

SUCCESS STORIES AT A GLANCE

THE SCIENCE COALITION
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SPARKING ECONOMIC GROWTH

COMPANY	LOCATION	FOUNDED	RESEARCH UNIVERSITY	EMPLOYEES	INNOVATION	FUNDING AGENCY	STATUS	
A	A123 Systems	Watertown, MA	2001	Massachusetts Institute of Technology	1,740	New generation rechargeable batteries	DOE	Public
	Acoustic Magic, Inc.	Sudbury, MA	2000	Brown University	6	“Beam-forming” microphone technology	NSF	Private
	Active Surface Technologies, Inc.	Worcester, MA	2005	Worcester Polytechnic Institute	2	Handheld device detects early signs of renal failure	DOD	Private
	Adenosine Therapeutics, LLC (Clinical Data)	Charlottesville, VA (Newton, MA)	1999	University of Virginia	161	Adenosine-based therapies for heart disease, arthritis, cancer, atherosclerosis	NIH, USDA	Acquired
	Advanced Body Sensing, LLC	Worcester, MA	2007	Worcester Polytechnic Institute	2	Wireless physiological sensors worn in combat missions and high-risk settings	DOD	Private
	Advaxis, Inc.	North Brunswick, NJ	2002	University of Pennsylvania	9	Genetically modified infectious microorganism to treat cancer	NIH	Public
	Agensys, Inc. (Astellas Pharma US)	Santa Monica, CA (Deerfield, IL)	1996	University of California, Los Angeles	(1,900)	Antibody R&D to develop targeted cancer therapies	NIH	Acquired
	Aguru Images	Los Angeles, CA	2006	New York University; University of Southern California	N/A	Technology makes computer-generated 3-D images look realistic	DOD	Private
	ALEKS Corporation	Tustin, CA	1996	University of California, Irvine	75	Artificially intelligent educational software	NSF	Private
	Allylix, Inc.	San Diego, CA	2002	University of Kentucky	N/A	Commercially produced terpenes for uses from food to fuels	NSF	Private
	Amati Communications Corporation (Texas Instruments)	San Jose, CA (Dallas, TX)	1992	Stanford University	(26,300)	Enabled rapid transmission of large amounts of data over phone lines	NSF	Acquired
	Arbor Networks	Chelmsford, MA	2000	University of Michigan	125	Network security technologies	DOD, NSF	Private
	ArmaGen Technologies, Inc.	Santa Monica, CA	2004	University of California, Los Angeles	6	“Molecular Trojan horse” technology delivers drugs to the brain	DOD, NIH	Private
	Audyssey Laboratories	Los Angeles, CA	2002	University of Southern California	75	Technology fixes impact of room acoustics on sound reproduction	NSF	Private
B	Aursos, Inc.	Kalamazoo, MI	2007	Michigan Technological University	6	Using therapeutic compounds found in black bears to treat and prevent osteoporosis	NIH	Private
	Avid Radiopharmaceuticals, Inc.	Philadelphia, PA	2005	University of Pennsylvania	16	Brain imaging agents allow early detection of neurodegenerative diseases	NIH	Private
	AzERx, Inc. (Capstone Therapeutics)	Tempe, AZ (Tempe, AZ)	2004	Arizona State University	(22)	A 24-amino acid peptide for treating pulmonary disease	NIH	Acquired
	Banyan Biomarkers, Inc.	Alachua, FL	2002	University of Florida	26	Diagnostic test for traumatic brain injury	DOD	Private
	Big Stage Entertainment	Sherman Oaks, CA	2005	University of Southern California	22	3-D capture technology creates instant self-avatars	DOD	Private
	BioMarck Pharmaceuticals, Ltd.	Durham, NC	2002	North Carolina State University	N/A	Drugs for pulmonary diseases and disorders	EPA, NIH	Private
C	BioNanomatrix, Inc.	Philadelphia, PA	2003	Princeton University	4	Affordable, fast, easy DNA sequencing	NIH	Private
	BioResource International, Inc.	Morrisville, NC	1999	North Carolina State University	N/A	Enzymes to enhance and protect animal and human health	USDA	Private
	Buffalo BioBlower Technologies, LLC	Buffalo, NY	2005	University at Buffalo	8	Air sterilization technology for healthcare, homeland security, battlefields	DOD	Private
	Cadence Design Systems	San Jose, CA	1983	University of California, Berkeley	4,900	Electronic design automation software, hardware, services	DOD	Public
	Cerulean Pharma, Inc.	Cambridge, MA	2006	Massachusetts Institute of Technology	N/A	Nanocell technology for delivering multiple drugs with varied release times	NIH	Private
	Chromatin, Inc.	Chicago, IL	2001	University of Chicago	30	Mini-chromosome technologies for seed products and bioenergy feed stocks	NSF	Private
	Cisco Systems, Inc.	San Jose, CA	1984	Stanford University	66,129	Computer networking technologies	DOD	Public
	Cognex Corporation	Natick, MA	1981	Massachusetts Institute of Technology	729	Industrial machine vision technology	NSF	Public
D	CREE, Inc.	Durham, NC	1987	North Carolina State University	3,168	Semiconductor technology increases efficiency of LED, power and communications products	DOD	Public
	CS-Keys, Inc.	Indianapolis, IN	2006	Indiana University	5	In-office cancer-specific blood and tissue tests	NIH	Private
	Directed Vapor Technologies International, Inc.	Charlottesville, VA	2000	University of Virginia	15	Directed vapor technology for applying industrial coatings	DOD, DOE, NSF	Private
E	Eden Park Illumination, Inc.	Somerset, NJ	2007	University of Illinois at Urbana-Champaign	9	An earth-friendly, mercury-free, long-life light source	DOD, NSF	Private
F	FAST Diagnostics, Inc.	Indianapolis, IN	2006	Indiana University	3	Diagnostic tool to quickly identify acute kidney injury	NIH	Private
	Fingerlakes Aquaculture, Inc.	Groton, NY	1996	Cornell University	11	Aquafilter for economical, large-scale production of farm-raised fish	USDA	Private
	FluGen, Inc.	Madison, WI	2007	University of Wisconsin-Madison	8	Vaccines produced within cells rather than embryonic chicken eggs	NIH	Private
G	Genentech, Inc.	South San Francisco, CA	1976	University of California, San Francisco; Stanford University	11,000	Gene therapies for asthma, rheumatoid arthritis, blood clots, and cancer	NIH, NSF	Acquired
	GeoVax Labs, Inc.	Atlanta, GA	2001	Emory University	12	Recombinant DNA and MVA AIDS vaccines	NIH	Public
	Google Inc.	Mountain View, CA	1998	Stanford University	19,835	Transformative search engine technology	NSF	Public
H	HealthMedia, Inc. (Johnson & Johnson)	Ann Arbor, MI (New Brunswick, NJ)	1998	University of Michigan	(118,700)	Health behavior programs	NIH	Acquired
I	iCardiac Technologies	Rochester, NY	2006	University of Rochester	N/A	Technology analyzes heart monitor data to assess toxicity of experimental drugs	NIH	Private
	Image Sensing Systems, Inc.	St. Paul, MN	1984	University of Minnesota	80	Software for monitoring traffic conditions	DOT	Public
	ImagiSonix	Sterling, MA	2006	Worcester Polytechnic Institute	3	Wireless ultrasound for rural, emergency, military, and disaster settings	DOD	Private
	ImmuneWorks	Indianapolis, IN	2006	Indiana University	2	Treatment to reduce lung transplant rejection	NIH	Private
	Integrated Genomics	Chicago, IL	1997	University of Chicago	13	Research in microbial genomics, biochemistry, and gene expression	NIH, NSF	Private
	iRobot Corporation	Bedford, MA	1990	Massachusetts Institute of Technology	538	Robots for military, industrial and consumer use	DOD, NASA	Public
J	J.A. Woollam Co., Inc.	Lincoln, NE	1987	University of Nebraska	40	Spectroscopic ellipsometers for thin film and bulk material characterization	DOD, NASA, NSF	Private
K	Kinex Pharmaceuticals	Buffalo, NY	2003	University at Buffalo	12	Protein kinase inhibitors that reduce the chance of patients developing drug resistance	NIH	Private
	Kionix, Inc.	Ithaca, NY	1993	Cornell University	95	Silicon micro machined inertial sensors	DOD, NSF	Private
L	Language Weaver	Marina del Rey, CA	2002	University of Southern California	50	High speed, accurate language translation based on statistical measures	DOD	Private
	Lehigh Nanotech	Bethlehem, PA	2006	Lehigh University	6	Nano technologies for environmental remediation	EPA, NSF	Private
	LI-COR Biosciences	Lincoln, NE	1971	University of Nebraska	290	Instruments for plant biology, drug discovery, biotechnology and environmental research	USDA	Private
M	Maroon Biotech	Chicago, IL	2002	University of Chicago	7	“Surfactant chaperones” restore structure and viability to cells disrupted by trauma	NIH	Private
	Mersive Technologies	Lexington, KY	2004	University of Kentucky	N/A	Software creates seamless high-resolution video displays of any size or shape	NSF	Private
	MicroMRI, Inc.	Philadelphia, PA	2003	University of Pennsylvania	9	High resolution MRI for visualizing bone micro-architecture	NIH, NSF	Private
	Molecular Imaging, Inc. (Agilent Technologies, Inc.)	Chandler, AZ (Santa Clara, CA)	1993	Arizona State University	(16,000)	Atomic Force Microscopes for nanotech research	NSF	Acquired
	Molecular Imprints, Inc.	Austin, TX	2001	University of Texas at Austin	125	“Step and Flash” nano-lithography makes smaller, faster computer chips	DOD	Private
	Momenta Pharmaceuticals, Inc.	Cambridge, MA	2001	Massachusetts Institute of Technology	175	Technology for the precise sequencing of complex sugar molecules	NIH	Public

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NASA = National Aeronautics and Space Administration

NIH = National Institutes of Health
NIST = National Institute of Standards and Technology (part of DOC)
NOAA = National Oceanic and Atmospheric Administration (part of DOC)
NSF = National Science Foundation
USDA = US Department of Agriculture

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N	NanoMas Technologies, Inc.	Binghamton, NY	2006	Binghamton University	6	Nanomaterials for printable electronics, renewable energy, high-performance chips	NSF	Private	N
	Nanopharma Technologies, Inc.	Tampa, FL	2004	University of South Florida	8	Anti-bioterrorism and anticancer agents; treatments for hospital-acquired infections	NIH, NSF	Private	
	NanoSonic, Inc.	Blacksburg, VA	1998	Virginia Tech	70	Nanomaterials that can twist, stretch, cook to 200°C and remain wrinkle and scar-free	DOD	Private	
	Natura Therapeutics, Inc.	Tampa, FL	2004	University of South Florida	6	Cell-targeted nutritional products	NIH	Private	
O	ONY, Inc.	Amherst, NY	1985	University at Buffalo	26	Lung surfactant prevents respiratory distress in premature babies	NIH	Private	O
	Orbital Sciences Corporation	Dulles, VA	1982	Harvard University	3,400	Space and launch systems	NASA	Public	
P	Pacific Biosciences	Menlo Park, CA	2004	Cornell University	10	Single Molecule Real Time (SMRT™) DNA sequencing technology	DOE, NIH, NSF	Private	P
	Pharmasset, Inc.	Princeton, NJ	1998	Emory University	68	Oral therapeutics for hepatitis C virus	NIH	Public	
	PolyMedix, Inc.	Radnor, PA	2002	University of Pennsylvania	16	Computational drug design for biomimetics to treat life-threatening disorders	NIH, NSF	Public	
	Praxis Biologics (Pfizer)	Rochester, NY (New York, NY)	1983	University of Rochester	(81,800)	Developed pediatric vaccines HibTITER and Prevnar	NIH	Acquired	
	Protea Bioscience, Inc.	Morgantown, WV	2001	West Virginia University	21	Microfluidics and cell signaling technology and services for protein research	NIH	Private	
R	RainDance Technologies, Inc.	Lexington, MA	2004	Harvard University	64	Instruments for genomic selection based on droplet-based microfluidics technology	NSF	Private	R
	Reactive NanoTechnologies, Inc.	Hunt Valley, MD	2001	Johns Hopkins University	25	Developed NanoFoil® and NanoBond® technologies for advanced joining applications	NSF	Private	
	Response Genetics, Inc.	Los Angeles, CA	1999	University of Southern California	40	Technology allows extraction of genetic information from specimens fixed or stored in parafin	NIH	Public	
S	Saneron-CCEL Therapeutics, Inc.	Tampa, FL	2001	University of South Florida	4	Cells for neurological and cardiac cell therapy	NIH	Private	S
	SAS	Cary, NC	1976	North Carolina State University	11,080	Business analytics software and services	USDA	Private	
	Seaside Therapeutics	Cambridge, MA	2005	Brown University	21	Treatments to correct or improve the course of Fragile X Syndrome and autism	NSF	Private	
	Semiprius	Durham, NC	2005	University of Illinois at Urbana-Champaign	30	Low cost, high-performance concentrator photovoltaic modules	DOD, DOE, NSF	Private	
	SenSound, LLC	Detroit, MI	2003	Wayne State University	8	Technology pinpoints exact source of noise for use in product design, development and manufacturing	NSF	Private	
	Sharklet Technologies, Inc.	Alachua, FL	2007	University of Florida	5	“Shark skin” surface technology helps prevent hospital-acquired infections	DOD	Private	
	Sinmat	Gainesville, FL	2002	University of Florida	15	New process for manufacturing microchips for smart energy systems	DOE, NIST, NSF	Private	
	Solarmer Energy, Inc.	El Monte, CA	2006	University of California, Los Angeles	26	Inexpensive, flexible, plastic organic solar cells	DOD, NSF	Private	
	Spin Transfer Technologies	Quincy, MA	2007	New York University	10	Novel magnetoresistive random access memory devices	NSF	Private	
	Sun Microsystems, Inc.	Santa Clara, CA	1982	University of California, Berkeley; Stanford University	33,556	Developed powerful computer workstations based on UNIX	DOD	Acquired	
	SunPower Corporation	San Jose, CA	1985	Stanford University	5,000	Solar technology	DOE	Public	
	Syntermed, Inc.	Atlanta, GA	1999	Emory University	5	Nuclear medicine imaging and informatics software; developed the Emory Cardiac Toolbox	NIH	Private	
T	TetraLogic Pharmaceuticals	Malvern, PA	2004	Princeton University	17	Small molecule drugs based on Inhibitor of Apoptosis Protein technology	NIH	Private	T
	TetraVitae Bioscience	Chicago, IL	2006	University of Illinois at Urbana-Champaign	10	Bio-based chemicals, plastics and fuels	DOE, USDA	Private	
	Therametric Technologies, Inc.	Indianapolis, IN	1996	Indiana University	15	Dental health products; technology for early cavity detection	NIH	Private	
	ThermoAnalytics, Inc.	Calumet, MI	1994	Michigan Technological University	30	Thermal modeling and analysis software and engineering services	DOD	Private	
	TomoTherapy Incorporated	Madison, WI	1997	University of Wisconsin-Madison	665	Advanced device delivers radiation in the shape and size of the tumor	NIH	Public	
	Transgenex Nanobiotech, Inc.	Tampa, FL	2002	University of South Florida	6	Nanoparticle technologies to diagnose and treat pulmonary inflammatory diseases, cancer	DOE, NIH	Private	
	Triangle Pharmaceuticals (Gilead Sciences, Inc.)	Durham, NC (Foster City, CA)	1995	Emory University	(3,400)	AIDS antiviral therapies	NIH	Acquired	
U	Universal Display Corporation	Ewing, NJ	1994	Princeton University	80	Organic LED technology for flat panel displays, lasers and other light generating devices	DOD, DOE	Public	U
V	Vaccinex, Inc.	Rochester, NY	1997	University of Rochester	50	Human monoclonal antibody technology to treat cancer and other diseases	NIH	Private	V
	Verenium Corporation	Cambridge, MA	1992	University of Florida	500	Cellulosic ethanol and high performance specialty enzymes	DOE, USDA	Public	
	VGX Pharmaceuticals (Inovio Biomedical Corporation)	Philadelphia, PA (Blue Bell, PA)	2000	University of Pennsylvania	(27)	Novel DNA vaccine technologies for HIV, cancer and inflammatory diseases	NIH	Acquired	
	Virtual Incision Corporation	Lincoln, NE	2006	University of Nebraska	2	Miniature robotic surgical tools and camera systems for use in abdominal cavity	DOD, NASA, NIH	Private	
	Vorbeck Materials Corporation	Jessup, MD	2006	Princeton University	N/A	Novel graphene nanomaterial for electronics and high performance applications	NASA, NSF	Private	
W	Webscalers	Binghamton, NY	2002	Binghamton University	7	Metasearch engines that probe deeper into the web than traditional search engines	NSF	Private	W
X	Xenogen (Caliper Life Sciences)	Alameda, CA (Hopkinton, MA)	1994	Stanford University	(489)	In vivo optical imaging technology	DOD, NIH	Acquired	X
	Ximerex, Inc.	Blair, NE	1993	University of Nebraska	3	Cells, tissues, organs from pigs for treating tissue and organ failure	NIH, NIST	Private	
Z	Zymetis, Inc.	College Park, MD	2006	University of Maryland	N/A	Enzyme technologies for biofuel production	DOE, NOAA, NSF	Private	Z

100-PLUS: COMPANIES WITH ACADEMIC RESEARCH AT THEIR CORE

AllTranz, Inc.	Lexington, KY	2004	University of Kentucky	8	Dermally applied pain management therapy	Private
ContraVac	Charlottesville, VA	2002	University of Virginia	4	At-home diagnostic tools for male reproductive health	Private
Endres Machining Innovations, LLC	Houghton, MI	2006	Michigan Technological University	3	Advanced metalworking technology	Private
EMF Corporation	Ithaca, NY	1936	Cornell University	30	First in nation to manufacture evaporated, metallic, thin film coatings	Private
Hewlett-Packard	Palo Alto, CA	1939	Stanford University	304,000	Computer technology	Public
Information in Place, Inc.	Bloomington, IN	1999	Indiana University	40	Training solutions for defense, manufacturing, navigation, healthcare settings	Private
IR Telemetry, Inc.	Houghton, MI	1994	Michigan Technological University	20	Wireless data collection and transmission under extreme conditions	Private
Medtronic	Minneapolis, MN	1949	University of Minnesota	38,000	Medical devices, including first wearable, external, battery-powered pacemaker	Public
Neuronetics, Inc.	Malvern, PA	2003	Emory University	50	Electromagnetic medical device for treatment of major depressive disorder	Private
Perceptive Pixel, Inc.	New York, NY	2007	New York University	10	Multi-touch sensing screen technology	Private
Predictive Physiology & Medicine, Inc.	Bloomington, IN	2005	Indiana University	9	Next generation predictive blood tests to identify future health problems	Private
SJT Micropower, Inc.	Fountain Hills, AZ	2000	Arizona State University	3	Silicon field effect transistor technologies	Private
SUGEN (Pfizer)	South San Francisco, CA (New York, NY)	1991	New York University	(81,800)	Cancer therapies for renal cell carcinoma and gastrointestinal stromal tumors	Acquired

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