

Biotech as an employer

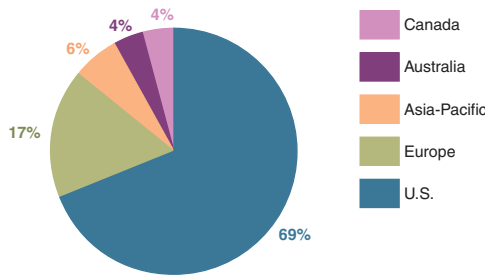
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According to a recent survey in *Science* (http://sciencecareers.sciencemag.org/career_development/previous_issues/articles/2006_11_03/life_scientists_report_rising_salaries_and_high_job_satisfaction/), on average, life science PhDs working in industry made \$116,000 last year—up ~10% over 2005. Median salaries, which filter out the extremes,

are more modest: for doctorate-level scientists working in biotech, a salary of ~\$100,000 falls around the middle of the pack (almost one-third higher than in 2001). Globally, >130,000 R&D staff work in biotech and ~200,000 people are employed in research and business capacities at public biotech companies.

Employment at public biotech companies by region

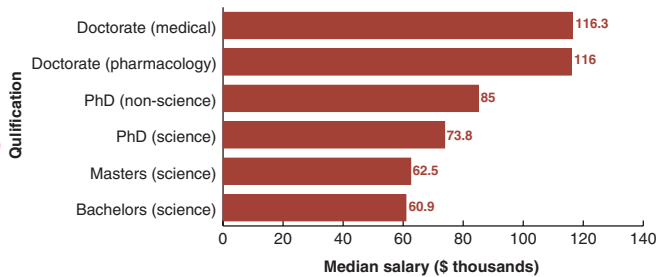
Of the almost 200,000 employees at public biotech companies, about 70% are in the US.



Based on 2005 data, except for US which is 2004. Source: Ernst & Young

Median salary by highest degree earned

Advanced medical and pharmacology degrees (and even a non-science PhD!) carry a substantial premium over a science PhD.



Data for 2006. Source: *The Scientist*

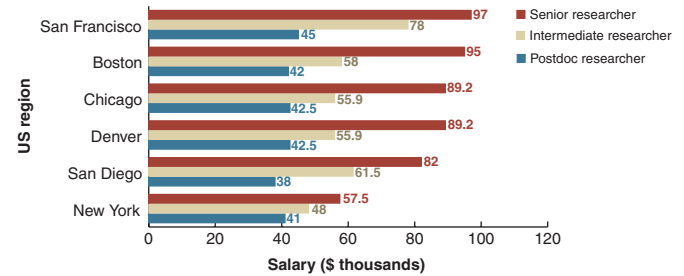
Distribution of biotech employees at private and public companies

	Private employees	Public employees	Percentage of biotech employees at private firms
United States	75,767	105,362	42
Germany	10,445	3,794	73
United Kingdom	8,112	10,167	44
France	4,790	3,422	58
Denmark	3,255	15,155	18
Switzerland	2,995	2,991	56
Sweden	2,873	1,434	67
Netherlands	1,596	770	67
Belgium	1,265	1,342	49
Finland	1,010	933	77
Norway	835	50	94
Europe	36,670	40,543	47
Total	112,437	145,905	54

Data for 2004. Source: Critical I

Life science median salary by position and US region

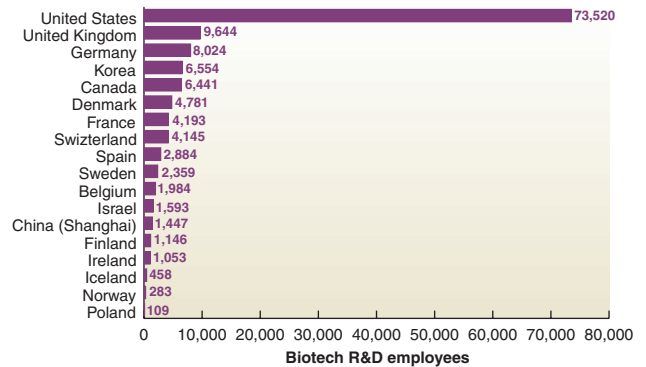
San Francisco, with its high cost of living and strong life sciences sector, ranks the highest in pay across the board.



Data for 2006. Source: *The Scientist*

Number of biotech R&D employees

According to OECD, >130,000 employees are engaged around the globe in biotech R&D, ~56% of them in the US.



Data for 2003 and 2004. Source: Organisation for Economic Co-operation

Employee productivity at big biotech versus pharma

Type of employer	Number of employees	Company revenue per employee (\$ thousands)
Top five biotech		
Amgen	14,300	841
Genentech	7,646	868
Genzyme	7,000	371
Chiron	5,400	356
Biogen Idec	4,266	557
Top five pharma		
Pfizer	115,000	446
Johnson & Johnson	109,900	461
Merck	62,600	351
Eli Lilly	44,500	329
Bristol-Myers Squibb	43,000	447

Data as of Dec 2004. Source: Ernst & Young