

Top 20 translational researchers in 2012

Brady Huggett and Kathryn Paisner

Nature Biotechnology collated ~200 papers published either online or in print during 2012 that had been highlighted in *SciBX*, a publication that each week scans the top 50 research journals for papers of particular translational interest. Boutique patent analytics firm IP Checkups provided a listing of patents associated with the corresponding authors and affiliation of these papers, which was then used to provide a ranking

of professors (**Table 1**) and assistant or associate professors (**Table 2**). **Figure 1** highlights institutions (out of a total of 102 research centers) publishing the greatest proportion (four or more) of papers selected to be highlighted by *SciBX* last year. Because of the methodology, the ranking is clearly biased toward researchers who have remained at their present institution for an extended time.

Table 1 Top translational researchers, ranked by total patents at current affiliation

Professor, affiliation	Paper(s)	US	Europe	Total
Ronald M. Evans, Salk Institute for Biological Studies	<i>Nature</i> 485 , 123–127 (2012) • <i>Proc. Natl. Acad. Sci. USA</i> 109 , 1369–1376 (2012)	96	18	114
Philipp Holliger, Medical Research Council	<i>Science</i> 336 , 341–344 (2012)	19	16	35
Lawrence Steinman, Stanford University	<i>Sci. Transl. Med.</i> 4 , 145ra105 (2012)	24	9	33
Dennis L. Kasper, Brigham and Women's Hospital, Harvard Medical School	<i>Science</i> 336 , 489–493 (2012)	28	4	32
Ronald W. Davis, Stanford University	<i>Proc. Natl. Acad. Sci. USA</i> 109 , 8676–8681 (2012)	26	6	32
Eric N. Olson, University of Texas Southwestern Medical Center	<i>Cell</i> 149 , 671–683 (2012) • <i>Nature</i> 485 , 599–604 (2012)	26	4	30
Bruce M. Spiegelman, Dana-Farber Cancer Institute	<i>Nature</i> 481 , 463–468 (2012) • <i>Cell</i> 151 , 96–110 (2012)	23	7	30
Bert W. O'Malley, Baylor College of Medicine	<i>Nat. Med.</i> 18 , 1102–1111 (2012)	24	5	29
George M. Church, Harvard Medical School	<i>Science</i> 335 , 831–834 (2012)	17	4	21
Richard S. Blumberg, Brigham and Women's Hospital, Harvard Medical School	<i>Science</i> 336 , 489–493 (2012)	13	6	19
Ira S. Cohen, State University of New York at Stony Brook	<i>Sci. Transl. Med.</i> 4 , 131ra50 (2012)	14	1	15
Andrew R. Marks, Columbia University College of Physicians and Surgeons	<i>Cell</i> 150 , 1055–1067 (2012)	9	5	14
Martin L. Yarmush, Massachusetts General Hospital	<i>Nat. Biotechnol.</i> 30 , 179–183 (2012)	12	1	13
Mark M. Davis, Stanford University	<i>Proc. Natl. Acad. Sci. USA</i> 109 , 8676–8681 (2012)	7	5	12
Mark Akeson, University of California, Santa Cruz	<i>Nat. Biotechnol.</i> 30 , 344–348 (2012)	12	0	12
Philip J. Thomas, University of Texas Southwestern Medical Center	<i>Cell</i> 148 , 164–174 (2012)	9	3	12
Donald E. Ingber, Harvard University	<i>Sci. Transl. Med.</i> 4 , 159ra147 (2012)	11	0	11
Nico Callewaert, Flanders Institute for Biotechnology (VIB)	<i>Nat. Biotechnol.</i> 30 , 1225–1231 (2012)	8	2	10
Nahum Sonenberg, McGill University	<i>Nature</i> 493 , 371–377 (2013)	8	1	9
Joan Massagué, Memorial Sloan-Kettering Cancer Center	<i>Cell</i> 150 , 165–178 (2012)	8	1	9

Table 2 Top translational junior faculty, ranked by total patents at current affiliation

Junior faculty, affiliation	Paper	US	Europe	Total
Patrick C.H. Hsieh, National Cheng Kung University Hospital	<i>Sci. Transl. Med.</i> 4 , 146ra109 (2012)	6	0	6
James E. Bradner, Dana-Farber Cancer Institute	<i>Cell</i> 150 , 673–684 (2012)	5	0	5
Pasi A. Jänne, Dana-Farber Cancer Institute	<i>Nat. Med.</i> 18 , 382–284 (2012)	4	1	5
Jianghong Rao, Stanford University	<i>Nat. Chem.</i> 4 , 802–809 (2012)	3	0	3
Jack Taunton, University of California, San Francisco	<i>Nat. Chem. Biol.</i> 8 , 471–476 (2012)	2	0	2

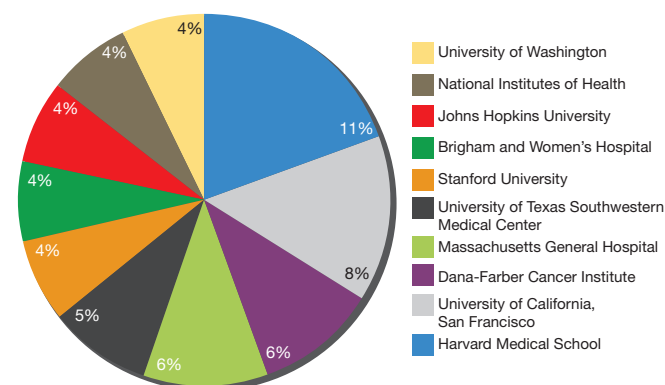


Figure 1 Number of 2012's research papers highlighted in *SciBX*, by institution.

First Rounders Podcast:

Una Ryan

Ryan led Avant Therapeutics for 15 years before a stint at the nonprofit Diagnostics for All. Now, she is an angel investor. She has been a strong advocate for biotech, helping in particular to grow the Boston cluster. *Nature Biotechnology* talked to her about her time running a nonprofit, women in biotech and growing up in the UK. <http://www.nature.com/nbt/podcast/index.html>.



Brady Huggett is Business Editor at *Nature Biotechnology*.
Kathryn Paisner is director of research and analytics at IP Checkups Inc., Berkeley, California, USA.
e-mail: kpaisner@ipcheckups.com