

# technology corridor for nyc

summer workshop:

urban planning/design/architecture/real estate

patrice derrington

# Kendall Square



# Neighborhood of Innovation

The Robot Garden, displayed at CSAIL, included plastic, illuminating flowers “planted” on a large board that can be controlled via computer.

Photo: Brielle Domings/MIT Alumni Association



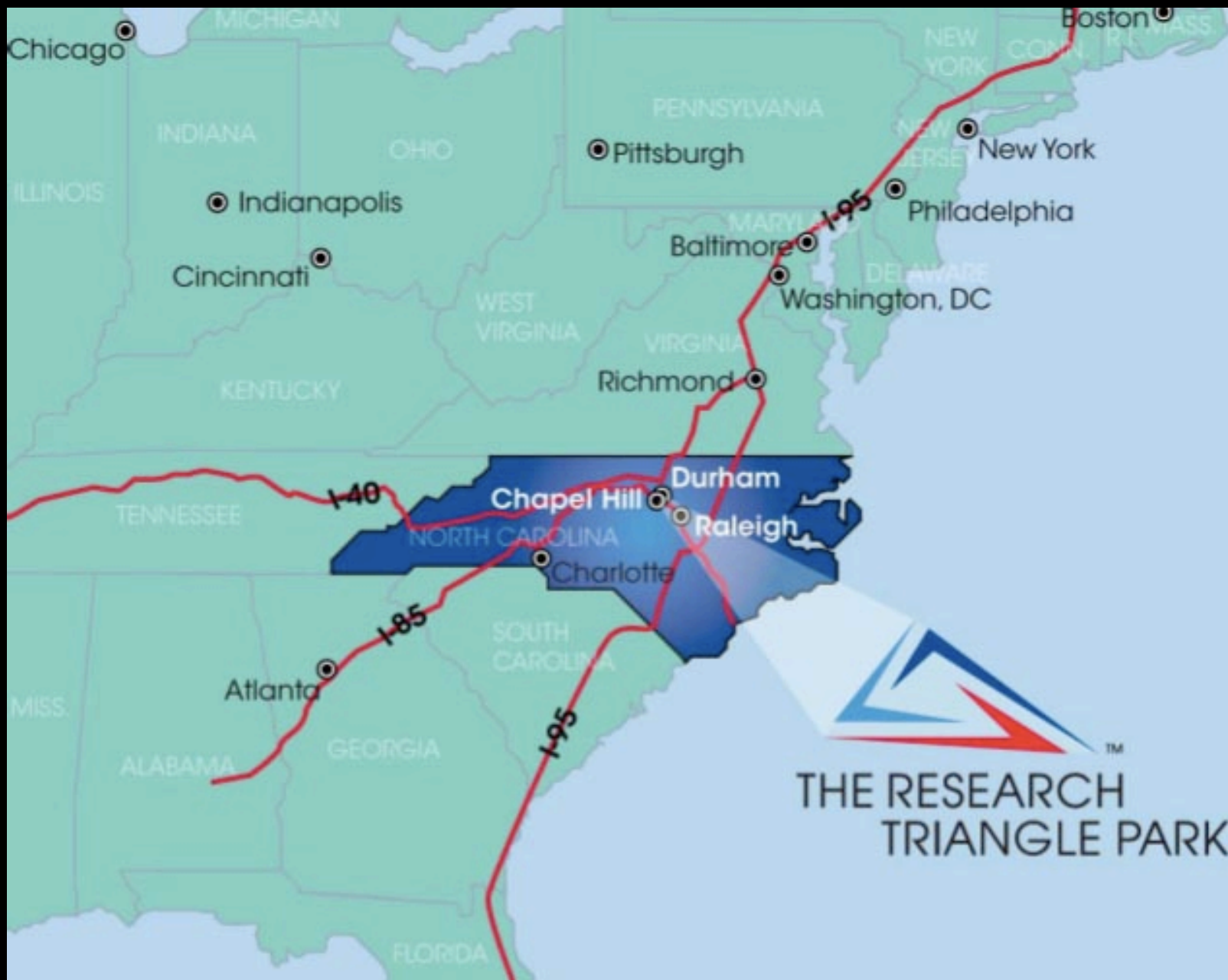
Form: same old, same old






# Tech Triangle NC





  
THE RESEARCH  
TRIANGLE PARK

# RESEARCH TRIANGLE PARK

## North Carolina

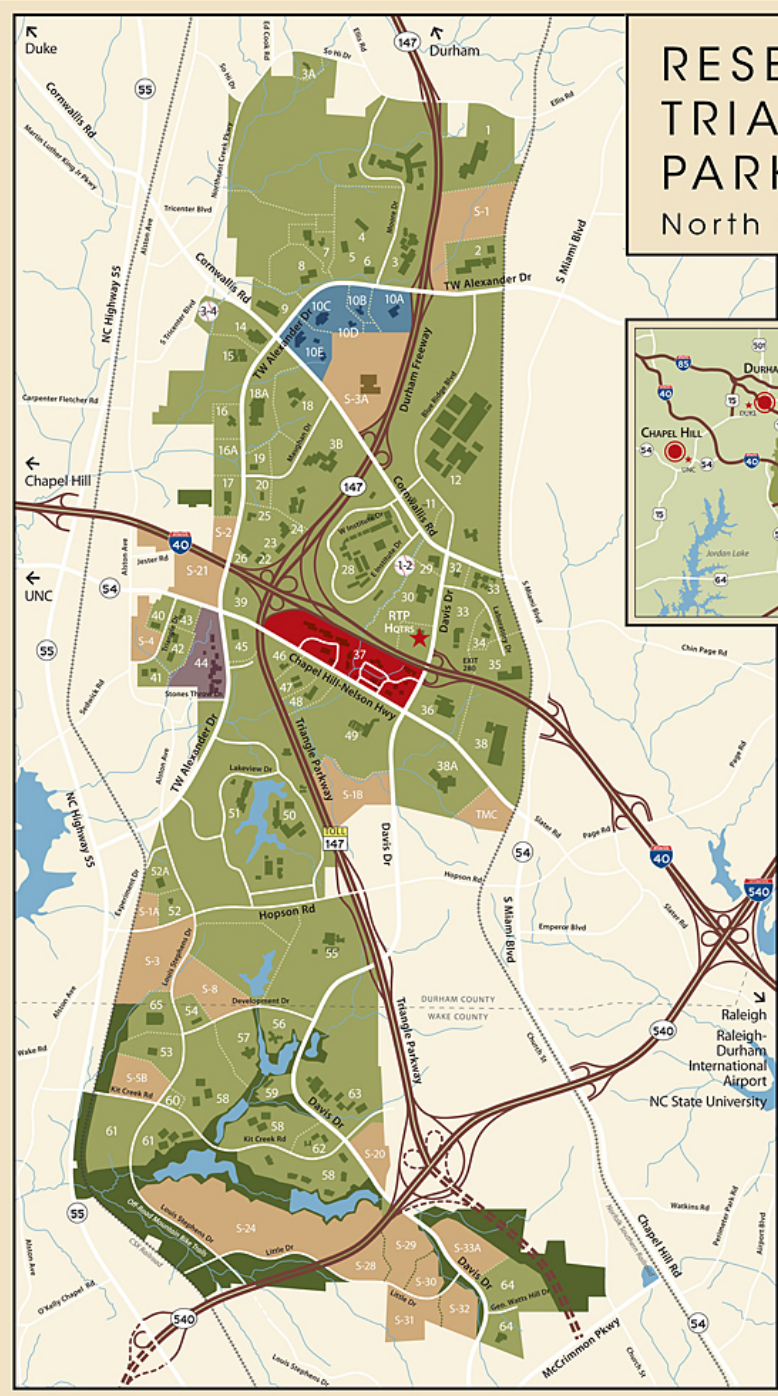


MAY 2012



### LEGEND

- ★ RTP Headquarters
- Available For Sale
- Park Center (Commercial, Office, Hotel)
- Park Research Center (Lab/Office)
- TUCASI Campus
- Research Triangle Park
- Natural Area Preserve
- Recreation Area







# COMPANY LISTINGS BY INDUSTRY

## Agricultural Biotechnology

2 Bayer CropScience  
37 Chemnova, Inc.  
44 Invision Corporation  
44 Monsanto Corporation  
33 Syngenta Biotechnology, Inc.

## Biotechnology/Life Sciences

16 Adheron Technologies, Inc.  
42 Aerie Pharmaceuticals, Inc.  
44 Alexo Laboratories  
42 Alton Science and Technology Corporation  
43 Alphaviv, Inc.  
43 Altogen, Inc.  
29 Ameresco  
44 Ansoq, Inc.  
30 b2bio, Inc.  
49 BASF Corporation  
36 BD Technologies  
44 Biotech Research Institute  
43 Biogen IDEC  
44 BioMedica USA, LLC  
30 Biomedics, Inc.  
44 bioMérieux

## We're here to help.

RTPI Headquarters  
3200 Sikes  
Research Triangle Park, NC 27709  
919.541.0000  
General email: parkinfo@rtpi.org  
Website: www.rtp.org

For information about parking facilities  
in RTP or nearby areas, please call  
or email  
info@leisure@parkinfo.org

## LEGEND

- ★ RTPI Headquarters
- Available For Sale
- Park Center  
Commercial Office, Hotel
- Park Research Center  
Laboratory
- TRC Campus
- Research Triangle Park
- National Area Preserve
- Recreation Area
- Highway
- Primary Roadways
- Secondary Roadways
- River & Lake
- Utilities

44 Biopigen  
29 Bioshape Solutions  
47 Centers for Disease Control and Prevention  
29 Ceribix Corporation  
30 Chaperone Therapeutics, Inc.  
44 ChemoGenics BioPharma  
44 Civaltech Oncology  
43 Copernicus Group, Inc.  
44 Dharma Laboratories, LLC  
29 Drug Safety Navigator LLC  
56 Ecol, Inc.  
29 Endocore, Inc.  
29 Envision, Inc.  
29 Envision Pharmaceuticals  
44 Eon Bioscience  
29 Excel Clinical Research Group  
29 Freshand Endoscopic  
64 Fujfilm Dainippon  
Biotechnologies  
62 Galaxy Diagnostics, Inc.  
62 GENENTEC  
3 GlaxoSmithKline  
62 Global Vaccines, Inc.  
22 Grifols, Inc.  
28 Howard Associates, LLC  
42 Humacyte  
24 ICON Clinical PLC  
25 Impact Pharmaceutical  
Services, Inc.  
29 Incanvite  
29 Innovatix, LLC  
44 InVivo, Inc.  
29 Iron Science Ltd.  
44 Marlin Protein, LLC  
42 Medicago  
44 Medix BioScience, LLC  
47 MedImmune, Inc.  
61 National Technology Program  
47 NC Healthcare Information  
and Communications  
Alliance, Inc.  
25 Nephrogenex, Inc.  
29 Novolog, Inc.  
29 Palmetto Biomedical  
62 Pamlico Pharmaceuticals, Inc.  
29 Pharmasoft Solutions, Inc.  
29 Ridge Diagnostics  
29 R2 Chemicals  
29 Soliton Innovation, Inc.  
42 SYNTHES, Inc.  
42 Syngene, Inc.  
29 Siga Advanced Biopharma, Inc.  
44 Southco, Inc.  
29 Stratigen Consulting, LLC  
9 Stebel, a GSK Company  
44 Symmetry Biosciences

54 Synthron Pharmaceuticals, Inc.  
29 Triange Biology LLC  
30 Triange Research Laboratories, LLC  
184 United Therapeutics Corporation  
11 USDA Forest Service Southern Research Station  
44 Vijaya Pharmaceuticals LLC  
29 Virasource  
29 ViroGene Diagnostics, Inc.  
29 Zenius Biomedical  
47 Zenvia, Inc.  
29 Zundel, Inc.

## Business and Professional Services

29 21st Century Creations  
27 Accounting Services of the Triangle  
29 The Center for Good Excellence  
16 Cose/View, Inc.  
29 Fast Right Venture Center  
General Services  
Administration Defense Logistics  
29 Integrated Training Solutions, Inc.  
29 Live Gamer  
34 Motor & Equipment Manufacturers Association  
104 National Humanities Center  
29 New Millennium Resources  
37 North Carolina State University MARS  
37 Passport Health Triangle  
34 Pharmaceutical Strategic Initiatives  
25 Pharm-Chain International  
29 Sprint Financial  
4 The University of North Carolina Center for Public Television  
29 Wyck Robins notes & Pardon LLP

## Clean and Green Technologies

29 Techvite, Inc.  
47 Third Tech, Inc.  
50 United States Environmental Protection Agency

## Financial and Insurance Activities

37 AXA Advisors  
53 Credit Suisse  
354 Realty Investments  
25 Relion Benefits, Inc.

## Information Technology

11 3COM Corporation  
44 Allen, Inc.  
38 Anyco  
37 Ciena Corporation  
58 Cisco Systems, Inc.  
23 CSC Systems  
59 Delta Products Corporation  
29 DHR 2.0  
23 Electronic Consulting Services  
15 EMC Corporation  
38 Ericsson  
48 Extreme Networks  
29 Family Health Network  
7 Hewlett-Packard  
38 GENBAND  
47 Gilbarco Weeder-Loft  
12 IBM Corporation  
1 IBM  
29 Implicore  
29 Learning Machines, Inc.  
103 MCNC  
44 Microelectronics Assembly Technology  
29 myDrugCo, Inc.  
50 National Computing Center  
41 NetApp  
29 Network Development Group  
38 Netel Networks  
29 OS2Cube  
29 Science, LLC  
29 The Seven Soft Company  
17 Sunstone Digital Lightwave Corporation  
12 Toshiba Global Commerce Solutions  
25 Truform, Inc.  
16 UN Technology, Inc.

## Material Sciences and Engineering

16 Case, Inc.  
8 Duffort Electronics and Communications  
29 Electrochemical Systems, Inc.  
52 JAC (USA), Inc.  
41 Linde  
103 MEMCAP  
34 Mulford Two Instruments  
1 Reliance, Inc.  
7 Suzor  
4 Triangle Polymer Technologies  
14 Tracer Electronic Laboratories, Inc.  
35 Underwritten Laboratories, Inc.  
7 Vacon, Inc.

42 Kinley Systems, Inc.  
42 Kinetix, Inc.

## Scientific Associations, Foundations, and Institutes

32 American Association of Textile Chemists and Colorists  
37 AVS Publications Office  
100 Burroughs Wellcome Fund  
30 The Hamner Institutes for Health Sciences  
44 International Services Assistance Fund  
20 International Society of Automation  
44 International Union of Pure & Applied Chemistry  
44 National Inclusion Project  
61 NIBS  
100 National Institute of Statistical Sciences  
108 NC Biotechnology Center  
3 NC GSK Foundation  
5 NC State Education Assistance Authority  
27 National Foundation of NC  
26 NIH International  
44 Sigma Xi, The Scientific Research Society  
100 Statistical & Applied Mathematical Sciences Institute

## Service Providers

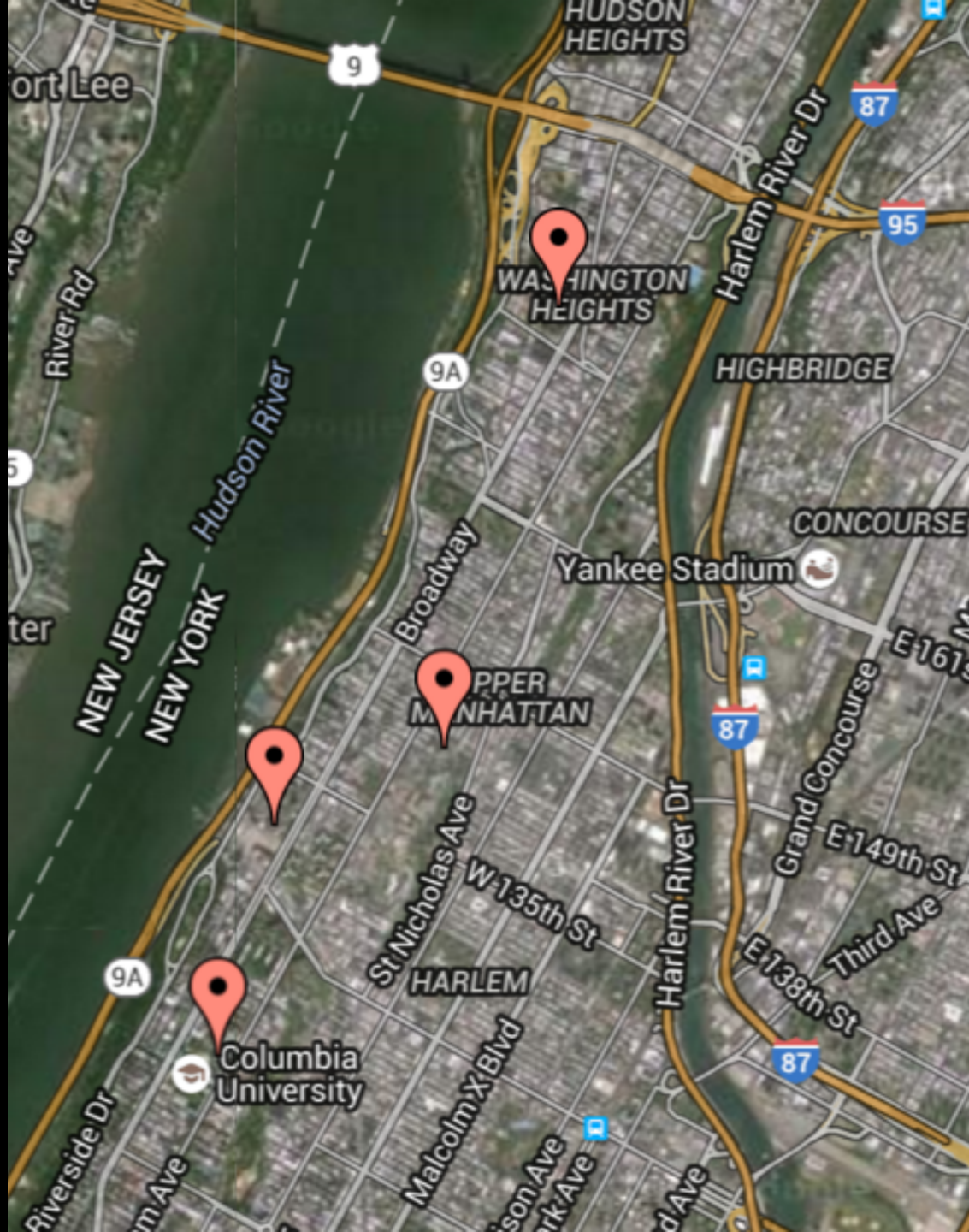
37 Bank of America  
34 Bright Horizons of RTP  
4 Bright Horizons of The Environment Center  
37 Craig Davis Properties, Inc.  
37 First Citizens Bank  
60 First Environment Early Learning Center  
44 Genesis Enrichment Center for Children  
44 Practical Management, Inc.  
37 Radisson Hotel RTP  
37 Research Triangle High School  
37 RTP Federal Credit Union  
19 United States Postal Service  
37 Wells Fargo



urban?

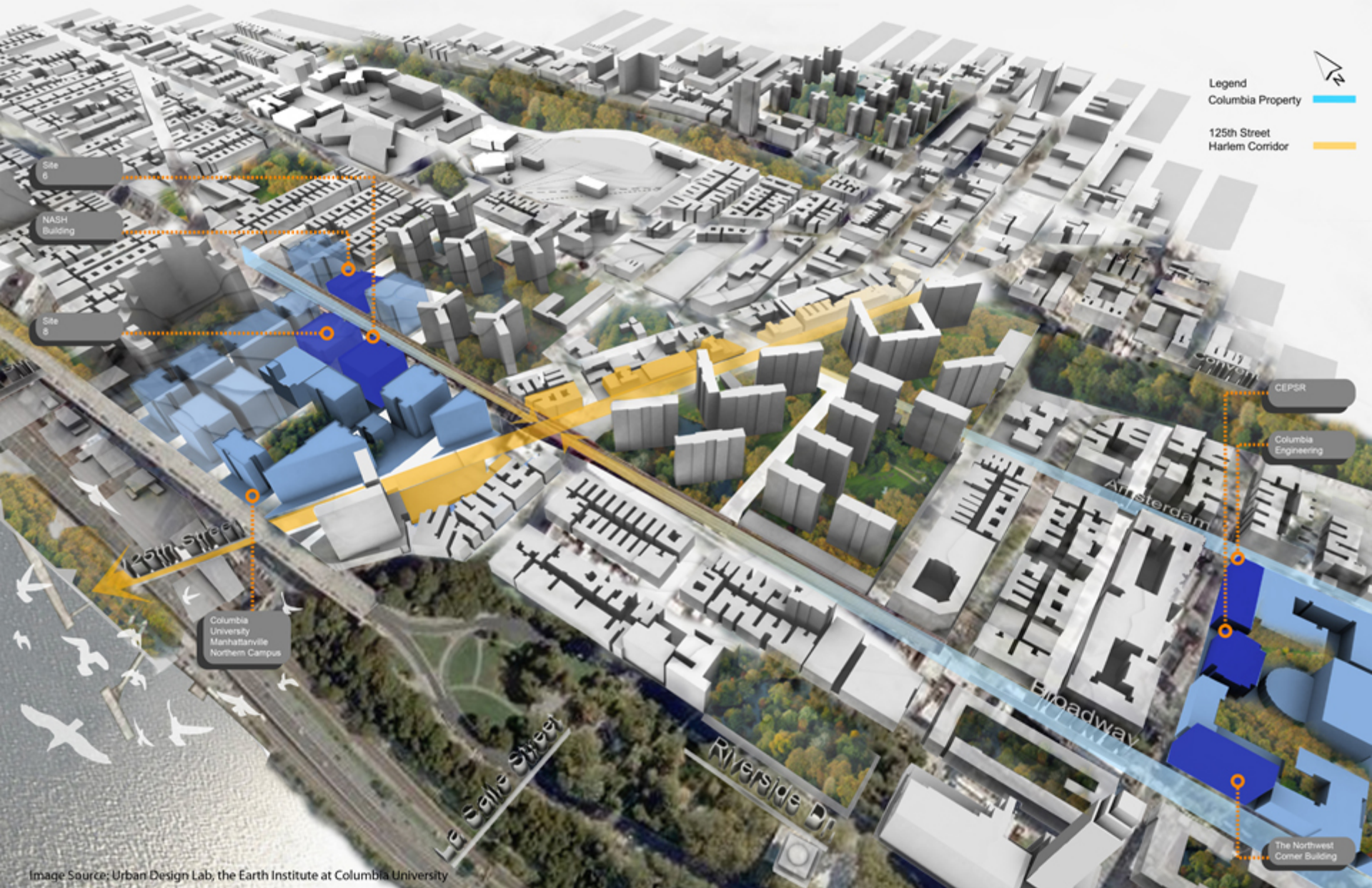










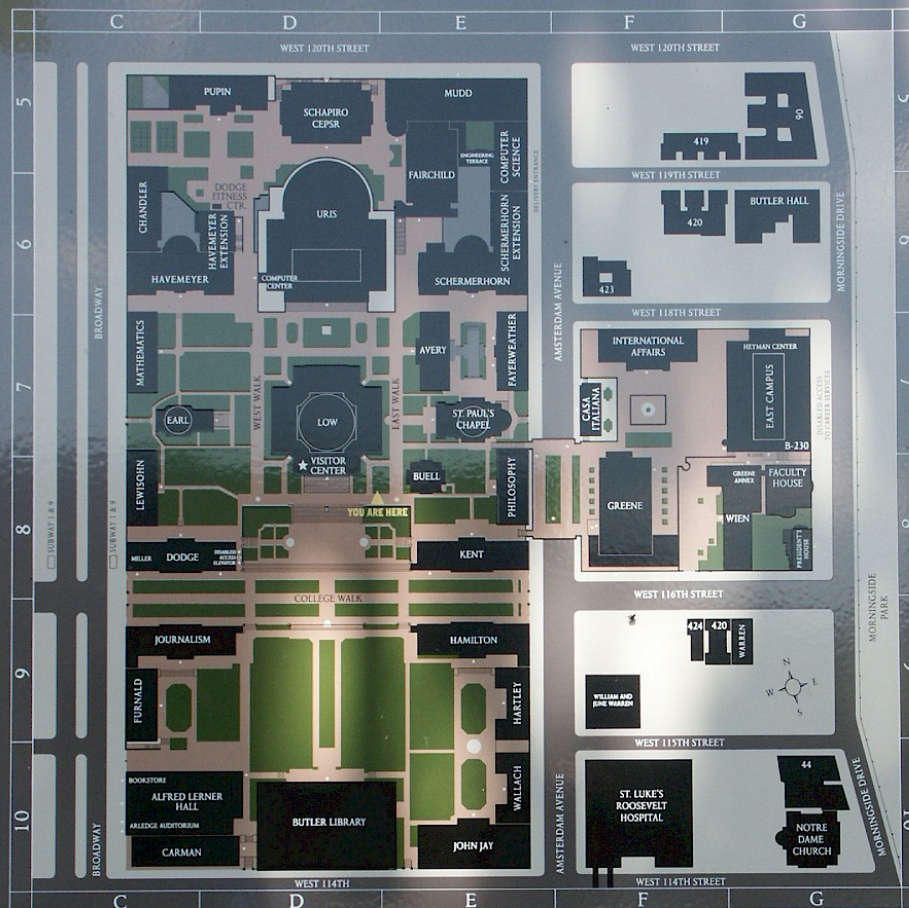


Legend  
Columbia Property  
125th Street  
Harlem Corridor





# COLUMBIA UNIVERSITY • CENTRAL CAMPUS



## Welcome to Columbia.

This directory will help you find your destination on the Morningside Heights campus. The medical, dental, nursing and public health schools are on the Morningside Heights campus at West 168th Street in Washington Heights.

A printed map and guide is available at the parent house at 114th Street and Broadway and at the Visitor Center in West Room 213 (D7 on map).

Columbia University Telephone: (212) 854-1754.

## ADMISSIONS

D7 Campus Tours, Visitor Center, 213 Low  
D7 Columbia College, Visitor Center, 213 Low  
D7 Engineering, Visitor Center, 213 Low  
D7 General Studies (Part-time, Adult, Pre-med)  
D7 Law, 68 Jue

## GRADUATE

E7 Architecture, Planning & Preservation  
E7 Arts & Sciences, 107 Low  
E7 Business, 216 Ute  
E7 Foundation School of Engineering & Applied Science, 124 Mid  
E7 International & Public Affairs, 400 International Affairs  
E7 Journalism, 706 Journalism

## OTHER

C8 American Language Program  
C8 Divisions of Special Programs (Non-degree, Continuing Ed and Summer Session), 331 Lewis

## BUILDING DIRECTORY

C10 Alfred Lerner  
E7 Avery (Architecture)  
E8 Buell  
C6 Butler Hall  
D10 Butler Library  
F7 Case Indiana  
C6 Chandler  
E7 Chapel (St. Paul's)  
C6 Computer Center  
C6 Computer Science  
C6 Dodge School of the Arts  
D6 Dodge Physical Fitness Center  
C6 East Campus  
E8 Engineering Terrace  
C6 Faculty House  
E8 Fairchild  
F7 Fayerweather  
C6 Farrell  
E8 Greene (Law)  
C6 Greiner Annex  
D6 Gymnasium (Dodge Fitness Center)  
E9 Hamilton (Columbia College)  
E10 Hartley  
C6 Havemeyer  
C7 Heyman Center  
F7 International Affairs  
E10 John Jay  
C8 Journalism  
E8 Katz  
C6 Lewinsky (General Studies)  
D7 Law (Graduate School of Arts & Sciences)  
C7 Mathematics  
E8 Mudd (Engineering)  
F8 Philosophy  
C6 President's House  
C6 Pupin  
E7 St. Paul's Chapel  
D6 Schapiro Research Center (CEPSR)  
E8 Schermerhorn  
D6 Uris (Business)  
E10 Wallach  
C6 Wien  
F10 William & Jane Warren  
C9 William C. Warren

## LOCATIONS

F7 Attached Auditorium  
F7 International Office (420 W 118 St.)  
D6 Athletics, Dodge Fitness Center  
D10 Athletic Ticket Office, 419 Fines Center  
C10 Bookstore, Alfred Lerner  
F7 Career Services, East Campus B-Low  
D7 Columbian Collection, 718 Low  
D7 Davis Auditorium  
D7 Deane Research Center  
C9 Deutscher House, 420 W 118 St.  
C8 Disabled Access Elevator  
College Walk at Dodge  
F7 Disability Services, 802 Alfred Lerner  
C7 Facilities Management, 820 W East Campus  
C6 Faculty House  
Campus Opposite East Campus B-Low  
D6 Gymnasium, Dodge Fitness Center  
C6 Guest Accommodations, 111 Wallach  
F7 Hammarhold Lounge  
C7 International Office (420 W 118 St.)  
D7 Kellom Conference Center  
C10 Rare Book & Manuscript Library  
D7 University Archives & Columbia  
D7 Wallach Library, 60 Jue  
D6 Levin Gymnasium, Dodge Fitness Center  
D7 Low Raimunda and Gallery, Low  
E8 Minton Practice, 204 Paul  
C8 Miller Theatre, 114 and Broadway  
D7 Public Information (the midbox, 84 Low)  
C6 Science Adjunct Auditorium & Cinema  
Alfred Lerner  
E8 Ross Architecture Gallery, Buell  
E7 St. Paul's Chapel  
near 117 S. and Amsterdam  
D7 Security Campus Policy, 111 Low  
E8 Student Services  
Kellom/Philosophy College High Entrance  
D7 Student Center (Information Services)  
Undergraduate Administration, 213 Low  
E8 Wallach Art Gallery, 807 Schermerhorn  
F8 Shapiro C23  
D6 Business, 101 Ute  
D6 Business, 101 Ute  
D6 Chemical Engineering, 812 Mid  
E6 Chemistry, 344 Havemeyer

## LIBRARIES

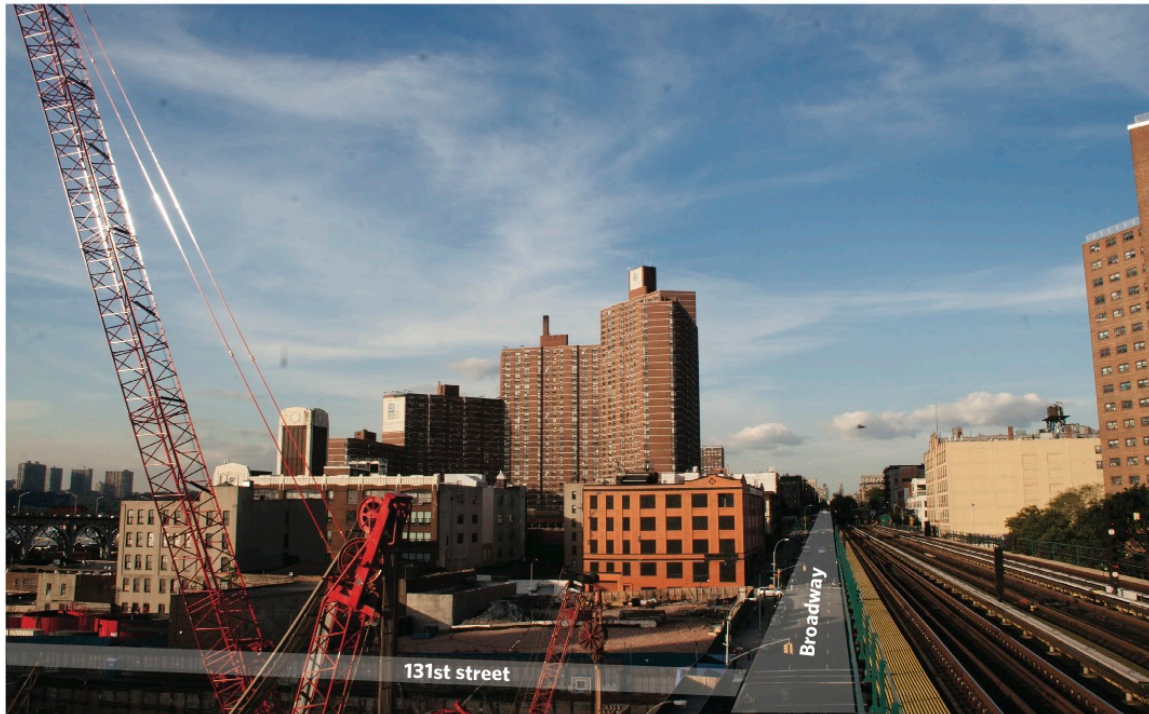
E7 Avery Architectural & Fine Arts Library  
400 Jue  
E6 Biological Sciences Library, 401 Fairchild  
D10 Butler Library (Main Library)  
C6 Chemistry Library, 414 Chandler  
E5 Engineering Library, 422 Mid  
E6 Geology Library, 401 Schermerhorn  
C6 Journalism Library, 203 Journalism  
F8 Law Library, 420 W 118 St.  
F7 Levine Library  
D10 Library Information and Privileges  
201 Butler Library  
C7 Mathematics & Science Library  
E8 Music & Arts Library, 701 Dodge  
C6 Physics & Astronomy Library  
110 Jue  
E6 Psychology Library, 409 Schermerhorn  
D10 Rare Book & Manuscript Library  
Butler Library, 60 Jue  
E8 Rare East Asian Library, 300 Kent  
D8 University Archives & Columbia  
210 Low  
D6 Watson Business Library, Ute

## DEPARTMENTS

(Morningside Campus)  
E6 African American Studies  
E6 Anthropology, 412 Schermerhorn  
E6 Applied Physics & Applied Mathematics  
204 Mid  
E7 Architecture, 400 Avery  
E6 Art History & Archaeology  
C8 Arts, 301 Dodge  
C8 Astronomy, 1224 Jue  
E6 Biological Sciences, 401 Fairchild  
D7 Biomedical Engineering  
F8 Shapiro C23  
D6 Business, 101 Ute  
D6 Chemical Engineering, 812 Mid  
E6 Chemistry, 344 Havemeyer

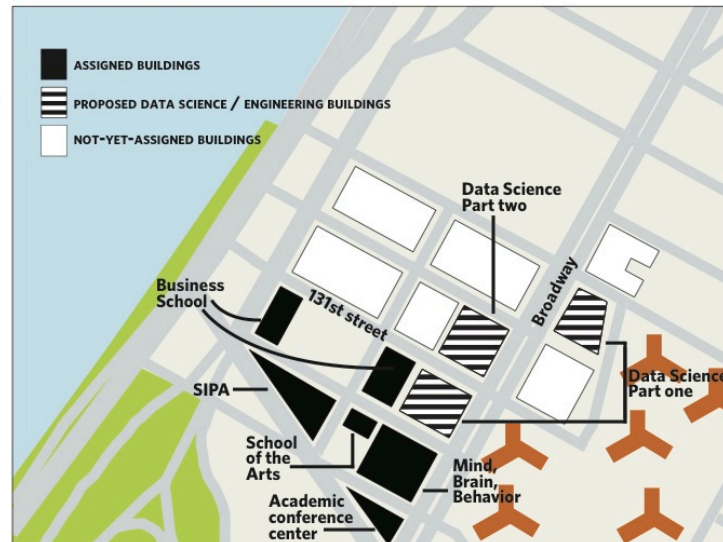
E5 Civil Engineering & Engineering  
Mechanics, 112 Mid  
E9 Classics, 417 Hamilton  
E5 Computer Science, 400 Computer Science  
E5 Earth & Environmental Engineering  
(Heavy Metals School of Mines)  
118 Mid  
F6 Earth & Environmental Sciences  
& Geology, 401 Jue  
E8 East Asian Languages  
& Culture, 401 Jue  
F7 Economics, 802 International Affairs  
420 W 118 St.  
E5 Electrical Engineering, 112 Mid  
E5 Engineering, 118 Mid  
E8 English & Comparative Literature  
121 Philosophy  
F8 French & Romance Philology  
121 Philosophy  
E6 Geological Sciences  
100 Schermerhorn  
E6 Germanic Languages, 119 Hamilton  
F7 History, 411 Fayerweather  
E6 Industrial Engineering & Operations  
Research, 111 Mid  
F8 International & Public Affairs  
111 International Affairs (420 W 118 St.)  
F9 Italian, 102 Hamilton  
C9 Journalism, 706 Jue  
F8 Law, 801 Jue (413 W 116 St.)  
F7 Mathematics, 109 Mathematics  
C7 Mechanical Engineering, 220 Mid  
E8 Middle East & Asian Languages  
& Culture, 802 Kent  
C6 Music, 421 Dodge Hall  
F8 Philosophy, 708 Philosophy  
D6 Physical Education, Dodge Fitness Center  
C5 Physics, 706 Jue  
F7 Political Science  
722 International Affairs (420 W 118 St.)  
E6 Psychology, 406 Schermerhorn  
E8 Religion, 417 Kent  
E9 Slavic Languages, 708 Hamilton  
F7 Sociology, 411 Fayerweather  
F7 Statistics, 418 Mathematics  
E6 Women's Studies, 743 Schermerhorn Extension

## MANHATTANVILLE: WHAT WE KNOW SO FAR



FILE PHOTO

Columbia's entry into a city-wide competition for funding to build a new applied sciences campus will include plans to turn three buildings in Manhattanville into centers for data science—first, in the space north of the Mind, Brain, and Behavior Institute and in the Nash building, east of Broadway between 132nd and 133rd streets, and then in a building between 131st and 132nd streets. Those buildings would bring SEAS faculty together with professors from many other schools, including the Journalism School and the Mailman School of Public Health.



# Nanotech Center





sites...



# technology corridor in nyc

- connections
- forms
- planning policy
- evolution