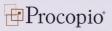






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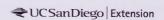


THE
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FOUNDATION

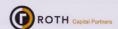


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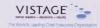












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INTRODUCTION

The CONNECT Innovation Report (CIRI) is commissioned and published by CONNECT, San Diego's technology and life sciences accelerator. The Report is issued on a quarterty basis providing an economic indicator of the strength and impact of the innovation economy, and includes

The CONNECT Innovation Report tracks the health of the San Diego innovation economy by comparing data year-to-year and quarter-to-quarter, providing a comparison across tech industry clusters to selected regions and monitoring availability of various types of capital. The data helps policymakers and trade organizations plan and advocate effectively for our innovation economy including availability of visas and workforce training for talent in high growth clusters, building an attractive environment for capital investment, allocation of grant funding, reform of the patent system, and zoning. The Report also highlights San Diego as a world leader in innovation with world class research, leadership and management talent.

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FOR IMMEDIATE RELEASE

April 27, 2012 Media Contact Steve Hoey Director, Business Creation and Development shoey@connect.org 858,964,1309

Innovation Economy Stepped Up in 2011 Tech start-ups, M&A and patents show big increases

CONNECT's latest Innovation Report shows that the San Diego's innovation economy is starting to kick into high gear. During 2011, the number of new technology companies increased, patent activity hit an all-time high and mergers and acquisitions doubled. In addition, venture capital investment increased by 25 percent in the fourth quarter over the previous quarter.

In 2011, 312 new tech companies were established in San Diego, including 75 in the fourth quarter. The annual total is a 13 percent increase over 2010 and approaches the 319 new companies created in 2009—the highest since before the recession. By specialty, there were 109 new companies in software, 67 in life sciences, 54 in communications, 21 in computers and electronics and 42 in clean tech. Nearly 700 new jobs were created by new innovation companies in the fourth quarter alone—almost 1,200 for the year.

"Job growth at the end of the year is no surprise," said Gary Moss, labor market specialist at the San Diego Workforce Partnership. "We have seen relatively steady growth since July of 2010. This is very encouraging."

Venture capital funding dipped slightly in 2011 to \$829 million, though it did surge in the fourth quarter. Investment trended towards later stage companies, which received a 94 percent increase in funding in the fourth quarter to \$131 million. Start-ups received \$5 million in the fourth quarter, far exceeding the previous quarter's totals.

M&A activity thrived in 2011, nearly doubling to \$6.6 billion. M&A deals involving San Diego companies totaled \$1.2 billion in the fourth quarter. Two San Diego companies went public in 2011, generating \$729 million.

San Diego hit a record for patents in the fourth quarter, with 1,215 being granted, compared to 940 in the fourth quarter of 2010. In addition, there were 1,702 patent applications in the fourth quarter, approaching the record of 1,725 set in the second quarter.

The region also set new highs for federal grant funding in 2011, receiving \$1.14 billion from the National Institutes of Health, National Science Foundation, National Aeronautics and Space Administration and National Oceanic and Atmospheric Administration.

In the fourth quarter of 2011, NIH funding for San Diego research institutions and innovation companies dropped to \$67.5 million. This dramatic drop from previous quarters was due to the agency operating under a Continuous Resolution [CR] signed by President Obama on November 19, 2011, essentially operating without an approved budget.

Spending cuts will further impact NIH funding as the government's efforts at deficit reduction are projected to bite deep into research grant awards.

CONNECT Innovation Report Q4



FOR IMMEDIATE RELEASE

April 27, 2012

The Executive Summary and Full Report, including all data, are available at http://www.connect.org/programs/connect-track/

About the CONNECT Innovation Report

The CONNECT Innovation Report [CIR] is commissioned by CONNECT on a quarterly basis and provides an economic indicator of the strength and impact of the innovation economy. The CONNECT Innovation Report tracks the health of the San Diego innovation economy by comparing data year-on-year and quarter-to-quarter, providing a comparison across tech industry clusters to selected regions and monitoring availability of various types of capital. The data helps policymakers and trade organizations plan and advocate effectively for our innovation economy including availability of visas and workforce training for talent in high growth clusters, building an attractive environment for capital investment, allocation of grant funding, reform of the patent system, and zoning. The Report also highlights San Diego as a world leader in innovation with world-class research, leadership and management talent.

About CONNECT

CONNECT has assisted in the formation and development of more than 3,000 companies in the San Diego region and is widely regarded as one of the world's most successful organizations linking inventors and entrepreneurs with the resources they need for commercialization of innovative products in high tech and life sciences. The program has been modeled in more than 50 regions around the world. Key to our success has been the unique "culture of collaboration" between research organizations, capital sources, professional service providers and the established industries. CONNECT has been recognized by TIME, Inc. and Entrepreneur magazines and last year received the 2010 Innovation in Economic Development Award from the U.S. Department of Commerce for creation of Regional Innovation Clusters. CONNECT manages the San Diego Innovation Hub (iHub) designated by the state of California Governor's Office of Economic Development in 2010.

For more information, please visit connect.org



Highlights of the CONNECT Innovation Report Fourth Quarter 2011 and 2011 Year Summary

- Number of San Diego tech start-ups up 14% over 2010
- 312 new tech companies in 2011, leading to 1,100 new tech jobs in San Diego
- Overall tech employment figures show slight improvement in 2011
- Number of patents granted and applications published hit new highs in 2011
- Venture capital (VC) investment up almost 25% in Q4 2011 over previous quarter
- Merger and acquisition [M&A] activity in San Diego doubled in 2011 from \$3.8 billion to \$6.6 billion in 2010
- 29 California companies went public during 2011 two of them based in San Diego – raising almost \$6 billion in total
- More than 13 San Diego companies raised \$1.7 billion in additional public equity offerings during 2011
- Federal grant awards to San Diego from NIH, NSF, NASA and NOAA totaled more than \$1.1 billion in 2011
- San Diego leads California in NIH funding per capita, but NIH grant funding falls off sharply in fourth quarter
- Post-American Reinvestment and Recovery Act (ARRA), federal research grant funding levels are likely to be substantially lower going forward
- San Diego continues to lead California in the private research institute employment

CONNECT Innovation Report Q4.1

A QUARTERLY
EVALUATION OF OUR
INNOVATION ECONOM
IN SAN DIEGO AND
ACROSS CALIFORNIA

04.1

New Tech Start-ups/Tech Employment & Wages/Economic Indicators/VC Investment/M&A Activity/Patent & Research Grants Activity/Research Jobs & Wages

More Than 300 San Diego New Tech Companies Established In 2011; More Than 1,100 New Tech Jobs Created

CONNECT's Innovation Report shows that more than 300 new innovation companies were established in San Diego in 2011

- 312 new technology companies in 2011
- . More than 1,100 new tech jobs created
- 75 tech start-ups in the fourth quarte;
- New tech jobs in San Diego surged in the fourth quarter to nearly 700
- Majority of new jobs in fourth quarter were in defense & transportation and life sciences sectors
- The software sector showed the biggest gains in 2011 with almost 110 new companies started, up almost 40 percent from 2010; there were about 2



percent from 2010; there were about 27 new software companies started in each quarter of

NEW TECH COMPANIES & JOB CREATION

New San Diego Tech Companies Up 13 Percent in 2011

NEW SAN DIEGO INNOVATION COMPANIES BY QUARTER - 2010 TO 2011



Source: National University System institute for Policy Research; commissioned by Conne

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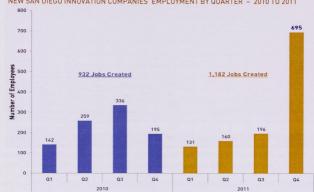
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NEW TECH COMPANIES & JOB CREATION

New Tech Jobs Jump 27 Percent in 2011

NEW SAN DIEGO INNOVATION COMPANIES' EMPLOYMENT BY QUARTER - 2010 TO 2011



Traditional Tech Sectors (Software, Communications, Computers & Electronics) Led Start-Up Creation in 2011; Environmental Tech Start-Ups Doubled

- Software, Communications and Computer & Electronics sectors accounted for 60 percent of all tech start-ups in 2011
- Software was again the largest tech start-up sector in 2011 with almost 110 new companies
- The number of environmental technology (cleantech) start-ups more than doubled during 2011 compared to 2010
- Almost 70 new life sciences companies were started in 2011, down slightly (6 percent) from 2010
- The number of computer and electronics start-ups were down 33 percent in 2011 compared to 2010

CONNECT Innovation Report 04.

-8



NEW TECH COMPANIES & JOB CREATION

NEW SAN DIEGO INNOVATION COMPANIES BY QUARTER AND 2010 - 2011 COMPARISON

Industry	2011				Annual		Annual	
Sector	Q1	Q2	Q3	Q4	2010	2011	Change	
TOTAL TECH SECTOR	70	76	91	75	277	312	13%	
Software	27	27	27	28	80	109	36%	
Communications	17	12	17	8	48	54	13%	
Computer & Electronics	2	8	7	7	36	24	-33%	
Pharma/Bio/Medical	11	13	22	21	71	67	-6%	
Recreational Goods Manufacturing	7	9	6	3	23	25	9%	
Environmental Technology	2	6	6	7	10	21	110%	
Defense and Transportation	4	1	6	1	9	12	33%	

Source: National University System Institute of Policy Research; commissioned by CONNI

Surge in New Tech Company Jobs in Fourth Quarter 2011

Almost 700 new jobs were created by San Diego's new innovation companies in the fourth quarter of 2011, and almost 1,200 during the full year 2011

- The establishment of several subsidiaries in San Diego led to an surge in new jobs in the tech sector in the fourth quarter of 2011
- One newly established subsidiary in the defense and transportation sector added 250 jobs in the fourth quarter
- A newly established medical device company subsidiary accounted for 90 new jobs in the life sciences sector in the fourth quarter
- Two software company established subsidiaries with almost 60 employees each in San Diego in the fourth quarter
- A new fitness equipment company added almost 20 new jobs in the recreational goods sector in the fourth quarter



CONNECT INNOVATION (CONTID)

NEW TECH COMPANIES & JOB CREATION

NEW SAN DIEGO TECH COMPANIES' EMPLOYMENT - 4TH QUARTER 2011 and FULL YEAR 2011.

Tech Industry Sector	Q3 2011 # of Employees	Q4 2011 # of Employees	Quarter Change Q3 to Q4 2011	Full Year 2010 # of Employees	Full Year 2011 # of Employees	Annual Change 2010 to 2011
Software	61	183	200%	243	358	47%
Environmental Technology	36	28	-22%	64	96	50%
Computer and Electronics	14	19	36%	150	63	-58%
Communications	25	10	-60%	118	92	-22%
Pharma/Bio/Medical	49	185	278%	303	269	-11%
Recreational Goods	6	20	233%	29	43	48%
Defense and Transportation	5	250	4900%	25	261	944%
TOTAL	196	695	255%	932	1,182	27%

Source: National University System Institute for Policy Research; commissioned by CONNEC

Almost 2,500 California New Innovation Companies Created in 2011

- Software start-ups accounted for most of the increase in California's tech start-ups. New "Apps" companies may be partially spurring the surge of new software companies
- Traditional tech sectors (software, communications, computer & electronics) accounted for almost 70 percent of California's new tech companies in 2011
- . Overall, the number of California tech start-ups in 2011 was up slightly compared to 2010
- Although the life sciences sector showed a slight gain in new companies established in the fourth quarter compared to the third quarter, the sector was down 14 percent for the full year 2011

NEW CALIFORNIA INNOVATION COMPANIES BY QUARTER AND 2010 - 2011 COMPARISON

DEPOSIT DE L'ANDRE DE		2011			Annual		Annual
	Q1	Q2	Q3	Q4	2010	2011	Change
TOTAL TECH SECTOR	597	675	592	616	2,350	2,480	6%
Software	228	229	192	238	723	887	23%
Communications	123	145	107	80	414	455	10%
Computer & Electronics	43	94	104	90	327	331	1%
Pharma/Bio/Medical	93	110	115	121	508	439	-14%
Defense and Transportation	30	32	27	34	108	123	14%
Environmental Technology	35	33	27	38	156	133	-15%
Recreational Goods Manufacturing	45	32	20	15	114	112	-2%

Source: National University System Institute of Policy Research; commissioned by CONNECT



NEW TECH COMPANIES & JOB CREATION

Almost 9,000 California New Jobs Created in 2011

- Almost 3,700 new jobs were created by California's new innovation companies in the fourth quarter of 2011, and almost 9,000 during the full year 2011 – up 23 percent from 2010
 - The increase was primarily driven by the defense and transportation section, which saw a 14 percent increase in new companies in 2011, but a dramatic increase in employment compared to 2010
 - Employment among recreational goods manufacturing companies was up almost 85 percent in 2011 compared to 2010 with more than 450 new jobs
 - Software employment was up 71 percent in the fourth quarter compared to the third quarter of 2011, and up 27 percent in 2011 compared to the previous year
 - Statewide, jobs created by new life sciences companies was up almost 200 percent in the fourth quarter compared to the previous quarter, but down more than 25 percent in 2011 compared to 2010

NEW CALIFORNIA TECH COMPANIES' EMPLOYMENT - QUARTERLY AND YEARLY COMPARISON

Tech Industry Sector	Q3 2011 # of Employees	Q4 2011 # of Employees	Quarter Change Q3 to Q4 2011	Full Year 2011 # of Employees	Full Year 2011 # of Employees	Annual Change 2010 to 2011
Software	541	924	71%	2,277	2,902	27%
Computer & Electronics	414	487	18%	1,156	1,379	19%
Communications	265	324	22%	927	1,082	17%
Defense and Transportation	37	905	2346%	195	1,241	536%
Pharma/Bio/Medical	301	866	188%	2,111	1,543	-27%
Recreational Goods	23	57	148%	247	454	84%
Environmental Technology	113	115	2%	422	395	-6%
TOTAL	1,694	3,678	117%	7,335	8,996	23%

San Diego Tech Sector Employment Remained Stable During 2011

- The overall number of tech sector companies was stable in 2011 compared to the previous year
- \bullet Tech employment was also stable during 2011 showing slight improvement toward the end of the year
- 6,000 innovation companies in San Diego employed138,000+ employees representing \$3.3 billion total payroll in the fourth quarter
- · Tech innovation companies represented:
 - Only 6% of all San Diego County employers
 - 11% of all jobs
- More than 20% of all County payroll
- The life sciences sector has shown consistent overall employment growth
- Employment in the communications equipment sector stabilized in 2011 after a period of decline



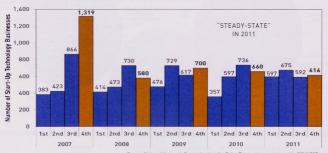
NEW TECH COMPANIES & JOB CREATION

CALIFORNIA INNOVATION START-UPS BY INDUSTRY SECTOR - 4TH QUARTER 2011

Overall, California showed a slight increase of 4 percent in new innovation company creation in the fourth quarter of 2011 with 616 new technology companies established, compared to 592 in the previous quarter.

In 2011, almost 2,500 new tech companies were established in California – up slightly (6 percent) from 2,350 established in 2010

CALIFORNIA NEW INNOVATION COMPANIES BY QUARTER



California Start-Up Highlights Fourth Quarter and Full Year 2011

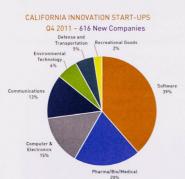
- Software start-ups accounted for most of the increase in California's tech start-ups. New "Apps" companies may be partially spurring the surge of new software companies
- 238 software start-ups in the fourth quarter of 2011, and 887 software companies formed in 2011
- 80 communications sector start-ups in the fourth quarter, and 455 for the full year 2011
- 121 new life sciences sector in the fourth quarter with companies, and 439 for the full year 2011
- 90 computer and electronics start-ups in the fourth quarter, and 331 for the full year 2011
- Biggest Surge In New Tech Company Jobs: Almost 3,700 new jobs were created by California's new innovation companies in the fourth quarter of 2011, and almost 9,000 during the full year 2011

CONNECT Innovation Report Q4.11-



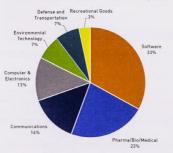
NEW TECH COMPANIES & JOB CREATION

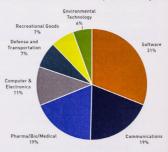
Almost 2,500 California New Innovation Companies Created in 2011; ~9,000 New Jobs





Southern California Q4 2011 - 300 New Companies Southern California FY 2011 - 1,296 New Companies





cource: National University System Institute of Policy Research; commissioned by CUNNEC

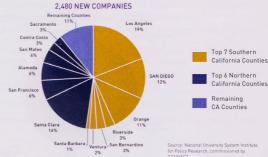
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NEW TECH COMPANIES & JOB CREATION

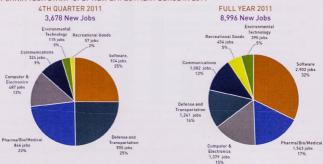
In California, the top 13 counties accounted for almost 90 percent of 2,480 new tech companies started during the full year 2011

- Southern California represented more than half of the tech start-ups with almost 1,296 technology companies established
- The Silicon Valley/Sacramento region accounted for 37 percent of the start-ups with more than 940 new technology companies
- The remaining counties in the state accounted for more than 240 new technology companies

CALIFORNIA INNOVATION START-UPS BY COUNTY - FULL YEAR 2011



CALIFORNIA TECH START-UPS: NEW EMPLOYMENT SURGE IN 2011



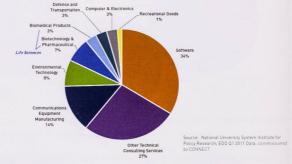


TECH SECTOR EMPLOYMENT & WAGES

TOTAL EMPLOYER AND EMPLOYMENT DATA FOR SAN DIEGO'S INNOVATION ECONOMY

- There were almost 6,000 innovation companies in San Diego employing more than 138,000 employees and representing more than \$3.3 billion total payroll for the quarter
- Tech innovation companies represent only 6 percent of all San Diego County employers, but technology sector employment represents 11 percent of all jobs and more than 20 percent of all payrolls for the quarter

TOTAL NUMBER OF SAN DIEGO INNOVATION ECONOMY COMPANIES BY INDUSTRY SECTOR 5 978 COMPANIES



6,000 Tech Companies in San Diego

- Software companies make up a third of the total San Diego innovation economy with more than 2.000 companies, according to the most recently available EDD census data
- Technical consulting services companies account for more than a quarter of the total with more than 1,600 companies
- Communications (includes wireless) sector represents almost 15 percent with almost 825 companies
- Life sciences companies (pharma/biotech/biomedical products) companies make up 10 percent with more than 600 companies
- The growing environmental technology sector, which includes many of the cleantech industry companies, was comprised of more than 450 companies
- The computer & electronics and the defense & transportation sectors made up 6 percent of the total number of tech companies in San Diego County with approximately 200 companies each
- Recreational good manufacturing firms made up the remainder of the San Diego innovation sector with almost 75 companies

CONNECT Innovation Report Q4.11—

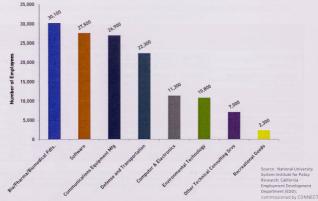


TECH SECTOR EMPLOYMENT & WAGES

138,000 Tech Jobs in San Diego

- In the fourth quarter of 2011, four industry sectors employed more than 75 percent of San Diego's innovation economy workforce
- San Diego's tech sector accounted for an estimated 138,200 jobs according to research CONNECT commissioned from the National University System Institute for Policy Research
- The life sciences sector, which includes biotech, pharma and biomedical device companies, was the largest sector with an estimated 30,100 jobs in the third quarter
- Software ranked second in the fourth quarter of 2011 with an estimated 27,500 jobs
- Communications equipment manufacturing was the third largest sector with 26,900 jobs
- The defense and transportation sector employed almost 22,300 workers
- The computer and electronics sector represented more than 8 percent of San Diego's tech employment with an estimated 11,300 jobs
- Environmental technology companies employed an estimated 10,800 workers and represented 8 percent of tech jobs
- Technical consulting services companies employed 7,000 workers. Although this sector
 was the second largest in terms of the number of companies in San Diego's innovation
 economy, these firms are generally smaller companies employing about four people
- Recreational goods manufacturing companies employed about 2,300 workers

SAN DIEGO COUNTY ESTIMATED INNOVATION ECONOMY EMPLOYMENT BY INDUSTRY CLUSTER 4^{TH} QUARTER 2011





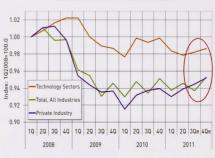
TECH SECTOR EMPLOYMENT & WAGES

Employment Trends:

Ketly Cunningham, Economist and Senior Fellow at the National University System Institute for Policy Research commented last November in the NUSIPR's outlook for San Diego's economy in 2012 saying, "San Diego sell continue to see challenges in the kinds of jobs being created and the wages that San Diegans receive. Middle-skilled jobs that once formed the broad-base of the middle class are disappearing.

Most jobs being created are relatively low-skilled fand low-paid that cannot be replaced by machines or easily sent overseas—such as home nursing and landscape gardening. Jobs are also being created for the highly skilled, notably in science, engineering and management. This is particularly true for high-cost areas of California, such as San Diego, where job growth prospects are also limited by the state's onerous taxes and draconian regulatory environment."

EMPLOYMENT TRENDS IN SAN DIEGO: TECHNOLOGY SECTOR BY CLUSTER VERSUS ALL INDUSTRIES 15T QUARTER 2008 TO 4TH QUARTER 2011



e indicates estimate

TOTAL EMPLOYMENT AND TECH SECTOR EMPLOYMENT IN SAN DIEGO COUNTY 4TH QUARTER 2009 TO 4TH QUARTER 2011

AND PERSONAL PROPERTY.		Act	ual	N Red La	Estir	nate	% Change Q4 2009 to Q4 2011	% Change Q3 2011 to Q4 2011
Employment	Q4 2009	Q4 2010	Q1 2011	Q1 2011	Q3 2011	Q4 2011		
Total All Industries	1,245,044	1,252,309	1,234,100	1,245,000	1,233,500	1,254,600	0.8%	1.7%
Total Private	1,020,492	1,023,598	1,013,400	1,023,100	1,029,400	1,037,400	1.7%	0.8%
Total Non-Tech Employment	1,106,844	1,112,409	1,096,300	1,107,900	1,095,900	1,116,400	0.9%	1.9%
Technology Total	138,200	139,900	137,800	137,100	137,600	138,200	0.0%	0.4%
Software	26,900	27,300	26,900	26,900	27,000	27,500	2.2%	1.9%
Communications Equipment Mfg	29,200	28,200	26,800	26,800	26,900	26,900	-7.9%	0.0%
Biotechnology & Pharmaceutical	19,800	21,200	22,700	22,800	23,000	22,900	15.7%	-0.4%
Defense and Transportation	24,300	23,700	23,500	22,300	22,400	22,300	-8.2%	-0.4%
Computer & Electronics	12,600	12,300	11,200	11,300	11,300	11,300	-10.3%	0.0%
Environmental Technology	10,100	11,200	10,600	10,700	10,800	10,800	6.9%	0.0%
Biomedical Products	6,400	6,900	7,200	7,200	7,100	7,200	12.5%	1.4%
Other Technical Consulting Srvs	6,400	6,700	6,400	6,800	6,800	7,000	9.4%	2.9%
Recreational Goods	2,500	2,400	2,500	2,300	2,300	2,300	-8.0%	0.0%

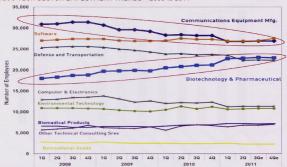
Derived for CONNECT from California Employment Development Department's Quarterly Census of Employment and Wages (QCEW) program, and monthly employment estimates. Technology sectors based upon NAICS codes defined, in part, by SANDAG Clarer Analysis and CONNECT Lecthology definitions, with adjustments and estimates by National University System Institute for Policy Research.



TECH SECTOR EMPLOYMENT & WAGES

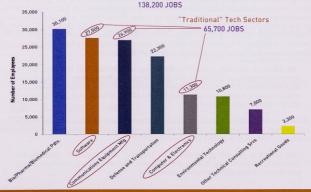
Communications Sector Shows Slight Downward Employment Trend; Life Sciences Sector Shows Gradual Increase; Other Tech Sectors Show Stable Employment

SAN DIEGO TECH SECTOR EMPLOYMENT TRENDS - 2008 to 2011



Source: National University System Institute for Policy Research; California Employment Development

"Traditional" Tech Sectors Account for Half of San Diego's Tech Economy Employment SAN DIEGO COUNTY ESTIMATED INNOVATION ECONOMY EMPLOYMENT - 4TH QUARTER 2011



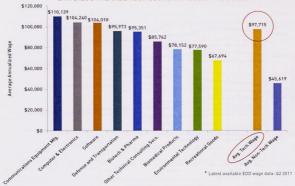
CONNECT Innovation Report Q4.11



TECH SECTOR EMPLOYMENT & WAGES

San Diego Average Annual Tech Sector Wage Almost \$98,000 Compared To \$46,000 for Non-Tech Sector John

SAN DIEGO AVERAGE TECH SECTOR WAGES BY INDUSTRY



iource: National University System Institute for Policy Research, California Employment Development Department IEDDI, commissioned by CONNEC

As Economy Slowly Improves, Workforce Outlook Continues Steady Trend Upward

Measures of the local economy crept up and consumer confidence roared in the latter part of 2011. Seasonal hires exceeded expectations and the economy continued to add jobs. Each of these factors led to a continuing climb for the San Diego Workforce Index. The Workforce Index is a compilation of a range of economic indicators that provide a month-to-month record of the status of the workforce in San Diego County. A reading of 100 indicates "full employment" where the labor market is in equilibrium. A reading of less than 100 would indicate a slowdown in the local economy and might reflect a shortage of employment opportunities [see chart on page 21].

"We are more optimistic about 2012 than many economists," said Nathaniel Buggs, Interim President and CEO of the San Diego Workforce Partnership, "We heard from local economists at the Annual San Diego County Economic Roundtable in January 2012, and they were somewhat less optimistic. But, the current situation looks stronger than it has for several years," Buggs added.

The increase in the San Diego Workforce Index from November's 86.70 (adjusted) to 86.96 in December was a 0.3 percent gain in hires, but, it was the fifth month of consecutive improvement in the job market. The index is currently up 5.34 percent over December of 2011.

"Job growth at the end of the year is no surprise," said Gary Moss, Labor Market Specialist at the San Diego Workforce Partnership, "But, we have seen relatively steady growth since July of 2010; this is very encouraging,"



TECH SECTOR EMPLOYMENT & WAGES

SAN DIEGO COUNTY WORKFORCE INDEX



Source: San Diego Workforce Partnership

To read more about the San Diego regional labor market, http://workforce.org/workforce-index



- a member of CONNECT



The Da Vinci Index: The First Metric for Biomimicry

The Economic Impact of Biomimicry

Biomimicry is one of the most promising scientific fields that could transform the ways goods and services are designed, produced, transported, and distributed. It could represent a major "game changer" in the 21st Century by forging a bridge between environmental and business interests.

In 15 years, biomimicry could represent \$300 billion annually of U.S. gross domestic product (GDP) in 2010 dollars. It could provide another \$50 billion in terms of mitigating the depletion of various natural resources and reducing CO2 pollution. Biomimicry could account for 1.6 million U.S. jobs by 2025. Globally, biomimicry could represent about \$1.0 trillion of GDP in 15 years.

These are the exciting results of an economic impact study commissioned by <u>San Diego Zoo Global</u> in 2010. The study, conducted by the <u>Fermanian Business and Economic Institute at Point Loma Nazarene University</u>, predicts that in the coming years biomimicry will be an economic game changer. This promising study shows the reality of biomimicry as a means of creating both environmentally sustainable and economically viable products

Executive Summary http://www.sandiegozoo.org/images/uploads/EIS ExecSummary.pdf
Full Report http://www.sandiegozoo.org/images/uploads/BiomimicryEconomicImpactStudy.pdf

In order to increase awareness among business leaders, government policymakers, investors, and the media, the Da Vinci Index has been designed to measure activity occurring over the past decade and going forward in the field relating to biomimicry and bioinspiration.

The Da Vinci Index is designed to provide a tangible metric or barometer of progress in the field. It would join other tracking indices, such as the Case-Shiller Home Price Index, the Index of Leading Economic Indicators, the S&P 500 Stock Price Index, and many others.

The Da Vinci Index is comprised of four sub-components:

- · Number of Scholarly Articles
 - Because much of the work being done in biomimicry has roots in academia, monitoring the publications in various journals in the field is viewed as an important element.
- · Number of Patents

Patent awards are often one of the first steps in the commercialization of bio-inspired concepts and are therefore included.

· Number of Grants

National Science Foundation (NSF) and National Institutes of Health (NIH) grants are incorporated in the Index to capture the extent of government support for the field, with the prospect for further development as research is translated from concept to implementation. While other agencies also issue grants, NSF and NIH appear to capture the bulk of activity.

· Dollar Value of Grants

To incorporate not only the scale but also the scope and magnitude of the grants involved, the dollar value of each award is also included as one of the sub-components.



The Da Vinci INDEX: THE FIRST METRIC FOR BIOMIMICRY (CONT'D)

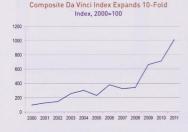
Da Vinci Index: 2011 Concludes with a Record High

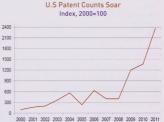
The overall Da Vinci Index soared to a record high in 2011 as interest and awareness of the potential of biomimicry continued to expand. Since the year 2000, the measure of bio-inspiration has increased by more than tenfold. The Da Vinci Index measures activity in the field of biomimicry or potential commercial applications inspired by solutions found in nature.

The Index is compiled based on the number of patents issued, scholarly articles published, the number of grants issued by the National Science Foundation (NSFI) and National Institutes of Health (NIHI), and the value of those grants for any given period. Biomimicry has experienced explosive growth during the past decade. While annual changes have been volatile, the overall trend during the past decade has been strongly upward.

The Results

The composite Da Vinci Index posted a seven-fold rise between 2000 and 2010, climbing from 100 to 713. This represents a 22 percent compound annual rate of growth. The Index has advanced further in 2011 to a level of 1,013. This represents a 42 percent surge over the value recorded for 2010. This surge was led by the issuance of patents in the field of biomimicry, which jumped by more than 70 percent to 71 in 2011.





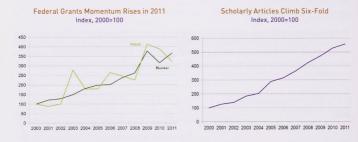


The Da Vinci INDEX: THE FIRST METRIC FOR BIOMIMICRY ICONTIDI

The number of scholarly articles rose from 285 in 2000 to 1,590 in 2011, representing more than a five-fold increase.

The number of grants increased from 71 in 2000 to 260 in 2011 representing nearly a four-fold rise. While the number of grants rose last year, the dollar value of these grants declined from \$93 million in 2010 to \$77 million in 2011. Overall this represents a three-fold rise in dollar value from \$24 million in 2000 to \$77 million in 2011.

The NSF recorded decreases in both metrics, representing a second year of decline from the 2009 peak. In contrast, the NIH saw gains in both the number and dollar value of grants with both numbers reaching new all-time highs. Budget cuts may be weighing more heavily on NSF funding than that of the NIH because of the focus on health care.



The 2011 totals for the Da Vinci Index underscore the potential for bio-inspiration to provide businesses throughout the world with more efficient and sustainable solutions to enable the achievement of both growth and environmental goals.

The above information was provided by: POINT LOMA - a member of CONNECT

CONNECT Innovation Report Q4.11—



CEO CONFIDENCE INDEX

Economic Optimism Sparks Surge in CEO Confidence According to the 4th Quarter 2011 Vistage CEO Confidence Index

Vistage CEO Confidence Index Highlights 41% of CEOs recognized improved economic conditions over the previous 12 months, up from just 18% in the Q3 survey Only 12% of CEOs thought the economy had recently worsened 73% of CEOs expected revenue growth. 55% of CEOs said they plan to increase the number of their employees over the next 12 months, compared with 46% in the Q3 survey. 43% of CEOs said that the European debt crisis impacts their business 24% of CEOs are finding it easier to obtain credit for their business today compared to 6 months ago. 49% of CEOs believe Mitt Romney will emerge as the Republican Presidential Nominee for 2012, while 29% believe it will be Newt Gingrich. Vistage CEO Confidence Index Date of Survey The Vistage CEO Confidence Index was 98.8

in the Q4 2011 survey, up from 83.5 in Q3 and

The quarterly Vistage CEO Confidence Index is the nation's largest and most comprehensive report of the opinions and projections of over 2,000 small-to-medium sized business CEOs about the U.S. economy.

HIGHLIGHTS

Economic Growth Rebounds

More than twice as many CEOs thought that the economy had improved in the latest survey compared with the third quarter of 2011. Improved economic conditions were cited by 41 percent in the fourth quarter, up from just 18 percent in the third quarter. Just 12 percent thought the economy had recently worsened. When asked about prospects for the year ahead, additional economic gains were expected by 40 percent, twice the 20 percent recorded in the third quarter. While CEOs were still less optimistic than they were in the closing quarter of 2010, the data signal a stronger fourth quarter GDP and modest positive growth in the year ahead.

Majority Plan New Hires

Net increases in employment were planned by 55 percent of all firms in the fourth quarter of 2011. Although only barely above last year's 54 percent, it was the highest percent that planned job additions since 2007. Just 6 percent planned net declines in the number of their employees during 2012, scarcely above the all-time low of 5 percent. CEOs were nearly evenly split on whether the recent sharp decline in unemployment represented the start of a sustained trend or just a temporary blip. When asked what Congress should do to create more jobs, 33 percent of the CEOs said "make the current tax cuts permanent," followed by, "provide employers with hiring incentives," at 17 percent and "increase spending on infrastructure" at 14 percent.

Revenue Prospects Improve

Revenue growth was expected by 73 percent of all firms in the fourth quarter survey, up from 62 percent in the prior quarter, and much closer to the year ago level of 77 percent. Revenue expectations were twice as favorable as at the recession low, when just 36 percent expected higher revenues in the closing quarter of 2008. This recent improvement came despite the expectation by six-in-ten firms that the prices that they would receive for their goods or services would remain unchanged or fall during the year ahead.

Profit Outlook Edges Higher

92.9 in Q2.

Increasing profits were anticipated by 55 percent of all firms in the fourth quarter of 2011, between last quarter's 47 percent and last year's 63 percent. While the worst impact of the recession on profits is clearly over [just 9 percent anticipated declining profits, down from a peak of 36 percent three years ago], the expectation of higher profits is still well below the peak of 74 percent in the fourth quarter of 2003.

Investment Strengthens

Planned investments in new plant and equipment were reported by 42 percent of all firms in the fourth quarter of 2011, the highest level since 48 percent was recorded at the start of 2011. Just one-in-eight firms reported that they would reduce their fixed investments during 2012. While the number of firms that plan to increase investment spending is well above the low of 18 percent recorded at the close of 2008, it is still below its peak level of 57 percent set at the closing quarter of 2005. This commitment of investment funds to secure future revenues underscores these CEOs' expectations of a modestly stronger recovery in 2012.



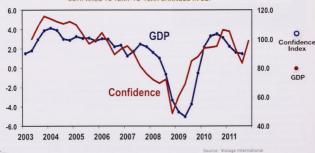
CEO CONFIDENCE INDEX (CONT'D)

After sharp declines in the past three quarters, CEO confidence bounced back at year's end with the largest quarterly gain since the start of the recovery in 2009. The fourth quarter 2011 Vistage CEO Confidence Index, which reflects responses from 1,641 US small business CEOs (surveyed between December 12-22, 2011), was 98.8, up from 83.5 in the third quarter, and reaching the highest level since 105.2 recorded at the start of 2011.

Every component of the confidence index improved. Expected gains prompted CEOs to plan increases in employment and fixed investments, as they anticipate higher revenues and profits during the year ahead. Persistent economic and political uncertainty remains a top concern, mentioned by nearly half of all CEOs, fueled by the debt crisis in Europe and the failure of Congress to address the national debt, with two-thirds saying that the national debt had negatively affected their business plans. A 20 percent decline over the past two quarters brought the Confidence Index to its lowest level in two years. The largest declines were in evaluations of the economy and, since the majority expects a stagnant economy during the year ahead, CEOs plan to trim their fixed investments and will likely curtail hiring plans. Revenues and profits are also expected to shrink. Along with pointing to a host of added regulatory burdens and expected increases in healthcare costs, the most important factor cited by CEOs for their decreased confidence was inadequate demand for their products or services.

The recent surge in confidence may have longer-term implications, as 49 percent of the CEOs surveyed believe that in three years, the U.S. will be the most improved economy in the world with China posting 17 percent and South America at 14 percent. According to Vistage Chairman of the Board and CEO Rafael Pastor, the three-year outlook is very telling and good news for our economy: "This is not the opinion of pundits or economists; these are the CEOs who are leading our economic recovery and will be responsible for improving the business and employment picture in the U.S. over the next three years. This is a good sign of better days head. Basically, these CEOs are saying that, despite the stalemates in Washington, and the volatility around the world, they and their enterprises will innovate, grow, and hire in the ways the rest of the world can't." Fifty percent of the Vistage CEOs blamed the President, the Congress, Democrats and Republicans—collectively—for a lack of leadership in Washington. Thirty-three percent blamed the President and the Administration alone, while seven percent blamed Congress alone.

VISTAGE CEO CONFIDENCE INDEX COMPARED TO YEAR-TO-YEAR CHANGES IN GDP



VISTAGE: - a member of CONNECT

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CONNECT PUBLIC POLICY BRIEF

Progress Seen in D.C. on CONNECT's Innovation Policy Ideas in 2011 and Early 2012

In September 2011, CONNECT identified seven ready-to-go ideas that can promptly pass Congress and be signed by the President. These seven innovation policy ideas will provide a quick injection of capital and talent into the innovation ecosystem allowing emerging companies to thrive and create jobs while also increasing federal revenue towards deficit reduction. For more details on CONNECT's Seven Innovation Policy Ideas, click here.

Seven Innovation Policy Ideas to Spark an American Recovery





- Increase the monetary cap on direct public offerings by small companies to allow new opportunities for emerging companies to raise capital [Reg A]
 - 2. Incentivize the investment of foreign earnings into emerging technology research and commercialization
 - 3. Encourage more Angel investment into start-up and emerging companies



- Reauthorize the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grant programs
 - 5. Retain top-level talent from American universities
 - 6. Facilitate the growth of start-up companies by immigrant entrepreneurs
 - 7. Solidify recently passed provisions in the Small Business Jobs Act of 2010 to provide long-term certainty to small businesses and their investors

Two of these policy ideas were passed by the House and the Senate (see ✓ above), and others continue to move through the legislative process. They deserve continued focus because of their significant job-creation potential. Many of them are common-sense changes that have already garnered bi-partisan support. Prompt action on these ideas will demonstrate to the American people that our leaders can find common solutions that make a substantial impact toward economic recovery.

JOBS Act to Increase Startup Access to Capital Pass Congress, Signed into Law by President

Majority Leader Eric Cantor (Virginia) was the representative who unveiled a package of six bills that have been rolled up into H.R. 3606—the JOBS (Jumpstart Our Business Startups) Act. The JOBS Act is the latest effort by House leaders to keep Congress focused on pro-innovation, pro-growth and jobcreating legislation.

The six-bill package includes four bills the House already passed individually but which appear to be stalled in the Senate. Two new bills were added to the package after they passed the House Financial Services Committee with overwhelmingly bipartisan support. In announcing the package, Cantor pointed out:

"These bipartisan measures will increase capital formation, spur the growth of startups and small businesses, and pave the way for more small-scale businesses to go public and create more jobs."

The JOBS Acts was signed into law by President Obama on April 5, 2012.



In November 2011, CONNECT brought two San Diego start-up CEOs, Lonna Williams of Ridge Diagnostics and Tsvi Goldenberg of EemRa, to Capitol Hill to testify before Chairman Issa's House Oversight and Government Reform Committee hearing as the House was starting to shape those concepts into bills. In both written and oral testimony, Williams and Goldenberg expressed support for several of the capital formation ideas that eventually became bills in the JOBS Act. Since that time, CONNECT's D.C. Office has actively been involved in staff interactions and coalition efforts to advance the bills as they traversed through the legislative process.

The two new bills in the JOBS Act include:

Reopening American Capital Markets to Emerging Growth Companies Act: This bill, also known as the "on ramp" bill, reduces the costs of going public by providing companies with a temporary reprieve from SEC regulations by phasing in certain regulations over a five-year period allowing smaller companies to go public sooner.

Private Company Flexibility and Growth Act: The bill simply increases the current shareholder cap under SEC regulations from 500 to 1,000, allowing privately held companies to raise capital without being forced to go public.

The other four bills in the JOBS Act include:

H.R. 1070—the Small Company Capital Formation Act: The bill will raise the Regulation A exemption for mini-IPOs from \$5M to \$50M. Raising the offering threshold helps small companies gain access to capital markets without the costs and delays associated with the full-scale SEC securities registration process.

H.R. 2030—Entrepreneur Access to Capital Act: The bill will legalize the popular internet practice of crowdfunding by removing current SEC restrictions against the practice so entrepreneurs can raise equity capital from a large pool of small investors. Crowdfunding companies could pool up to \$1 million from investors with individual investor contributions limited to whichever is less of \$10,000 or 10 percent of the investor's annual income.

H.R. 2940—Access To Capital for Job Creators Act: The bill eliminates the ban on general solicitation or advertising as long as the purchasers are "accredited investors." The legislation would allow companies greater access to accredited investors and new sources of capital to grow and create jobs, without putting less sophisticated investors at risk.

Capital Expansion Act: The bill increases the number of shareholders permitted to invest in a community bank from 500 to 2,000 enabling local banks to better deploy their capital to make loans to start-ups and small businesses without unwarranted SEC compliance costs.

Tardibono concluded, "...with the recent success of Congress passing and the President signing SBIR Reauthorization, the JOBS Act passage marks the second of our Seven Innovation Policy Ideas to become law."

CONNECT Innovation Report 94.11



Repatriation of Foreign Earnings into Emerging Technology Research Legislation Advances with Bipartisan Senate Bill in 2011

Senator Kay Hagan (North Carolina) and Senator John McCain (Arizona) introduced the Foreign Earnings Reinvestment Act signaling the latest bipartisan effort to advance tax reform through a temporary reduction of the repatriation tax. Currently, American companies with overseas operations have to pay a total tax of 35% on any foreign earnings they return, or repatriate, back to the U.S. As the repatriation issue has built momentum on Capitol Hill, studies have shown that as much as \$1.5 trillion in foreign earnings is trapped overseas because the high tax rates serves as a deterrent to American companies returning the earnings to the U.S.

The Hagan-McCain bill would temporarily reduce the repatriation tax to 8.75%. However, the 8.75% rate could be reduced to as low as 5.25% if U.S. companies expand their payroll by 10%. The bill discourages layoffs after repatriation by penalizing American companies \$75,000 per employee laid of

CONNECT's Public Policy Department endorsed repatriation generally but specifically endorsed a more innovation-targeted repatriation bill, H.R. 1036. The whitepaper notes that the current 35% rate results in foreign countries, creating incentives for U.S. companies to spend those earnings in foreign countries for R&D and manufacturing thus strengthening the competitiveness of America's global competitors.

Instead H.R. 1036 focuses repatriated earnings toward early-stage innovation by cutting the tax rate to 0% for foreign earnings returning to the U.S. to fund research and development including sponsored, purchased or collaborative R&D, funding proof of concept centers, early-stage venture investments, expansion of facilities, or to create/expand U.S. manufacturing including contract manufacturing. The bill allows the return of foreign earnings at a 5.25% rate otherwise. Bringing the earnings back to the U.S. to further catalyze innovation will create jobs while strengthening America's edge in global innovation.

Repatriation continues to face resistance from Congressional leaders and the Obama Administration which favors repatriation being addressed as a component of broader, comprehensive tax reform. CONNECT's Washington D.C. Office is involved in efforts to advance the repatriation issue and will continue to encourage incentives for such earnings to be directed to pro-innovation purposes. To learn more about the Hagan-McCain bill. go to http://bit.lv/oPauEU.

Small Business Administration Developing Regulations to Implement SBIR Reauthorization

In its effort to increase outreach to the small business community, the Small Business Administration (SBA) has recently provided insight into their internal process of how SBIR Reauthorization implementation is progressing. Sean Greene, the SBA's Associate Administrator for Investment and the Special Advisor for Innovation, announced that the innovation community should look for specific regulatory language to be released in late April 2012 regarding involvement of venture backed companies in the SBIR/STTR programs. Once SBA publishes proposed regulations, the public will have a 60-day comment period. SBA will then review the comments and make modifications to the regulatory language before the final regulations are published and an effective date set.

Follow CONNECT's Public Policy Efforts

 $We bsite: \underline{www.connect.org/programs/policy} - Twitter: @CONNECTPolicy \underline{\ http://bit.ly/AqDouc} - Facebook: \underline{\ Connect-Public-Policy} \underline{\ Sign-up for Policy eNewsletter: \underline{\ http://www.connect.org/programs/policy/enews-archive/public-Policy}. When the programs are the program are the p$



VENTURE CAPITAL INVESTMENT

San Diego Venture Capital (VC) Investment Trend: Funding Dollars Shift Toward Later Stage Deals in 4th Quarter 2011

Overall San Diego VC funding totaled \$829M in 2011 - down 5 percent from 2010

- In San Diego, the fourth quarter saw a 94 percent increase of VC investment dollars to later stage companies - from \$37 million in third quarter to \$131 million in fourth quarter, representing 49 percent of the total VC funding received in the fourth quarter
- Start-ups accounted for 2 percent of the total \$269 million in VC funding, up by 1 percent from the previous quarter, receiving \$5 million in the fourth quarter compared to slightly less than \$1 million received in third quarter of 2011
- Early stage companies accounted for 30 percent of the total VC funding while expansion stage companies received \$53 million in the fourth quarter, down substantially from almost \$93 million in the previous quarter

San Diego Life Science Sector Soars in VC Funding in 4th Quarter 2011

Overall, venture capitalists invested \$269 million in 23 deals in the San Diego region during the fourth quarter of 2011—up almost 25 percent from \$202 million invested in 21 deals in the third quarter. Venture investment in the fourth quarter of 2011 was also much higher compared to the amount invested by VCs in the same quarter last year when 30 local companies received \$221 million, according to the PricewaterhouseCoopers/National Venture Capital Association MoneyTreeTM quarterly report. San Diego ranked 6th in the nation in the fourth quarter of 2011, up from 10th in the third quarter of 2011.

VC INVESTMENT HIGHLIGHTS

- VC funding to San Diego companies up almost 25 percent in fourth quarter 2011 totaling \$269 million. San Diego VC funding totaled almost \$830 million across 104 deals for the year in 2011
- The life science sector (pharma/bio/medical devices) re-attained the top position in VC funding in the fourth quarter of 2011, after falling down to third position in third quarter, with 17 deals receiving \$193 million or 72 percent of the total VC funds invested in San Diego
- AnaptysBio, Inc. received \$34 million, while Elevation and Rempex Pharmaceuticals, Inc. received \$30 million and \$25 million, respectively
- Elevation Pharmaceuticals had also received \$9.6 million in the third quarter of 2011. In medical devices, BeneChill and Ophthonix, Inc. received \$15 million and \$14 million respectively
- Biotech deals accounted for 52.8 percent of the total VC funding received in the fourth
 quarter of 2011, and medical devices accounted for 19 percent, up from 11.2 percent and
 1.7 percent respectively compared to the total funds received in third quarter of 2011

CONNECT Innovation Report 04.11—



VC INVESTMENT HIGHLIGHTS

- The media and entertainment sector received the second largest investment with \$50
 million invested in one deal, Razer USA, Ltd., representing 18.6 percent of total funds
 invested in the fourth quarter of 2011. This represents an 88 percent increase in dollar
 amount compared to \$6 million invested in one deal in third quarter of 2011.
- Computers and Peripherals sector received the third largest VC investment during the fourth quarter of 2011 with \$19 million invested in one deal, Legend3D, Inc., representing 7 percent of total funds invested in the fourth quarter.
- Software sector dropped down from top position in the third quarter when six deals
 received \$98 million representing 48 percent of the total funds invested, to sixth position in
 the fourth quarter of 2011 with only one deal receiving close to \$2 million representing only
 0.7 percent of the total investment.
- Software fell slightly short behind telecommunications and semiconductor which came in fourth and fifth place respectively.

San Diego VC Investment Still Down Compared To Other Regions in 2011

When using a moving average of three quarters' data, San Diego continues to show a more substantial decline in venture investment relative to the other top five regions over the past three years. [A moving average can smooth quarter-to-quarter fluctuations to enable trend analysis.]

The San Diego fourth quarter 2011 VC investment moving average was down 46 percent from the fourth quarter of 2007, compared to 55 percent down in the third quarter of 2011, while Silicon Valley's moving average was up 4 percent.

LA/Orange County VC investment went up to 16 percent, exceeding pre-recession levels white average VC investment in the New York Metro region was up 54 percent in the fourth quarter of 2011 compared to the start of the recession in the fourth quarter of 2007.

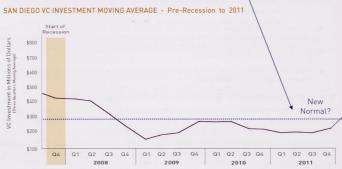
VC INVESTMENT MOVING AVERAGE BY REGION - 2010 to 2011





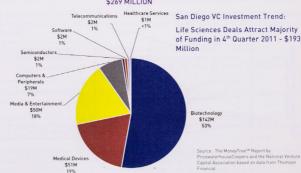
VENTURE CAPITAL INVESTMENT

Steve Hoey, CONNECT's director of business creation and development explains that "on the eve of the recession, venture capital in San Diego spiked higher than in other cities and as a result has a much steeper path to climb back. Last year, venture capital was approaching the level of where it was in 2005 and 2006, which might be close to the level where San Diego should be. What we likely are seeing in San Diego is a renormalization, or return to pre-2007 average investment levels."



ource: The MoneyTree™ Report by PricewaterhouseCoopers and the National Venture Capital Association based on data from Thomson Financial

SAN DIEGO VC INVESTMENTS BY INDUSTRY – 4TH QUARTER 2011 \$269 MILLION





VENTURE CAPITAL INVESTMENT

THE TOP 10 VC INVESTMENTS IN SAN DIEGO COMPANIES - 4TH QUARTER 2011

The three largest investments the fourth quarter of 2011 accounted for 42 percent of the total VC funding in San Diego, with the top 10 deals accounting for 86 percent of total funding.

Razer USA, Ltd	\$50.0 million	Anaphore, Inc.	\$15.0 million
AnaptysBio, Inc.	\$33.9 million	Super Green Biofuels, Inc.	\$15.0 million
Elevation Pharmaceuticals, Inc.	\$30.0 million	BeneChill, Inc.	\$14.8 million
Rempex Pharmaceuticals, Inc.	\$25.0 million	CoDa Therapeutics, Inc.	\$14.5 million
Legend3D, Inc.	\$19.0 million	Ophthonix, Inc	\$14.0 million

SOURCE: The MoneytreeTM Report by Pricewaterhousecoopers and the National Venture Capital Association based on data from Thomson Financial

VC FUNDING BY STAGE OF COMPANY DEVELOPMENT - 4TH QUARTER 2011

The STAGE OF DEVELOPMENT classifications used in the PwC/NVCA MoneyTree $^{\text{TM}}$ Report are as follows:

START-UP STAGE

The initial stage. The company has a concept or product under development, but is probably not fully operational. Usually in existence less than 18 months.

EARLY STAGE

The company has a product or service in testing or pilot production. In some cases, the product may be commercially available. May or may not be generating revenues. Usually in business less than three years.

EXPANSION STAGE

Product or service is in production and commercially available. The company demonstrates significant revenue growth, but may or may not be showing a profit. Usually in business more than three years.

I ATED CTACE

Product or service is widely available. Company is generating on-going revenue; probably positive cash flow. Is more likely to be, but not necessarily profitable. May include spin-offs of operating divisions of existing private companies and established private companies.

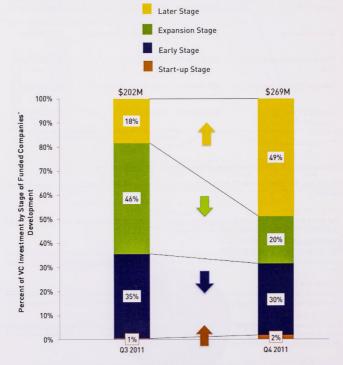
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VENTURE CAPITAL INVESTMENT

SAN DIEGO VC INVESTMENT TREND: VC Funding Dollars Shift To Later Stage Deals in the $4^{\rm th}$ Quarter of 2011

VC INVESTMENT IN SAN DIEGO COMPANIES BY STAGE OF DEVELOPMENT - Q3 2011 and Q4 2011

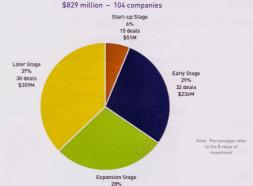


Source: The MoneyTreeTM Report by PricewaterhouseCoopers and the National Venture Capital Association based on data from Thomson Financial

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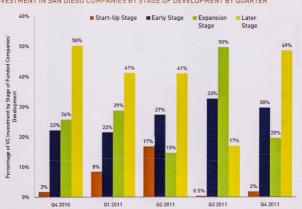
VENTURE CAPITAL INVESTMENT

SAN DIEGO VC INVESTMENTS BY STAGE OF DEVELOPMENT - 2011



27 deals \$233M

VC INVESTMENT IN SAN DIEGO COMPANIES BY STAGE OF DEVELOPMENT BY QUARTER





VENTURE CAPITAL INVESTMENT

VC Investment across San Diego Company Development Stages Was Consistent Between 2010 And 2011

VC INVESTMENT IN SAN DIEGO COMPANIES BY STAGE OF DEVELOPMENT - 2010 and 2011



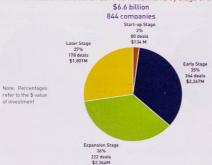
Source: The MoneyTree™ Report by PricewaterhouseCoopers and the National Venture Capital Association based on data from Thomson Financial

VENTURE CAPITAL INVESTMENT

Nationally, the Amount of VC Investment Going To Start-Ups Decreased By 25 Percent During the Fourth Quarter Of 2011 Compared To The Previous Quarter

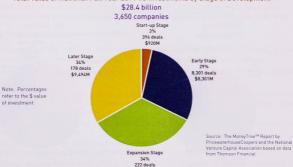
- Overall, VC investment was down 4 percent in the fourth quarter totaling \$6.6 billion invested in 844 deals
- National VC investment totaled more than \$28 billion in 2011, up 22 percent over 2010

Total Value of National Q4 2011 VC Investments by Stage of Development



Total Value of National Full Year 2011 VC Investments by Stage of Development

\$9,711M



CONNECT Innovation Report Q4.11-



VENTURE CAPITAL INVESTMENT

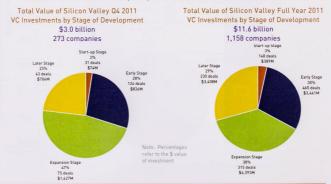
California Accounted for \$3.8 Billion, or 58 Percent, of the Total U.S. Venture Investment in the Fourth Quarter of 2011

· California VC investment totaled \$14.4 billion, up 23 percent over 2010



In Silicon Valley, Investment Was Up Slightly in the Fourth Quarter of 2011 over the Previous Quarter

. Total investment to Silicon Valley companies totaled \$11.6 billion in 1,158 deals



CONNECT Innovation Report Q4.1

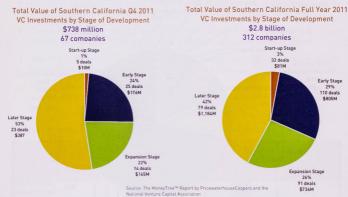


VENTURE CAPITAL INVESTMENT

Southern California VC Investment Up 18 Percent in 4th Quarter and 11 Percent in 2011

In the fourth quarter of 2011, 67 Southern California companies received \$738 million in VC investment, up 18 percent from the previous quarter. Overall, more than 310 Southern California companies received almost \$3 billion in VC investment in 2011, up 11 percent over 2010.

- Investment in later stage companies increased by 65 percent during the fourth quarter totaling \$387 million compared to \$134 million in the third quarter
- · Start-up and early stage deals represented a third of all deals



Southern California VC Investment Up in 2011

Venture investment in the Southern California region (Los Angeles, Orange County and San Diego) totaled almost \$2.77 billion in full year 2011, up by 11 percent from \$2.49 billion in 2010.

- Southern California companies received \$737 million in 67 deals in the fourth quarter of 2011
- Los Angeles/Orange County saw a 14.5 percent increase in VC investment during the fourth quarter of 2011 to \$469 million invested in 44 companies compared to \$401 million invested in 51 deals in the third quarter
- This was significantly lower compared to second quarter of 2011 when \$616 million was invested in 60 companies
- Industrial & energy (cleantech) and biotech sectors received the largest share of investment in 2011 with \$665 million and \$622 million, respectively
- Medical devices sector was third with \$417 million followed by software receiving \$275 million

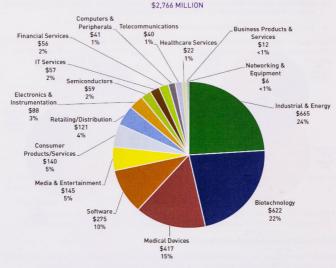
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VENTURE CAPITAL INVESTMENT

Southern California VC Investment Trend: Cleantech and Life Sciences Deals Attract Majority of Funding in 2011 - \$193 Million

SOUTHERN CALIFORNIA VC INVESTMENTS BY INDUSTRY FULL YEAR 2011



SOURCE: The MoneyTreeTM Report by PricewaterhouseCoopers and the National Venture Capital Association based on data from Thomson Financial



VENTURE CAPITAL INVESTMENT

 $4^{\rm th}$ Quarter 2011 Regional VC Ranking: San Diego Ranking Improves From $10^{\rm th}$ to $6^{\rm th}$ in Nation, Southern California Ranks as $3^{\rm rd}$ Largest Region

San Diego's regional ranking rose from tenth to sixth in the nation during the fourth quarter of 2011.

- Southern California (San Diego and LA/Orange Counties) ranked third nationally with VC investments of \$738 million for the fourth quarter, up 18 percent from the \$602 million in the third quarter of 2011.
- LA/Orange County ranked fourth nationally with VC investments of \$469 million for the third quarter, up 14.5 percent from the \$401 million in the third quarter of 2011
- Silicon Valley led the nation with more than \$3.0 billion in VC investment in the fourth quarter, up more than 12 percent from the investment level of the previous quarter
- New England climbed to second rank with \$777 million up nearly 25 percent over the third quarter
- New York Metro region ranked third with \$545 million down 39 percent from the third quarter while Texas region moved down to fifth rank with \$306 million down by nearly 49 percent.

REGIONAL VC INVESTMENT LEVELS - 3RD QUARTER 2011 VS. 4TH QUARTER 2011

Region	Q3 2011 Rank	Q4 2011 Rank	Q3 2011 VC Investment (in \$M)	Q4 2011 VC Investment (in \$M)	Percent Change
Silicon Valley	1	1	\$2,813	\$3,041	8%
New England	3	2	\$690	\$777	13%
New York Metro	2	3	\$909	\$545	-40%
LA/Orange County	5	4	\$436	\$469	8%
Texas	4	5	\$601	\$306	-49%
SAN DIEGO	10	6	\$217	\$269	24%
Midwest	7	7	\$291	\$201	-31%
Wash. DC/Metroplex	9	8	\$238	\$179	-25%
Southeast	8	9	\$241	\$177	-27%
Colorado	11	10	\$161	\$166	3%
Top 10 Reg	ions		\$6,597	\$6,130	-7%
UNITED ST	ATES		\$7,286	\$6,565	-10%

Source: CONNECT; The MoneyTree™ Report by PricewaterhouseCoopers and the National Venture Capital Association based on data from Thomson Financial.



VENTURE CAPITAL INVESTMENT

SUMMARY OF NATIONAL AND REGIONAL VC INVESTMENTS

Annual Comparison Quarter Comparison 2010 2011 2011 Region 2008 2009 2010 2011 04 Q3 04 Total (in Billions) \$19.7 \$5.5 \$7.3 \$6.6 States # of Deals 861 844 Average (in Millions) \$7.4 California \$3.8 Total (in Billions) \$14.4 \$10.8 \$11.7 \$14.4 \$2.8 \$3.5 Total 384 \$8.7 Northern \$3.0 Total (in Billions) \$11.2 \$8.1 \$9.2 \$11.6 \$2.2 \$2.8 CA # of Deals 1,281 968 1057 1158 268 300 Average (in Millions) \$8.8 \$8.7 \$8.3 \$9.4 Total (in Billions) \$2.8 \$2.5 \$0.5 \$0.7 \$0.74 \$3.1 \$2.8 CA # of Deals 84 San Total (in Billions) \$0.27 \$1.2 \$1.8 \$0.9 \$0.83 \$0.23 \$0.22 Diego # of Deals 109 104

Source: CONNECT; The MoneyTree™ Report by PricewaterhouseCoopers and the National Venture Capital



- a member of CONNECT

MERGER & ACQUISTION AND OTHER INVESTMENT ACTIVITY

Value of San Diego M&A Deals Almost Doubles in 2011 to \$6.6 Billion

Company merger and acquisition (M&A) activity in which San Diego companies were the target of acquisition almost doubled during 2011 compared to 2010.

- The value of reported M&A deals closed in the fourth quarter of 2011 in which a San Diego company
 was the merger or acquisition target totaled almost \$1.2 billion.
- In Southern California, the M&A target market in the fourth quarter fell 39 percent compared to the previous quarter while Northern California as a region fell 70 percent.

REGIONAL M&A DEALS: TARGET COMPANIES ACQUIRED – 4TH QUARTER 2011 and FULL YEAR 2011

Region		2010 Q4	2010	2011 Q3	2011 Q4	2011
Northern	Total Reported Value (in Millions)	\$9,207	\$56,566	\$16,338	\$4,877	\$62,218
CA	# of Closed Deals	174	860	219	191	806
Southern	Total Reported Value (in Millions)	\$13,301	\$43,697	\$11,429	\$6,940	\$38,900
CA	# of Closed Deals	224	788	229	219	827
San	Total Reported Value (in Millions)	\$1,680	\$3,859	\$1,970	\$1,233	\$6,615
Diego	# of Closed Deals	41	156	15	32	156

Southern California includes San Diego figures

Partners; commissioned by CONNECT



M&A AND OTHER INVESTMENT

Value of San Diego M&A Deals Almost Doubles in 2011 to \$6.6 Billion (cont'd)

Company merger and acquisition (M&A) activity in which San Diego companies were the target of acquisition almost doubled during 2011 compared to 2010.

- Deals in which San Diego companies were the buyers totaled \$1.1 billion in 40 deals during the fourth quarter of 2011.
- Southern California companies acquired \$9.2 billion and Northern California purchasers acquired more than \$32 billion in companies and assets in the fourth quarter.
- The San Diego acquirers primarily targeted firms outside California for purchase totaling \$951 million in the fourth quarter, as did Northern and other Southern California acquirers.
- Companies based outside of California acquired 379 California-based companies. Southern California companies accounted for the majority of the acquisitions[123 deals valued at \$4.1 billion] over Northern California [100 deals, valued at \$3.4 billion].
- Total California M&A activity for the fourth quarter of 2011 exceeded \$76 billion in 855 deals.

CALIFORNIA M&A DEALS: BUYERS AND TARGETS - 4TH QUARTER 2011

			Targets \								
		Norther	n California	Souther	n California	/ Sar	n Diego	Out	side CA	1	otal
	Buyers	Deals	Value (\$M)	Deals	Value (\$M)	Deals	Value (\$M)	Deals	Value (\$M)	Deals	Value
	Northern CA	68	\$680	12	\$170	2	\$47	138	\$31,577	220	\$32,474
	Southern CA	19	\$736	47	\$1,381	5	\$143	145	\$6,926	216	\$9,186
<	San Diego	4	\$41	5	\$60	3	\$58	28	\$951	40	\$1,111
	Outside CA	100	\$3,421	123	\$4,096	22	\$984	134	\$25,100	379	\$33,602
	Total	191	\$4,877	219	\$6,940	32	\$1,233/	445	\$64,555	855	\$76,373

Southern California includes San Diego figures.

Source: Capital IQ; ROTH Capital Partners;



M&A AND OTHER INVESTMENT (CONT'D)

TOP TEN SAN DIEGO REPORTED M&A DEALS - FULL YEAR 2011

Company	Industry	Reported Deal Value (in \$M)
Prometheus Laboratories Inc.	Healthcare Equipment	\$745.5
Manchester Grand Hyatt San Diego	Hotels and Resorts	\$669.8
Hotel del Coronado LP	Hotels and Resorts	\$590.0
Amira Pharmaceuticals, Inc.	Pharmaceuticals	\$475.0
Genoptix Inc.	Biotechnology	\$449.5
One Park Boulevard LLC	Real Estate	\$422.2
Excaliard Pharmaceuticals, Inc.	Biotechnology	\$316.0
Cypress Bioscience, Inc.	Pharmaceuticals	\$226.7
Anadys Pharmaceuticals, Inc.	Biotechnology	\$216.6
Continuous Computing Corporation	Telecommunications	\$123.9
Total 2011 Top 10 San Diego Reported M&A Deal Value		\$4,235.1
Total 2011 San Diego Reported M&A Deal Value		\$6,615.0

TOP TEN SOUTHERN CALIFORNIA REPORTED M&A DEALS - FULL YEAR 2011

Company	Industry	Reported Deal Value (in \$M)
Beckman Coulter Inc.	Healthcare/Medical Device	\$7,392.9
Nationwide Health Properties	Healthcare/Real Estate	\$7,330.7
Balboa Insurance Company	Insurance	\$1,200.0
BakerCorp	Environmental Products & Services	\$960.0
Macsteel Service Centers USA, Inc.	Metal Supply	\$918.0
Ameron International Corporation	Industrial Products	\$803.9
HCP Ventures II, LLC	Healthcare/Real Estate	\$789.0
Prometheus Laboratories	Healthcare/Medical Device	\$745.5
Manchester Grand Hyatt	Hotels and Resorts	\$669.8
Volcom Inc.	Apparel/Merchandise	\$607.6
Total 2011 Top 10 Southern California	\$21,418	
Total 2011 Southern California Reporte	ed M&A Deal Value	\$38,900

Source: Capital IQ; ROTH Capital Partners;



M&A AND OTHER INVESTMENT (CONT'D)

Private Placements Trend Down in 2011

The value of San Diego PIPE deals declined each quarter throughout 2011.

Private placements are often structured as PIPE transactions (see sidebar) as an alternative way for public companies to raise capital, and are usually considered a good sign for a public company. PIPE (transactions provide smaller and midsized public companies with a lower-cost and more efficient means of raising capital, when compared to more traditional forms of equity financing such as secondary offerings.

PIPE stands for Private Investment in Public Equities, PIPE transactions are also reterred to as private placements or direct placements in public companies. PIPE transactions are privately negotiated sales of companies' securities to individual accredited investors or institutional funds. Small and mid-size public companies often use PIPE financing because they can obtain capital from a PIPE transaction faster and more cheaply than in a public offering. Particularly over the past couple of years, as the markets have remained relatively closed to secondary financing, PIPEs have emerged as a stable and sustained source of equity capital for public companies of all sizes.

- PIPE transactions issued by San Diego companies fell to \$305 million in the fourth quarter of 2011 from \$422 million in the previous quarter
- ImageWare Systems, Inc. raised \$10 million in gross proceeds while Marshall Edwards, Inc. raised nearly \$2 million. San Diego PIPE deals represented 40 percent of the total deal value in Southern California in the fourth quarter

Similarly, PIPE transactions were down across the state in the fourth quarter of 2011.

- Southern California (including San Diego) companies issued 33 PIPE private placements statewide totaling \$74 million in the third quarter, down 61 percent from the \$190 million raised in 40 deals in the previous quarter
- In northern California, 22 companies closed private placement deals totaling over \$231 million, roughly the same as in the third quarter
- Overall, in the fourth quarter of 2011, California companies raised \$305 million in 55 PIPE deals, and \$2.7 billion in 234 for the full year 2011

PRIVATE PLACEMENTS BY REGION - PIPE DEALS BY QUARTER

Region	尤语恋爱你是多 爱	Q4 2010	Q1 2011	Q2 2011	Q3 2011	Q4 2011	Full Year 2011
Northern	Total Reported Value (in \$ Millions)	\$458	\$707	\$456	\$232	\$231	\$1,626
CA	# of Closed Deals	22	23	16	28	22	89
Southern	Total Reported Value (in \$ Millions)	\$482	\$474	\$347	\$190	\$74	\$1,084
CA *	# of Closed Deals	43	34	38	40	33	145
San	Total Reported Value (in \$ Millions)	\$90	\$301	\$70	\$55	\$12	\$438
Diego	# of Closed Deals	13	11	12	10	4	37
California	Total Reported Value (in \$ Millions) # of Closed Deals	\$940 65	\$1,181 57	\$802 54	\$422 68	\$305 55	\$2,710 234

Note: * Southern California PIPE totals include San Diego



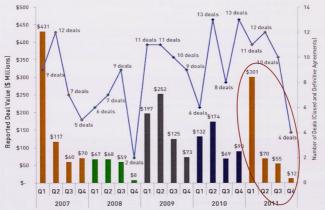
M&A AND OTHER INVESTMENT (CONT'D)

SAN DIEGO PRIVATE PLACEMENTS - PIPE DEALS: 4TH QUARTER 2011

Company	Industry	Reported Deal Value (in \$M)
Marshall Edwards Inc. (NasdaqCM:MSHL)	Biotechnology	\$2.0
ImageWare Systems Inc. (OTCPK:IWSY)	Application Software	\$10.0
CommerceTel Corp. (OTCBB:MFON)	Internet Software and Services	\$0.3
Imprimis Pharmaceuticals, Inc. (OTCPK:TDLP.D)	Pharmaceuticals	\$0.1
Fourth Quarter 2011 Total - San Diego PIPES	4 Deals	\$12.4

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT

SAN DIEGO PRIVATE PLACEMENTS - PIPE DEALS: 1ST QUARTER 2007 TO 4TH QUARTER 2011



Source: Capital IQ; ROTH Capital Partners; commissioned by



M&A AND OTHER INVESTMENT (CONT'D)

CALIFORNIA PRIVATE PLACEMENTS - PIPE DEALS: 1ST QUARTER 2007 TO 4TH QUARTER 2011



Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT

IPO Market Picks Up in the Fourth Quarter of 2011

The Initial Public Offering (IPO) market activity for California companies increased during the fourth quarter of 2011.

- Eight California companies went public in the fourth quarter of 2011 seven of them based in Northern California – raising almost \$2 billion.
- Only one Californian company went public in the third quarter raising \$315 million compared to
 - 12 companies that went public in the second quarter raising more than \$2.4 billion.

CALIFORNIA INITIAL PUBLIC OFFERINGS BY REGION - 4TH QUARTER 2011

Region	Reported Deal Value (in \$M)	Number of Deals
San Diego	\$0	0
Southern CA (incl. San Diego)	\$300	1
Northern CA	\$1,619	7
Fourth Quarter 2011 Total - California IPOs	\$1,919	8

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT



M&A AND OTHER INVESTMENT (CONT'D)

CALIFORNIA INITIAL PUBLIC OFFERINGS BY COMPANY - 4TH QUARTER 2011

Company	Description	Reported Deal Value (in \$M)	City	Region
Jive Software (NYSEGS:JIVE)	Application Software	\$161.3	Palo Alto	Northern CA
Intermolecular, Inc. (NYSEGS:IMI)	Semiconductor	\$96.5	San Jose	Northern CA
ZELTIQ Aesthetics, Inc. (NasdaqGS:ZLTQ)	Medical Technology	\$91.0	Pleasanton	Northern CA
Zynga, Inc. [NasdaqGS:ZNGA]	Home Entertainment Software	\$1,000.0	San Francisco	Northern CA
Ubiquiti Networks, Inc. (NasdaqGS:UBNT)	Communications Equipment	\$105.6	San Jose	Northern CA
Imperva Inc. (NYSE:IMPV)	Systems Software	\$90.0	Redwood Shores	Northern CA
InvenSense, Inc. (NYSE:INVN)	Electronic Components	\$75.0	Sunnyvale	Northern CA
Rentech Nitrogen Partners, L.P. (NYSE:RNF)	Fertilizers and Agricultural Chemicals	\$300.0	Los Angeles	Southern CA
Fourth Quarter 2011 Total - California IPOs	8 Deals	\$1,919.4	MAN GALLERY	

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT

2011 Saw Surge in IPO Activity Across California

- 29 California companies went public during 2011 two of them based in San Diego raising almost \$6 billion in total
- · Southern California IPOs raised \$2.8 billion in 10 deals
- 19 Northern California companies went public in 2011 raising \$3.1 billion
- Only nine Californian companies went public in 2010 raising \$1.3 billion

CALIFORNIA INITIAL PUBLIC OFFERINGS BY REGION - FULL YEAR 2011

Region	Reported Deal Value (in \$M)	Number of Deals
San Diego	\$729	2
Southern CA (incl. San Diego)	\$2,787	10
Northern CA	\$3,142	19
Full Year 2011 Total - California IPOs	\$5,929	29

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M&A AND OTHER INVESTMENT ICONTIDI

CALIFORNIA INITIAL PUBLIC OFFERINGS BY COMPANY - FULL YEAR 2011

Company	Description	Reported Deal Value (in \$M)	City	Region
ServiceSource Corporation (NasdaqGM:SREV)	IT Consulting	\$563.8	San Diego	San Diego
AcelRx Pharmaceuticals, Inc. (NasdaqGM:ACRX)	Pharmaceuticals	\$151.3	Santa Monica	Southern CA
Fluidigm Corporation (NasdaqGM:FLDM)	Life Sciences Tools	\$136.5	Santa Monica	Southern CA
The Active Network, Inc. (NasdaqGM:ACTV)	Internet Software	\$165.0	San Diego	San Diego
Air Lease Corporation (NYSE:AL)	Rental & Leasing Services	\$802.5	Los Angeles	Southern CA
Global Eagle Acquisition (NasdaqCM:EAGL)	Investment Bank	\$175.0	Los Angeles	Southern CA
Azteca Acquisition. (OTC BB:AZTA.OB)	Investment Bank	\$100.0	Beverly Hills	Southern CA
Boingo Wireless, Inc (NasdaqGM:WIFI)	Information Technology Services	\$77.9	Los Angeles	Southern CA
Wesco Aircraft Holdings, Inc. (NYSE:WAIR)	Industrials	\$315.0	Valencia	Southern CA
Rentech Nitrogen Partners, L.P. (NYSE:RNF)	Fertilizers and Agricultural Chemicals	\$300.0	Los Angeles	Southern CA
Full Year 2011 Total - Southern California IPOs	10 Deals	\$2,787.0		

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT

Five San Diego Companies Raised Almost \$600 Million in Follow-On Equity Financings in the Fourth Quarter 2011

In the fourth quarter of 2011 the underwritten follow-on public offering market (FPOs) saw 16 California companies raise \$1.9 billion in proceeds from the sale of additional share offerings to investors.

- Five San Diego County companies raised almost \$593 million in follow-on equity capital in the fourth quarter of 2011, almost double from the \$303 million raised by three companies in the previous quarter
- Southern California (including San Diego) accounted for more than half of the California deal value in the fourth guarter with more than \$1 billion in 12 follow-on deals
- Four Northern California companies raised more than \$880 million in the fourth quarter

CALIFORNIA FOLLOW-ON PUBLIC OFFERINGS BY REGION – 4TH QUARTER 2011

Region	Reported Deal Value (in \$M)	Number of Deals
San Diego County	\$592.5	5
Southern CA (incl. San Diego)	\$1,035.1	12
Northern CA	\$883.3	4
Fourth Quarter 2011 Total - California FPOs	\$1,918.4	16

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT



M&A AND OTHER INVESTMENT (CONT'D)

CALIFORNIA UNDERWRITTEN FOLLOW-ON PUBLIC OFFERINGS BY COMPANY - 4TH QUARTER 2011

Company	Description	Reported Deal Value (in \$M)	City	Region
Netflix, Inc. [NasdaqGS:NFLX]	Internet Retail	\$200.0	Los Gatos	Northern CA
Oculus Innovative Sciences, Inc. [NasdaqCM:OCLS]	Pharmaceuticals	\$2.1	Petaluma	Northern CA
LinkedIn Corporation (NYSE:LNKD)	Internet Software & Services	\$621.3	Mountain View	Northern CA
Dynavax Technologies Corporation [NasdaqCM:DVAX]	Biotechnology	\$60.0	Berkely	Northern CA
Bofl Holding Inc. (NasdaqGS:B0FI)	Financial	\$12.0	San Diego	Southern CA
Cadence Pharmaceuticals Inc. [NasdagGS:CADX]	Pharmaceuticals	\$71.3	San Diego	Southern CA
BioMed Realty Trust Inc. (NYSE:BMR)	Investment - Real Estate	\$404.3	San Diego	Southern CA
Adventrx Pharmaceuticals, Inc. (AMEX:ANX)	Biotechnology	\$17.0	San Diego	Southern CA
Encore Capital Group, Inc. (NasdaqGS:ECPG)	Financial	\$87.9	San Diego	Southern CA
Enova Systems Inc. (AMEX:ENA)	Auto Parts & Equipment	\$1.7	Torrance	Southern CA
Breitburn Energy Partners L.P. (NasdaqGS:BBEP)	Oil and Gas	\$115.1	Los Angeles	Southern CA
Hanmi Financial Corporation (NasdagGS:HAFC)	Financial	\$70.0	Los Angeles	Southern CA
Kennedy-Wilson Holdings, Inc. (NYSE:KW)	Investment - Real Estate	\$66.0	Beverly Hills	Southern CA
BBCN Bancorp, Inc. (NasdagGS:BBCN)	Financial	\$55.0	Los Angeles	Southern CA
Lions Gate Entertainment Corp. (NYSE:LGF)	Media & Entertainment	\$134.4	Santa Monica	Southern CA
Arrowhead Research Corp. (NasdaqCM:ARWR)	Biotechnology	\$0.4	Pasadena	Southern CA
Fourth Quarter 2011 Total - California FPOs	16 Deals	\$1,918.4		

Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT



M&A AND OTHER INVESTMENT (CONT'D)

San Diego Companies Raised \$1.7 Billion in Follow-On Offerings During 2011

SOUTHERN CALIFORNIA UNDERWRITTEN FOLLOW-ON PUBLIC OFFERINGS BY COMPANY - 2011

Company	Description	Reported Deal Value (in SM)
HCP, Inc. (NYSE:HCP)	Real Estate Investment Trust	\$1,107.0
Acacia Research Corporation (NasdaqGS:ACTG)	Patent Consulting Services	\$157.5
Colony Financial, Inc. (NYSE:CLNY)	Real Estate Investment Trust	\$259.0
Realty Income Corp. (NYSE:0)	Real Estate Investment Trust	\$261.1
Encore Capital Group, Inc. (NasdagGS:ECPG)	Financial Services	\$63.8
Optimer Pharmaceuticals, Inc. (NasdaqGM:OPTR)	Pharmaceuticals	\$67.5
Breitburn Energy Partners L.P. (NasdaqGS:BBEP)	Oil and Gas Exploration	\$91.4
Kratos Defense & Security Solutions, Inc. (NasdaqGS:KTOS)	Aerospace and Defence	\$56.3
Ardea Biosciences, Inc. (NasdagGS:RDEA)	Biotechnology	\$71.5
Quidel Corp. (NasdaqGS:QDEL)	Health Care Supplies	\$52.6
Excel Trust, Inc. (NYSE:EXL)	Real Estate Investment Trust	\$136.8
Breitburn Energy Partners L.P. (NasdaqGS:BBEP)	Oil and Gas Exploration	\$138.5
Wilshire Bancorp Inc. (NasdaqGS:WIBC)	Financial Services	\$100.0
Alexandria Real Estate Equities Inc. (NYSE:ARE)	Real Estate Investment Trust	\$415.3
DexCom, Inc. (NasdaqGM:DXCM)	Life Sciences - Medical Device	\$74.0
Hudson Pacific Properties, Inc. (NYSE:HPP)	Real Estate Investment Trust	\$101.6
Kilroy Realty Corp. (NYSE:KRC)	Real Estate Investment Trust	\$200.8
Zogenix Inc. (NasdaqGM:ZGNX)	Health Care	\$60.0
Realty Income Corp. (NYSE: 0)	Financial Services	\$214.2
Sabra Health Care REIT, Inc. (NasdagGS:SBRA)	Health Care Real Estate Investment Trust	\$150.0
Nationwide Health Properties, Inc.	Financial Services	\$113.2
BioMed Realty Trust Inc. (NYSE:BMR)	Investment - Real Estate	\$404.3
Cadence Pharmaceuticals Inc.	Pharmaceuticals	\$71.3
Encore Capital Group, Inc. (NasdagGS:ECPG)	Financial Services	\$87.9
Breitburn Energy Partners L.P. (NasdaqGS:BBEP)	Oil and Gas Exploration	\$115.1
Hanmi Financial Corporation (NasdaqGS:HAFC)	Financial Services	\$70.0
Kennedy-Wilson Holdings, Inc. (NYSE:KW)	Investment - Real Estate	\$66.0
BBCN Bancorp, Inc. (NasdaqGS:BBCN)	Financial Services	\$55.0
Lions Gate Entertainment Corp. (NYSE:LGF)	Media & Entertainment	\$134.4
2011 San Diego Deals > \$50M	13 Deals	\$1,621.3
2011 Total - San Diego Follow On Public Equity Offerings	ALCON IN THE CONTRACT OF THE C	\$1,739.6
2011 Southern California Deals > \$50M	29 Deals	\$4,896.0
2011 Total - Southern California Follow On Public Equity Offer	ings	\$5,235.5



Source: Capital IQ; ROTH Capital Partners; commissioned by CONNECT

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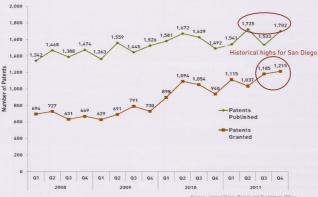


PATENT ACTIVITY

San Diego Patent Activity Hits All-Time High in 2011

- 1,215 patents were granted in the fourth quarter of 2011 in San Diego County a historical high for the region, and up almost 30 percent from the 940 granted in the fourth quarter of 2010.
- 1,702 patent applications published were up in the fourth quarter of 2011 in San Diego, almost equaling 11 percent the 1,725 in the second quarter of 2011, which was an all-time high for the region.
- New initiatives by the U.S. Patent and Trade Office aim to reduce patent backlog and quicken the pace of patent examination, which would greatly benefit tech entrepreneurs aiming to secure the intellectual property of their innovations.

SAN DIEGO PATENT ACTIVITY - 1ST QUARTER 2008 TO 4TH QUARTER 2011



Source: United States Patent and Trademark Office; UC San Diego Extension: commissioned by CONNECT

U.S. Patent and Trade Office Director David Kappos outlined the progress and plans for future initiatives to speed the pace of patent examination at a CONNECT Public Policy forum in December 2011. In his recent public blog, Kappos commented, "For the first time in several years, the Patent and Trademark Office was able to reduce the backlog of unexamined patent applications to below 665,000, a remarkable achievement considering the five percent increase in patent applications filings in FY2011. Through improved practices and processes, we are on track to push the backlog down even further, helping deliver new technologies to the marketplace faster, which in turn spurs job creation and drives economic growth for our country."

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PATENT ACTIVITY (CONT'D)

"The recent USPTO initiatives have clearly led to positive differences in how the USPTO is operating. Those initiatives have definitely led to the USPTO granting patents at a faster pace. That trend is evidenced by the increase in the pace of patents granted for San Diego inventors and entrepreneurs, which has been accelerating since early 2009. Successfully securing their intellectual property is critical for technology companies' success in attracting capital investment and protecting their innovations," said Richard Campbell, leader of the patent prosecution and counseling practice at Procopio, Cory, Hargreaves & Savitch LLP.

In September 2011, President Obama signed into law the <u>America Invents Act</u>. This sweeping legislation equips the USPTO with the resources necessary to operate an efficient IP system that processes patent applications and issues high-quality patents quickly. By transitioning to a simpler, more objective, and more inventor-friendly system of issuing patents, the new law helps ensure that independent inventors and small entities have greater clarity and certainty over their property rights and will be able to navigate the patent system on a more equitable footing with large enterprises.

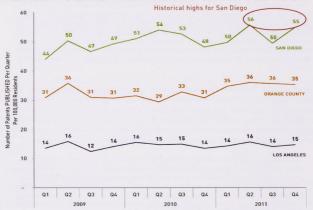
"The AIA also allows the USPTO to implement a fast-track examination option under which the patent examination process will be completed within 12 months. Getting a key patent can be critical to an entrepreneur hoping to raise capital and grow their business, with 76 percent of startups in the US reporting that venture capital investors consider patents when they make funding decisions. So with over 2,000 applications already submitted under the new acceleration program, many hundreds of office actions mailed and over 20 notices of allowance, businesses of all sizes are already leveraging the new tool to develop, grow and market their products and services with unprecedented swiftness, under the AIA," commented Director Kappos.

- San Diego continued to lead the Southern California region in the fourth quarter of 2011 in terms of patent density measured by the number of patents published and granted per 100,000 residents over the past three years
- The number of patent applications published rose in San Diego and Los Angeles Counties during the fourth quarter of 2011; Orange County patent applications published dipped very slightly in the fourth quarter



PATENT ACTIVITY (CONT'D)

PATENT DENSITY PER QUARTER - PATENT APPLICATIONS PUBLISHED: Q1 2008 TO Q4 2011



PATENT DENSITY PER QUARTER - PATENTS GRANTED: Q1 2008 TO Q4 2011

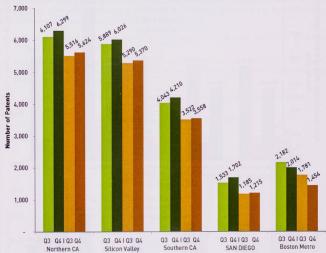




PATENT ACTIVITY (CONT'D)

Patent Activity Up Across California in 2011

PATENTS PUBLISHED AND GRANTED BY REGION - 3RD QUARTER 2011 vs. 4TH QUARTER 2011



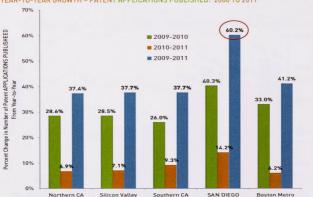
Source: United States Patent and Trademark Office; JC San Diego Extension; commissioned by CONNECT

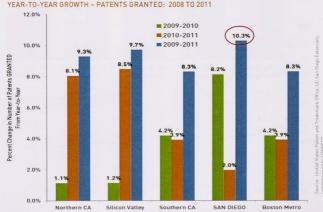


PATENT ACTIVITY (CONT'D)

San Diego Leads California in Patent Growth During Last Two Years

YEAR-TO-YEAR GROWTH - PATENT APPLICATIONS PUBLISHED: 2008 TO 2011







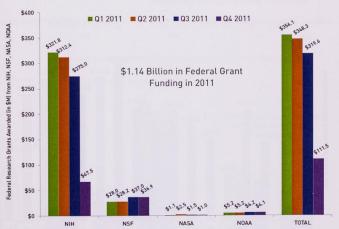
FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA

Federal Research Funding Down Slightly In 2011; NIH Funding Drops Sharply In Fourth Quarter

San Diego's federal research grant funding from the National Institutes of Health (NIH), National Science Foundation (NSF), National Aeronautics and Space Administration (NASA) and National Oceanic and Atmospheric Administration (NOAA) and Department of Defense SBIR/STTR funding totaled more than \$1.1 billion in 2011, down 15 percent from \$1.3 billion in 2010.

- NSF funding hit new highs in the latter half of 2011 to total more than \$130 million in research grants for San Diego
- NIH funding to San Diego organizations was down sharply [-75 percent] in the fourth quarter as a result of the agency operating under a continuing budget resolution - further reductions are anticipated in 2012

FEDERAL RESEARCH GRANTS RECEIVED IN SAN DIEGO - NIH, NSF, NASA AND NOAA



Source: NIH, NSF; NASA; NOAA; UC San Diego Extension; commissioned by CONNECT

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FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

NIH Funding Declines Sharply Due To Agency Operating On a Continuing Resolution

- In the fourth quarter of 2011, San Diego research institutions and innovation companies received more than \$67.5 million in NIH funding
- This dramatic drop from previous quarters was due to the agency operating under a Continuous Resolution (CR) signed by President Obama on November 19, 2011, essentially operating without an approved budget
- The CR continued government operations through December 16, 2011 at the FY 2011 level minus 1.5 percent
- Until FY 2012 appropriations are enacted, NIH issued non-competing research grant awards at a level below that indicated on the most recent Notice of Award
- Spending cuts will further impact NIH funding as the government's efforts at deficit reduction bite deep into research grant awards

FEDERAL RESEARCH GRANTS RECEIVED IN SAN DIEGO - NIH 1ST QUARTER 2008 TO 4TH QUARTER 2011



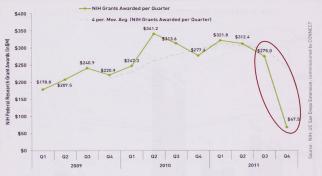
Source: NIH; UC San Diego Extension; commissioned by CONNECT

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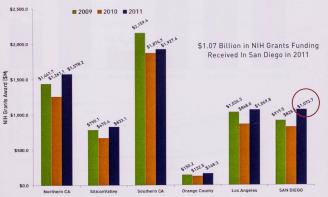


FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

FEDERAL RESEARCH GRANTS RECEIVED IN SAN DIEGO - NIH 1st QUARTER 2009 TO 4TH QUARTER 2011



NIH GRANTS FUNDING RECEIVED – SAN DIEGO AND SELECTED REGIONS 2009 TO 2011



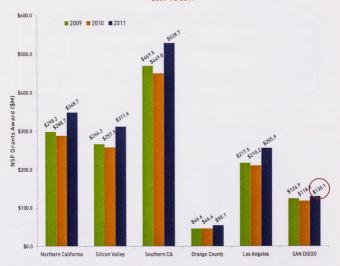
Source: NIH; UC San Diego Extension; commissioned by CONNECT



FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

\$130 Million in NSF Grants Funding Received in San Diego In 2011 - New High

NSF GRANTS FUNDING RECEIVED – SAN DIEGO AND SELECTED REGIONS 2009 TO 2011

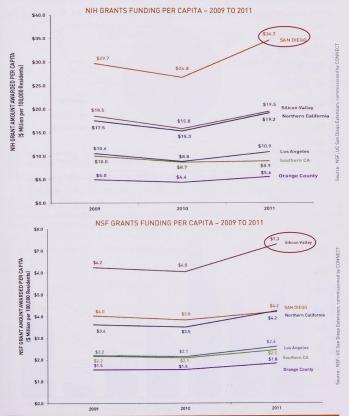


Source: NSF; UC San Diego Extension; commissioned by CONNECT



FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

San Diego Leads California in NIH Funding Per Capita; Silicon Valley Leads NSF Funding Per Capita in 2011





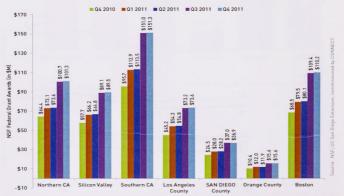
FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

San Diego received more than \$6 million in federal research funding from National Oceanic and Atmospheric Administration (NOAA), and \$1 million from NASA in the fourth guarter of 2011.

FEDERAL RESEARCH GRANTS RECEIVED IN SAN DIEGO - NSF, NOAA AND NASA Q1 2008 TO Q4 2011



NSF FUNDING RECEIVED - SAN DIEGO AND SELECTED REGIONS

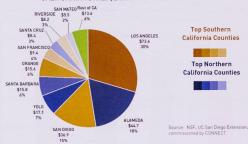


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FEDERAL RESEARCH GRANTS: SAN DIEGO AND CALIFORNIA (CONT'D)

NSF FUNDING RECEIVED - TOP TEN CALIFORNIA COUNTIES - 4TH QUARTER 2011 CALIFORNIA TOTAL: \$249M



San Diego innovation companies received \$5.7 million in Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program grants in the fourth quarter of 2011.

- San Diego as a region received \$30.5 million in SBIR/STTR funding during 2011
- All regions have shown a marked reduction in SBIR/STTR funding during that past year

Through these two competitive programs, the U.S. Small Business Administration (SBA) Office of Technology ensures that the nation's small, high tech, innovative businesses are a significant part of the federal government's defense technology research and development efforts. SBIR/STTR funding is only a small portion of total federal Department of Defense spending in the San Diego region.

REGIONAL DEPARTMENT OF DEFENSE SBIR/STTR FUNDING - Q1 2008 TO Q4 2011





PRIVATE RESEARCH ORGANIZATION EMPLOYMENT AND WAGES

San Diego Leads California in Private Research Organization Employment

- San Diego private research organizations employed almost 30,000 workers according to the most recently available data from the U.S. Department of Labor (Q2 2011)
- Santa Clara ranked second with more than 19,000 and Los Angeles was third with slightly more than 17,000
- Southern California private research organizations employed almost 57,000 employees in the second quarter of 2011 compared to the 54,000 employees in the northern California region
- Southern California, Silicon Valley and Boston have the greatest concentrations of private research organization employment in the nation

TOP 10 COUNTIES IN CALIFORNIA RANKED BY PRIVATE RESEARCH ORGANIZATION EMPLOYMENT 2ND QUIARTER 2011



Latest quarter data available Q2 2011

Source: Quarterly Census of Employment, U.S. Bureau of Labor Statistics; UC San Diego Extension; commissioned by CONNECT

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PRIVATE RESEARCH ORGANIZATION EMPLOYMENT AND WAGES

REGIONAL PRIVATE RESEARCH ORGANIZATION EMPLOYMENT - 2ND QUARTER 2011



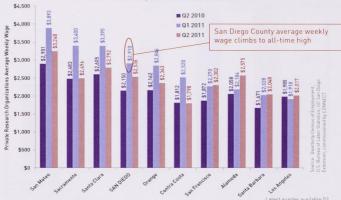
ource: Quarterly Census of mployment, U.S. Bureau of abor Statistics; UC San lego Extension;

- San Diego's private research organization average weekly wage climbed to its highest level (\$2,910/week) for the first quarter of 2011 and dropped back to \$2,546/week in the second quarter
- San Diego County private research organization wages ranked fourth highest in California in the second quarter of 2011 behind San Mateo (\$3,248/week), Santa Clara (\$2,792/week) and Alameda Counties (\$2,575/week), and higher than Boston (\$2,589/week)



PRIVATE RESEARCH ORGANIZATION EMPLOYMENT AND WAGES

PRIVATE RESEARCH ORGANIZATION AVG. WEEKLY WAGES - TOP TEN COUNTIES IN CALIFORNIA 2^{NO} Quarter 2011 Compared to Previous Quarter and Year



Latest quarter available Q2

REGIONAL PRIVATE RESEARCH ORGANIZATION AVERAGE WEEKLY WAGES 2ND QUARTER 2010 versus 2ND QUARTER 2011



APPENDIX



APPENDIX: SUMMARY TABLES - NEW INNOVATION COMPANIES

CALIFORNIA

CONNECT Innovation Report:	Sumn			Calif	ornia :			chnoto	ogy Co			U/ 10	2011							_	_				ш
		20				20				20				20				20					Annual		_
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2007	2008		2010	
TOTAL	383	423	866	1,319	414	473	730	590	476	729	617	700	357	597	736	660	597	675	592		2,991	2,197		2,350	2,4
Pharma/Bio/Medical	58	83	166	356	69	78	166	128	84	186	138	162	71	102	199	136	93	110	115	121	663	441	570	508	4
Communications	57	62	133	132	44	54	128	111	86	90	103	98	62	100	139	113	123	145	107	80	384	337	377	414	- 6
Computer & Electronics	-54	64	161	412	109	112	113	90	74	122	106	125	53	82	92	100	43	94	104	90	691	424	427	327	3
Defense and Transportation	20	26	16	30	19	25	20	41	29	28	24	31	20	36	21		30	32	27	34	92	105	112	108	
Environmental Technology	29	18	38	38	25	30	42	23	39	67	48	40	26	45	37	48	35	33	27	38	123	120	194	156	1
Recreational Goods Manufacturing	9	15	15	17	14	9	29	18	17	15	6	13	9	21	29	55	45	32	20		56	70	51	114	-1
Software	156	155	337	334	134	165	232	169	147	221	192	231	116	211	219	177	228	229	192	238	982	700	791	723	8
PERCENT OF TOTAL:	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		100%	100%	100%	100%	100%	100%	100%	
Pharma/Bio/Medical	15%	20%	19%	27%	17%	16%	23%	22%	18%	26%	22%	23%	20%	17%	27%	21%	16%	16%	19%	20%	22%	20%	23%	22%	18
Communications	15%	15%	15%	10%	11%	11%	18%	19%	18%	12%	17%	14%	17%	17%	19%	17%	21%	21%	18%	13%	13%	15%	15%	18%	13
Computer & Electronics	14%	15%	19%	31%	26%	24%	15%	16%	16%	17%	17%	18%	15%	14%	13%	15%	7%	14%	18%	15%	23%	19%	17%	14%	13
Defense and Transportation	5%	6%	2%	2%	5%	5%	3%	7%	- 6%	4%	4%	4%	8%	- 6%	3%	.5%	5%	-5%	5%	6%	3%	5%	4%	5%	B
Environmental Technology	8%	-4%	4%	3%	6%	6%	6%	4%	8%	9%	8%	6%	7%	8%	5%	7%	6%	5%	5%	6%	4%	5%	8%	7%	5
Recreational Goods Manufacturing	2%	4%	2%	1%	3%	2%	4%	3%	4%	2%	1%	2%	3%	4%	4%	8%	8%	5%	3%	2%	2%	3%	. 2%	5%	-
Software	41%	37%	39%	25%	32%	35%	32%	29%	31%	30%	31%	33%	32%	35%	30%	27%	38%	34%	32%	39%	33%	32%	31%		34
					1008/	2008/	3008/					4Q09/					1011/				2008/				
Annual Change:					1007	2007	3007	4007	1008	2008	3008	4008			3009	4009	1010/		3010	4010	2007		2009	2010	
Number Change					31	50	-136	-739	62	256	-113	120	-119	-132	119	-40	240	78	-144	-44	-794	325	-172	130	
TOTAL					8%	12%	-16%	-56%	15%	54%	-15%	21%		-18%	19%	-6%	67%	13%	-20%	-7%	-27%	15%	-7%	6%	
Pharma/Bio/Medical					19%	-6%	0%	-64%	22%	138%	-17%	27%	-15%	-45%	44%	-16%		8%	-42%	-11%	-33%	29%	-11%	-14%	
Communications					-23%	-13%	-4%	-16%	95%	67%	-20%	-12%	-28%	11%	35%	15%	98%	45%	-23%	-29%	-12%	12%	10%	10%	
Computer & Electronics					102%	75%	-30%	-78%	-32%	9%	-6%	39%	-28%	-33%	-13%	-20%	-19%	15%	13%	-10%	-39%	1%	-23%	1%	
Defense and Transportation					-5%	-4%	25%	37%	53%	12%	20%	-24%	-31%	29%	-13%	0%	50%	-11%	29%	10%	14%	7%	-4%	14%	
Environmental Technology					-14%	67%	11%	-39%	56%	123%	14%	74%	-33%	-33%	-23%	20%	35%	-27%	-27%	-21%	-2%	62%	-20%	-15%	
Recreational Goods Manufacturing					56%	-40%	93%	6%	21%	67%	-79%	-28%	-47%	49%	383%	323%	400%	52%	-31%	-73%	25%	-27%	124%	-2%	
Software					-14%	6%	-31%	-49%	10%	34%	-17%	37%	-21%	-5%	14%	-23%	97%	9%	-12%	34%	-29%	13%	-9%	23%	
	100				1008/				1009/								1011/								
								2002/	400B	1009	2009/						4010	1011	2011	3011					
Quarter Change:		1007/	2007/	3007/	4007/	10007																			
Quarter Change: Number Change		1007/	2007/ 443	453	-905	59	257	-150	-104	253	-112	83	-343	240	139	-76	-63	78	-83	24					
Number Change TOTAL				453 52%	-905 -69%	59 14%	257 54%	-150 -21%	-18%	53%	-15%	13%	-49%	67%	23%	-10%	-10%	13%	-12%	4%					
Number Change		40	443	453	-905 -69%	59	257	-150	-18%								-10%			4% 5%					
Number Change TOTAL		10%	443	453 52%	-905 -69% -81%	59 14%	257 54%	-150 -21%	-18%	53%	-15% -26% 14%	13% 17% -5%	-49% -56% -37%	67% 44% 61%	23% 95% 39%	-10%	-10% -32% 9%	13% 18% 18%	-12% 5% -26%	4% 5% -25%					
Number Change TOTAL Pharma/Bio/Medical		40 10% 43%	443 105% 100%	453 52% 114%	-905 -69% -81% -67%	59 14% 13% 23% 3%	257 54% 113%	-150 -21% -23% -13% -20%	-18% -34% -23% -18%	53% 121% 5% 65%	-15% -26%	13%	-49% -56%	67% 44%	23% 95%	-10% -32%	-10% -32% 9% -57%	13% 18% 18%	-12% 5% -26%	4% 5%					

Software SAN DIEGO

Environmental Technology

		2005								20	07			20	80			20				20				201			Annual						
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	áth	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2005	2006	2007		2009		
TOTAL	48		93			56	55	49	39	52	104	137	46	67	97		66	101	78	74	35	64	94	84	70	76	91	75	332	241	332	282	319	277	31
Pharma/Bio/Medical	17	24	28	38	18	13	14	16	9	19	28	40		21	30	22	19	37	29	25	8	15	33	15	11	13	22	21	107	61	96	85	110	. 71	6
Communications	2	14	26	2	15	7	9	6	6	- 8	- 8	14	- 4	7	15	12	12	14	9	9	7	10	16	15	17	12	17	8	44	37	36	38		48	- 5
Computer & Electronics	6	14	6	13	7	10	6	4	4	9	19	43	- 6	10	14	4	4	12	- 5	4	7	5	10	14	2	8	7	7	37	27	75	34	25	36	2
Defense and Transportation	0				6		4	- 4	0	0	- 2		-3		2	4	- 4		-1	0	0		0	6	- 4		6	1	6	15	4	11	5	. 9	1
Environmental Technology	8	16	6	9	2	10	7	3	2	0	8	4	3	3	6	4	3		6	4	1	3	3	3	2	6	6	7	39	22	14	16	25	10	2
Recreational Goods Manufacturing	0	0	0	- 0	1	0	0	0	3	3	2	0	- 3	3	5	3	2	6	2	2	- 1	3	8	11	7	9	6	3	0	1	8	14	10	23	
Software	15	32	26	26	32			16	15	13	37	34		21	25	23	22		26	30	11	25	24	20	27	27	27	28	99	78	99	84	100	80	10

30% - 38% - 88% - 32% - 20% - 10% - 10% - 27% - 31% - 10% - 27% - 38% - 80% - 42% - 48% - 38% - 33% - 73% - 10% - 20% - 25% - 38% - 11% - 20% - 33% - 33% - 23% - 33% -

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TOTAL quarter change		54	-9	-4	-8	-25	-1	-0		13	5.				1 2	30	-20			-23		-38					14	- 6		-16								
Pharma/Bio/Medical		7	4	10	-20	-5	1	2	-7	10	1	1	2 -2	3	9	9	-8	-3	18	-8	-4	-17	2	7 1	8 -	18	4	2	9	-1								100
Communications		12		-24	13	do	2	-3	0	2			6 -1	0	3	8	-3	0	2	-5	0	-2	- 2	3	6	-1	2	-5	- 5	-9								
Computer & Electronics		8	-10	9	-8	3	-4	-2	0	. 5	10	2	4 3	7	4	4	-10	0	- 8	-7	-	3	N	2	5	4		- 6		0								
Defense and Transportation		2	1	-2	5	-5	3	0	4	(0	1 -	4	0	2	0	4	- 1	-1	0	3	3 -	3	6	-2	-3	5	-5								
Environmental Technology		8	-10	3	-7	8	-3	4	-1	1.3		3	4 -	1	0	3	-2	-1	9	-6	-2	-3		2	0	0	-1	-4	0	1								
Recreational Goods Manufacturing		0	.0	0	1	-1	0	0	3		-	1	2	3	0	2	-2	-1	2	-2	0	-1	- 2	2	5	3	4	2	-3	-3								
Software		17	-8	0	0			1	-1	-2	24		3 -1		6	4	-2	-1	0	-4	-4	-19			1	4	7	0	0	1		100						
TOTAL annual change							-38			-4	46	8	8	7 1	5	-7	-85	20	34	-19	- 2	-31					35	12	-3	-0		-9		91	-50	37		
Pharma/Bio/Medical					1	-11	-14	-22	-6		14	2	4	3	2	2	-18	7	16	-1	3	-11	-22	2	4 -	10	3	-2	-11	-6			8	35	-11	25	-39	-
Communications	2				13	-7	-17	4	-9	1	1		8 -	2 -	1	7	-2	- 8	7	-8	-3	-5	-		7	8	10			-7				-1		- 6	4	
Computer & Electronics					1		2	-9	-3	1	13		9	2	1	-5	-39	-2	2	-9	0	3	-7	1	5	10	-5	3	-3	-7			0	48	41	-9	- 11	-12
Defense and Transportation					0	-1	1	3	-6	-1	1		2	3	2	0	2	- 1	-2	-1	-4	-4	3	3 .	1	8	4	-2	6	-8			9 .	11	7	-8	4	- 1
Environmental Technology					-8	1	1	-6	0	-10			1	1	3	-2	0	0	9	0	0	-2	-6	9	3	-1	1	3	3	- 4		100	7	-8		9	-15	
Recreational Goods Manufacturing					-1	0	0	0	2	3		2		0	0	3	3			-3	-1	-1	-1		6	9	6	6	-2	-8			1	7	6	-4	13	
Software					17	-17	-11	-10	-17	1.5	2	2 1	8	0	8 -	12	-11	7	1	1	7	-11	- 3	3 -	2 -	10	16	2	3	8		-2	1	21	-15	16	-20	25



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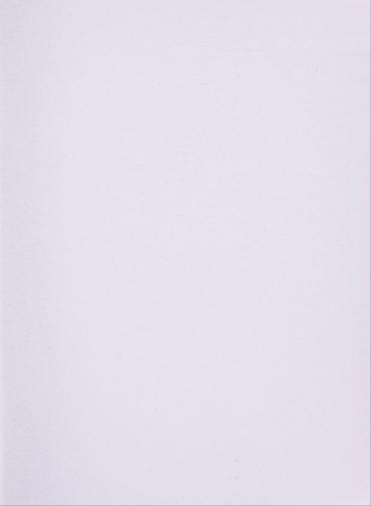
The CONNECT Innovation Report is available online at http://www.connect.org/programs/connect-track/

Jessie Womble

Associate Director, Public Policy











Catalyzing Innovation in San Diego

provides a set of indicators of the strength and impact of the innovation economy in San Diego versus other areas of the state or country depending upon the indicator.

It demonstrates that San Diego is a leading center for innovation because of the region's world-class research, leadership and management talent.

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