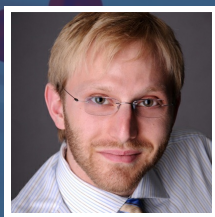


Medical Care with Microtechnology



Dino Di Carlo
Professor, Bioengineering

CURRENT RESEARCH

New diagnostics and therapeutics with precision and affordable cost

Advances in microtechnology and information technology are leading to new innovations in understanding biology and improving health, enhancing the precision with which we diagnose diseases so that we can prepare personalized medicine catered to a patient's specific needs in a cost-efficient manner. Dr. Dino Di Carlo, Professor of Bioengineering at University of California, Los Angeles, is engineering new systems, diagnostic devices, and therapies that will directly improve patient well-being. By exploiting the quirky physics at the micro - & nanoscale, he is able to simultaneously reduce costs and enable new modes to diagnose and treat disease.

With a diverse research laboratory of 21 postgraduate researchers and seven undergraduate student researchers, Dr. Di Carlo conducts highly interdisciplinary research and engages in active collaborations with researchers all across the US - at UCLA, Princeton, Stanford, MIT, Harvard, University of Washington, Tulane, Iowa State, and University of New Mexico, and internationally in Japan, Korea, China, Australia, Germany, and Italy. During each summer, Dr. Di Carlo also hosts four high school interns, exposing these students from underrepresented groups to cutting-edge research questions, instruments, and techniques. Moreover, Dr. Di Carlo firmly believes in bringing research from the lab to where it can directly benefit human health, and has co-founded three companies to commercialize research that will help diagnose disease at the cellular level, give the most effective cancer drugs sooner, and heal wounds rapidly.

Current projects include:

- New Drugs for Asthma: The Di Carlo Laboratory is developing a novel rapid and cost-effective...

AFFILIATION



University of California, Los Angeles

EDUCATION

- Ph.D. in 2006, University of California, Berkeley and San Francisco
- B.S. in 2002, University of California, Berkeley

AWARDS

- Analytical Chemistry Young Innovator Award, 2014
- Office of Naval Research Young Investigator Award, 2012
- Packard Fellowship for Science and Engineering, 2011
- Defense Advanced Research Projects Agency Young Faculty Award, 2011
- National Institutes of Health New Innovator Award, 2010

RESEARCH AREAS

Life Science, Diagnostics, Oncology / Cancer, Regenerative Medicine

FUNDING REQUEST

Your contributions will support Dr. Dino Di Carlo at the University of California, Los Angeles as he develops simple, innovative and cost efficient technologies to understand biology and address medical problems. Donations will help fund personnel, materials and supplies for a range of interdisciplinary projects within the Di Carlo lab. Partner with Dr. Di Carlo to bring revolutionary therapeutics and diagnostics out of his lab into the clinics for improved healthcare.

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