

John A. Rogers

Northwestern University and Querrey/Simpson Institute for Bioelectronics
McCormick School of Engineering, Weinberg College of Arts and Sciences
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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:

Northwestern University: Evanston, Illinois

September 2016 to present

Louis Simpson and Kimberly Querrey Professor Departments of Materials Science and Engineering, Biomedical Engineering, Neurological Surgery, Electrical and Computer Engineering, Mechanical Science and Engineering, Chemistry and Dermatology (2021-) Director, Querrey/Simpson Institute for Bioelectronics – Continue programs listed below, but with an increased emphasis on translational biomedical engineering.

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

September 2016 to present

Professor -- Leave of absence

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. Pursued research on semiconductor nanomaterials, carbon nanotubes, three dimensional and molecular scale lithography and optics. Served as Director of an NSF-NSEC on Nanomanufacturing (2010-2012) and Director of the Frederik Seitz Materials Research Laboratory (2012-2016).

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

August 2000 to January 2003

Director, Condensed Matter Physics Research -- 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

Member of Technical Staff, Condensed Matter Physics Research -- 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

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

Publications:

More than 800 papers in journals including *Science, Nature, Cell, JAMA, Science Translational Medicine, Nature Neuroscience, Nature Biotechnology, Nature Materials, Nature Nanotechnology, PNAS, IEEE Electron Device Letters, Applied Physics Letters, Optics Letters*, etc. >150,000 citations (Google Scholar)

Patents:

Over 100 patents and applications, more than 70 of these are licensed or in active use.

Selected Recent Honors:

Monie Ferst Award, *Sigma Xi*, 2021.

Guggenheim Fellow, *John Simon Guggenheim Memorial Foundation*, 2021.

Member, *National Academy of Medicine*, 2019.

Benjamin Franklin Award, *Franklin Institute*, 2019.

MRS Medal, *Materials Research Society*, 2018.

Nadai Medal, *American Society of Mechanical Engineers*, 2017.

Trailblazer Award, *IEEE Engineering in Medicine and Biology Society*, 2016.

Member, *National Academy of Sciences*, 2015.

Chemical Engineering Medal, *Eidgenössische Technische Hochschule Zürich (ETH)*, 2015.

Member, *American Academy for Arts and Sciences*, 2014.

Eringen Medal, *Society of Engineering Science*, 2014.

Honoris Causa Doctorate, *École Polytechnique Fédérale de Lausanne (EPFL)*, 2013.

Smithsonian Ingenuity Award, *Smithsonian Institution*, 2013.

Henry Thurston Award, *American Society of Mechanical Engineers*, 2013.

Mid-Career Researcher Award, *Materials Research Society*, 2013.

Director's Transformative Research Award, *National Institutes of Health*, 2012.

Lemelson-MIT Prize, *Lemelson Foundation*, 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.

National Security Science and Engineering Faculty Fellow, *Dept. of Defense*, 2008.

Daniel Drucker Eminent Faculty Award, *University of Illinois*, 2007.

Leo Hendrik Baekeland Award, *American Chemical Society*, 2007.

Personal:

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