

Top 20 translational researchers in 2013

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We present a ranking of researchers based on paper and patent output. Patent analytics firm IP Checkups counted patents assigned to faculty members at their current affiliations who were corresponding authors on the ~200 research papers highlighted in 2013 in *SciBX*, a weekly publication that scans 50 select journals for articles of translational interest.

The rankings, of the top senior (Table 1) and junior faculty (Table 2), are biased to favor researchers who have been at their current affiliation for an extended period. Figure 1 shows the area of research focus for papers highlighted in *SciBX* in 2013. Cancer dominated at nearly 30% of the highlighted papers; other areas of interest included fibrosis and the microbiome.

Table 1 Top translational researchers in 2013, ranked by total patents at their current affiliation.

Professor, affiliation	SciBx paper(s)	Patents		
		US	Europe	Total
Peter G. Schultz, The Scripps Research Institute, La Jolla, Calif.	Deshmukh, V.A. <i>et al. Nature</i> 502 , 327–332 (2013). •Wang, F. <i>et al. Proc. Natl. Acad. Sci. USA</i> 110 , E2510–E2517 (2013).	81	12	93
James M. Wilson, Perelman School of Medicine at the University of Pennsylvania, Philadelphia	Limberis, M.P. <i>et al. Sci. Transl. Med.</i> 5 , 187ra72 (2013).	62	28	90
Guillermo J. Tearney, Massachusetts General Hospital and Harvard Medical School, Boston	Gora, M.J. <i>et al. Nat. Med.</i> 19 , 238–240 (2013).	67	16	83
Stuart L. Schreiber, Broad Institute of MIT and Harvard, Cambridge, Mass.	Basu, A. <i>et al. Cell</i> 154 , 1151–1161 (2013).	53	2	55
Mark E. Davis, California Institute of Technology, Pasadena, Calif.	Wiley, D.T. <i>et al. Proc. Natl. Acad. Sci. USA</i> 110 , 8662–8667 (2013).	44	5	49
Atsushi Miyawaki, RIKEN Brain Science Institute, Saitama, Japan	Kumagai, A. <i>et al. Cell</i> 153 , 1602–1611 (2013).	27	15	42
William R. Jacobs Jr., Albert Einstein College of Medicine of Yeshiva University, Bronx, N.Y.	Wang, F. <i>et al. Proc. Natl. Acad. Sci. USA</i> 110 , E2510–E2517 (2013).	37	2	39
Adolfo García-Sastre, Icahn School of Medicine at Mount Sinai, New York	Langlois, R.A. <i>et al. Nat. Biotechnol.</i> 31 , 844–847 (2013).	31	7	38
Richard A. Young, Whitehead Institute for Biomedical Research, Cambridge, Mass.	Whyte, W.A. <i>et al. Cell</i> 153 , 307–319 (2013). •Lovén, J. <i>et al. Cell</i> 153 , 320–334 (2013).	30	7	37
Alexander Levitzki, The Hebrew University of Jerusalem, Jerusalem	Reuveni, H. <i>et al. Cancer Res.</i> 73 , 4383–4394 (2013).	22	9	31
Gerald B. Pier, Harvard Medical School and Brigham and Women's Hospital, Boston	Cywes-Bentley, C. <i>et al. Proc. Natl. Acad. Sci. USA</i> 110 , E2209–E2218 (2013).	26	4	30
David Baltimore, California Institute of Technology	Balazs, A.B. <i>et al. Nat. Biotechnol.</i> 31 , 647–652 (2013).	23	6	29
Rudolph E. Tanzi, Harvard Medical School ^a	Veeraraghavalu, K. <i>et al. Science</i> 340 , 924 (2013).	23	3	26
George M. Church, Harvard Medical School	Mali, P. <i>et al. Science</i> 339 , 823–826 (2013).	20	4	24
David A. Scheinberg, Memorial Sloan-Kettering Cancer Center, New York	Dao, T. <i>et al. Sci. Transl. Med.</i> 5 , 176ra33 (2013).	18	5	23
Arul M. Chinnaiyan, University of Michigan Medical School, Ann Arbor, Mich.	Velusamy, T. <i>et al. Proc. Natl. Acad. Sci. USA</i> 110 , 3035–3040 (2013).	15	8	23
George Georgiou, The University of Texas at Austin, Austin, Texas	DeKosky, B.J. <i>et al. Nat. Biotechnol.</i> 31 , 166–169 (2013).	18	4	22
Ziad Mallat, Institut National de la Santé et de la Recherche Médicale (INSERM), Paris	Zouggar, Y. <i>et al. Nat. Med.</i> 19 , 1273–1280 (2013).	13	9	22
Richard T. Lee, Brigham and Women's Hospital	Loffredo, F.S. <i>et al. Cell</i> 153 , 828–839 (2013).	16	2	18
Dean Sheppard, University of California at San Francisco School of Medicine, San Francisco, Calif.	Henderson, N.C. <i>et al. Nat. Med.</i> 19 , 1617–1624 (2013).	13	5	18

^aPatents assigned to General Hospital Corp.

Table 2 Top translational junior faculty in 2013, ranked by total patents at their current affiliation.

Professor, affiliation	SciBx paper(s)	Patents		
		US	Europe	Total
Omid C. Farokhzad, Brigham and Women's Hospital, Boston	Pridgen, E.M. <i>et al. Sci. Transl. Med.</i> 5 , 213ra167 (2013).	11	0	11
James E. Bradner, Dana-Farber Cancer Institute, Boston	Puissant, A. <i>et al. Cancer Discov.</i> 3 , 308–323 (2013).	8	0	8
Frank Alexis, Clemson University, Clemson, S.C.	Pridgen, E.M. <i>et al. Sci. Transl. Med.</i> 5 , 213ra167 (2013).	6	0	6
Tarek M. Fahmy, Yale University, New Haven, Conn.	Look, M. <i>et al. J. Clin. Invest.</i> 123 , 1741–1749 (2013).	5	0	5
Yuan-Xiang Tao, The Johns Hopkins University School of Medicine, Baltimore	Zhao, X. <i>et al. Nat. Neurosci.</i> 16 , 1024–1031 (2013).	5	0	5

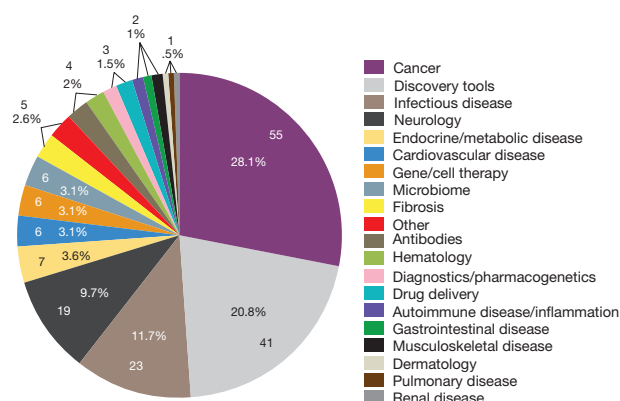
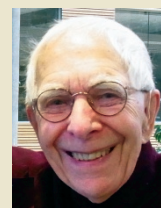


Figure 1 Areas of focus by percentage for research papers highlighted in *SciBX* in 2013.

First Rounders Podcast: Julian Davies

Julian Davies is a professor emeritus at the University of British Columbia. He was one of the founding fathers of biotech as the research director at Biogen's European lab in the early 1980s. *Nature Biotechnology* talked to Davies about his childhood in Wales during World War II, breakthroughs in antibiotic research and his life in the lab. <http://www.nature.com/nbt/podcast/index.html>.



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