanofabrication to fiber optics and stretchable electronics. More than 50 of these are licensed or in active use.

### **Selected Recent Honors:**

Mid-Career Researcher Award, Materials Research Society, 2013. Director's Transformative Research Award, National Institutes of Health, 2012. Lemelson-MIT Prize, 2011. Member, National Academy of Engineering, 2011. MacArthur Fellow, John D. and Catherine T. MacArthur Foundation, 2009. George Smith Award, Institute of Electrical and Electronics Engineers, 2009. Fellow, Institute of Electrical and Electronics Engineers, 2009. National Security Science and Engineering Faculty Fellow, Dept. of Defense, 2008. Fellow, American Association for the Advancement of Science, 2008. Daniel Drucker Eminent Faculty Award, University of Illinois, 2007. Fellow (inaugural), Materials Research Society, 2007. Fellow, American Physical Society, 2006. Leo Hendrik Baekeland Award, American Chemical Society, 2007. Selected four times for one of the "Top 10 Technologies of the Year" by MIT's Technology Review magazine: world record photovoltaics (2012); bioresorbable electronics (2010); stretchable silicon (2006); microfluidic optical fiber (2004). Selected as One of the Top 50 Research Leaders for 2005, by Scientific American.

# Personal:

Birthdate and place: August 24, 1967 in Rolla, MO Eagle Scout, member of Troop 301.