

## UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA NANOSYSTEMS INSTITUTE

Los Angeles, California, USA

RAFAEL VIÑOLY ARCHITECTS



April 2016

The site that the University of California, Los Angeles (UCLA) selected for its California NanoSystems Institute is a narrow, steep lot adjacent to a parking garage on its dense South Campus that involved a number of physical challenges. Likewise, nanotechnology, a multidisciplinary field addressing the control of matter on a molecular level, presented a unique set of programmatic hurdles, including highly specific laboratory requirements. Rafael Viñoly Architects addressed both issues, while keeping the client's goal of interdisciplinary collaboration in mind.

According to the original brief, the adjacent parking garage was an obstacle that dictated a multistory tower with small floor plates on one side of it. Instead, Rafael Viñoly Architects saw the garage as the starting point for the design and proposed a horizontal configuration suspended over it to foster student and researcher collaboration and to open up new possibilities for the rest of the campus plan.

### FACTS + FIGURES

**Completion**  
2007

**Size**  
17,560 gsm

**Awards**  
Honor Award, Westside  
Urban Forum, 2008

**Media Coverage**  
*Architecture & Culture*,  
"The Architecture of  
Science," May 2008  
*R&D Magazine*, "Site Makes  
Right: Choosing a Sustainable  
Location," December 2008  
*Structure*, "UCLA California  
NanoSystems Institute,"  
June 2005

**Client**  
University of California,  
Los Angeles

**Consultants**  
*MEP/FP Engineer*  
Stantec

*Structural Engineer*  
Nabih Youssef & Associates

*Civil Engineer*  
RBA Group

*Landscape Architect*  
Nabih Youssef & Associates

*Acoustic/AV/Vibration/  
Security Consultant*  
Shen Milsom & Wilke, Inc.

*Laboratory Planning &  
Specifications Consultant*  
GPR Planners Collaborative, Inc.

*CFD Analysis Consultant*  
Fluid Dynamics Solutions, Inc.

*EMF Shielding Consultant*  
EMF Shielding, Inc.

*Lighting Designer*  
Horton Lees Brogden  
Lighting Design, Inc.

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