

2014 NSEF Award Winners

NSEF is honored to present **Lynden A. Archer** with the 2014 NSEF Forum Award for pioneering and sustained research on nanoparticle-polymer hybrid materials and their applications in electrochemical energy storage technologies and **Ali Khademhosseini** with the 2014 NSEF Young Investigator Award for significant advances in nanoscale engineering for regenerative medicine. The award winners will be highlighted in the NSEF Plenary Session at the AIChE Annual Meeting: Session #76 Plenary Session: Chemical Engineering Principles for Nanotechnology, 8:30 AM-11:00 AM, Marriott: International 6 (Marriott Marquis Atlanta). Their presentation details and short bios are included below:

NSEF Forum Award Presentation: Nanoscale Organic Hybrid Materials

Monday, November 17, 2014: 9:20 AM
International 6 (Marriott Marquis Atlanta)

Lynden Archer is the William C. Hoey Director and Professor of Chemical and Biomolecular Engineering and co-Director of the KAUST-Cornell Center for Energy and Sustainability. His research focuses on transport properties of polymers and polymer/particle hybrids and their applications for electrochemical energy storage. Professor Archer is a fellow of the American Physical Society and the recipient of the 2013 National Science Foundation, Division of Materials Research, Award for Special Creativity. Archer received his Ph.D. in chemical engineering from Stanford University in 1993 and the bachelor of science degree in chemical engineering (polymer science) from the University of Southern California in 1989. He has been recognized with various awards, including the National Science Foundation Award for Special Creativity, the James & Mary Tien Excellence in Teaching Award, and the American Institute of Chemical Engineer's MAC Centennial Engineer and the 2014 Nanoscale Science and Engineering Forum award. Read more at: <https://archergroup.cbe.cornell.edu/>



Lynden A. Archer

NSEF Young Investigator Award Presentation: Engineered Hydrogels for Regenerative Medicine Applications

Monday, November 17, 2014: 8:30 AM
International 6 (Marriott Marquis Atlanta)

Ali Khademhosseini is Professor of Medicine at Harvard Medical School and Director of the Biomaterials Innovation Research Center at Brigham and Women's Hospital. He is also a faculty at the Harvard-MIT Division of Health Sciences and Technology as well as an Associate Faculty at the Wyss Institute for Biologically Inspired Engineering and a Junior PI at Japan's World Premier International-Advanced Institute for Materials Research at Tohoku University where he directs a satellite laboratory. He is recognized as a leader in combining micro- and nano-engineering approaches with advanced biomaterials for regenerative medicine applications. In particular, his laboratory has pioneered numerous microfabrication technologies for controlling the architecture and function of engineered vascularized tissues. He has authored over 350 journal papers (H-index = 65, >15500 citations) and 50 books/chapters. In addition, he has delivered 250+ invited/keynote lectures. Dr. Khademhosseini's interdisciplinary research has been recognized by over 30 major national and international awards. He is a recipient of the Presidential Early Career Award for Scientists and Engineers, the highest honor given by the US government for early career investigators. He is also a fellow of the American Institute of Medical and Biological Engineering (AIMBE) and the American Association for the Advancement of Science (AAAS). Currently he serves on the editorial board of numerous leading journals as well as an Associate Editor for ACS Nano (IF: 12) and a permanent member of NIH BTSS study section. He received his Ph.D. in bioengineering from MIT (2005), and MSc (2001) and BSc (1999) degrees from University of Toronto both in chemical engineering. Read more at: <http://www.tissueeng.net/>



Ali Khademhosseini