

Cato Thomas Laurencin, M.D., Ph.D.

Current Position (2011 to Present)

University Professor (One of Two at the University of Connecticut)

Albert and Wilda Van Dusen Distinguished Endowed Professor of Orthopaedic Surgery

Professor of Materials Science and Engineering

Professor of Chemical and Biomolecular Engineering

Professor of Biomedical Engineering

Chief Executive Officer, The Connecticut Convergence Institute for Translation in Regenerative

Engineering The University of Connecticut

Education:

1987 Ph.D. Degree, Biochemical Engineering/Biotechnology, Massachusetts Institute of Technology
1987 M.D. Degree, *Magna Cum Laude*, Harvard Medical School
1980 B.S.E. Degree, Chemical Engineering, Princeton University
1976 B.A. Degree, Central High School, Philadelphia, PA

National Academy Memberships

Elected Member, National Academy of Engineering, 2011
Elected Member, National Academy of Medicine, 2004
Elected Fellow, American Academy of Arts and Sciences, 2019

International Academy Memberships

Elected Fellow, National Academy of Sciences, India (Foreign), 2015
Elected Fellow, African Academy of Sciences Fellow (Foreign), 2009
Elected Fellow, Indian National Academy of Engineering (Foreign), 2015
Elected Academician and Member (Foreign) Chinese Academy of Engineering, 2015
Elected Fellow, The World Academy of Sciences, 2007

Fellow Membership Organizations, Science and Engineering

Elected Fellow, American Chemical Society, 2014
Elected Fellow, American Institute of Chemical Engineers, 2012
Elected Fellow, American Association for the Advancement of Science, 2014
Elected Fellow, American Institute for Medical and Biological Engineering, 2000
Elected International Fellow, Biomaterials Science and Engineering, 2000
Elected Fellow, Biomedical Engineering Society, 2010
Elected Fellow, Materials Research Society, 2014
Elected Fellow, National Academy of Inventors, 2015
Elected Fellow, International Academy of Medical and Biological Engineering, 2020

Singular Honors and Awards

International

United Nations UNESCO-Equatorial Guinea International Prize for Research in the Life Sciences, 2020
Global Biomaterials Leadership Award, Chinese Association of Biomaterials, 2019

National

National Medal of Technology and Innovation, 2016

(Awarded by President Barack Obama in Ceremonies at the White House)

Presidential Award for Excellence in Science, Math and Engineering Mentoring, 2009

(Awarded in President Barack Obama in Ceremonies at the White House)

Presidential Faculty Fellow Award, 1995

(Awarded by President Bill Clinton in Ceremonies at the White House)

The Philip Hauge Abelson Prize, American Association for the Advancement of Science, 2019

'for signal contributions to science in the United States'

Simon Ramo Founders Award, National Academy of Engineering (Oldest/Highest Award of the Organization), 2019

Walsh McDermott Medal, National Academy of Medicine (Named for the 'Father of the Institute of Medicine'), 2019

American Association for the Advancement of Science Mentor Award

Elizabeth Hurlock Beckman Award for Mentoring, 2012

Academic Entrepreneur of the Year Award, Connecticut Cure, 2014

Connecticut Medal of Technology, 2018

Distinguished Engineering Educator Award (from the Engineer's Council), 2017

Acta Biomaterialia Gold Medal, 2020

Highest Member Organization Awards

Percy Julian Award and Medal, National Organization of Black Chemists and Chemical Engineers (Highest Award), 2014

Nicolas Andry Award, Association of Bone and Joint Surgeons (Highest Award), 2006

Pierre Galletti Award, American Institute for Medical and Biological Engineering (Highest Award), 2009

Founders Award, Society for Biomaterials (Highest Award), 2016

Living Legend Award, Meritorious Achievement Award (Highest Award) National Medical Association, 2015

Jay Bailey Award, (Highest Award) Society for Biological Engineering, 2020

Von Hippel Award (Highest Award) Materials Research Society, 2020

Awards in Dr. Laurencin's Name

Cato T. Laurencin Lifetime Achievement Award (established by the National Medical Association)

Cato T. Laurencin, M.D., Ph.D. Travelling Fellow Award (established by the Society for Biomaterials)

Diversity Awards

Pioneer of Diversity Award, American Institute of Chemical Engineers, 2015

Diversity Award, Biomedical Engineering Society, 2011

Prestigious Grant Awards

National Institutes of Health (NIH) Director's Pioneer Grant Award

National Science Foundation (NSF) Emerging Frontiers in Research and Innovation Grant Award

Other Selected Member Organizational Awards

Technology Innovation and Development Award of the Society for Biomaterials, 2013

Clemson Award, Society for Biomaterials for Contributions to the Biomaterials Literature, 2006

Edward Orton, Jr. Memorial Lecture (Highest Lectureship Award), American Ceramic Society, 2018

Fred Kavli Distinguished Lectures in Materials Science (Highest Lectureship Award) Materials Research Society, 2016

E.E. Just Lecture Award, American Society for Cell Biology, 2019

Herbert W. Nickens Award (for social justice and equity), American Association of Medical Colleges, 2020

Selected Service Activities

Chair, College of Fellows, American Institute of for Medical and Biological Engineering

Member, Board of Directors, American Institute of Chemical Engineers

Member, Board of Directors, Biomedical Engineering Society

Member, Council, Society for Biomaterials

Member, National Institutes of Health, Advisory Committee Director, National Advisory Council, Biomedical Imaging and
Biomedical Engineering, National Advisory Council, Arthritis, Musculoskeletal and Skin Diseases

Member, National Science Board, U.S. Food and Drug Administration (FDA)

Member, National Science Foundation, Advisory Committee to the Director of Engineering (ADCOM)