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INSTITUTIONAL INTERVIEWS - 2008

December 2008

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Minding the Mind: The Top 20 Institutions in Psychiatry & Psychology

A featured institution selection from *Essential Science Indicators*SM

This month, ScienceWatch.com *presents a listing of the top 20 institutions which, as of the fourth bimonthly update of* Essential Science Indicators *(January 1, 1998-August 31, 2008) attracted the highest total citations to their papers published in Thomson Reuters-indexed Psychiatry & Psychology journals. These institutions are the top 20 out of a pool of 360 institutions comprising the top 1% ranked by total citation count in this field.*

The Psychiatry & Psychology field includes journals that cover all areas of study:

- applied
- biological
- clinical
- developmental
- educational
- mathematical
- organizational
- personal
- social
- diagnosis and treatment

The top 20 institutions in this field are overwhelmingly academic. Seventeen of the institutions are US-based; the other three are made up of two British institutions and one Canadian university. Of the 17 US-based institutions, three are in California, two are in Pennsylvania, and two are in North Carolina.

At the top of the list, with a lead in excess of 30,000 cites, is Harvard University, with 4,937 papers cited a total of 88,802 times. Among Harvard's highly cited papers are Ronald Kessler's [see also, see also] reports from the National Comorbidity Study among other paper. Kessler is a coauthor on seven of the top 20 papers for Harvard in this field, and has also been named a Highly Cited Researcher 1717. Another highly cited Harvard author is Martha Shenton, who is one of the top-ranking researchers in schizophrenia, and who has spoken with *ScienceWatch.com* on several occasions Martha Shenton [see also], and most recently in December of last year. Other topics of prevalence for Harvard include post-traumatic stress disorder (PTSD), attention deficit hyperactivity disorder (ADHD), and olanzapine for the treatment of mania.

The #2 slot belongs to Columbia University, with 3,372 papers cited a total of 57,841 times. Antipsychotic-induced weight gain, ADHD trials, the influence of neighborhoods on children's psychological

development, and female sexual function indices are among Columbia's highly cited topics. Columbia researcher Suniya S. Luthar's paper "The construct of resilience: A critical evaluation and guidelines for future work," (*Child Develop*. 71: 543-62, May-June 2000) was a Fast-Breaking Paper in 2002, and is now a Highly Cited Paper in this field.

The University of California, Los Angeles, ranks at #3, with 3,224 papers cited a total of 55,400 times. ADHD, schizophrenia, and the behaviors of females under stress are among UCLA's highly cited topics. Several UCLA researchers have spoken with *ScienceWatch.com* about their work, including Stephen Marder, Alexander Young, and Adam Aron. Marder is also a Highly Cited Researcher.com.

Kings College London holds the #4 position, with 3,312 papers cited a total of 54,103 times. The most-cited paper for Kings in this field is the 2003 *Science* paper by Avshalom Caspi and Terrie E. Moffitt, "Influence of life stress on depression: moderation by a polymorphism in the 5-HTT gene," which the authors, who are also affiliated with another institution in the top 20, the University of Wisconsin (#17), spoke with us about in 2004 when the paper was named a Fast-Breaking Paper. Other highly cited topics undertaken by Kings researchers include the role of genes in violence, and brain studies using fMRI. Kings researcher Robin Murray, a ISIHighlyCited.com who ranks among the top five scientists in schizophrenia, spoke with us this year about his work.

Coming in at #5 is Yale University, with 2,994 papers with a total of 52,258 citations. Yale's prevalent papers appear to focus on brain-region activity as it relates to facial recognition by people with autism and Asperger syndrome, striatial dopamine transmission in schizophrenia, diagnostic criteria for children, and the role of multiple risk factors.

The University of Pittsburgh ranks at #6, with 2,693 papers cited a total of 51,348 times. Among Pitt's highly cited papers are such topics as violence in neighborhoods as a result of the release of psychiatric inpatients, remission rates in major depressive disorder treated with venlafaxine or selective serotonin reuptake inhibitors, and the development of aggression and violence in juveniles.

The second California institute ranks at #7 – it's Stanford University with 2,226 papers cited a total of 45,378 times. Stanford's researchers are interested in a variety of topics, from psychological risk factors for children of depressed mothers to social cognitive theory.

The University of Michigan ranks at #8 with 2,434 papers cited a total of 39,560 times. Among Michigan's highly cited papers are topics including the accuracy of self-reporting, racism as a stressor, and the psychology of positive emotions. Michigan researcher Daphna Oyserman spoke with *ScienceWatch.com* about her paper on individualism and collectivism.

The University of Illinois comes in at #9, with 2,764 papers cited a total of 37,996 times. Subjective well-being, memory, event-related potentials, and the consistency of personality traits throughout a person's lifetime are just a few of the topics getting Illinois researchers noticed.

Rounding out the top 10 is the University of Toronto, with 2,767 papers garnering a total of 37,398 citations. Toronto's researchers are particularly concerned with a variety of aspects dealing with antipsychotics. Researchers Shitij Kapur and Philip Seeman have Toronto's most-cited paper in this field, the March 2001 *Amer. J. Psychiat. paper*, "Does fast dissociation from the dopamine D-2 receptor explain the action of atypical antipsychotics? A new hypothesis," which was named a New Hot Paper by *ScienceWatch.com* in 2002. Seeman was also named a top schizophrenia researcher by Special Topics, and is a Highly Cited Researcher.

The 10 remaining institutions on this list include one more from California (the University of California, San Diego at #11), one more from Pennsylvania (the University of Pennsylvania at #14), two from North Carolina (Duke University at #12 and the University of North Carolina at #15), one more from England (University College London at #13). The US's National Institute of Mental Health ranks at #18, with 1,136 papers cited a total of 30,091.

Scientists from the remaining institutions in the top 20 who have spoken with us about their work include UCSD's Robert Heaton, Duke's Roberto Cabeza, and two collaborators on a highly cited paper: the University of Maryland's (#20) Todd Gould and the University of Minnesota's (#19) Irving Gottesman.

The Top 20 Institutions in Psychiatry & Psychology are listed in full in the table below:

Ranked by Citations

Rank	Field	Papers	Citations	Cites Per Paper
1	HARVARD UNIV	4,937	88,802	17.99
2	COLUMBIA UNIV	3,372	57,841	17.15
3	UNIV CALIF LOS ANGELES	3,224	55,400	17.18
4	KINGS COLL LONDON	3,312	54,103	16.34
5	YALE UNIV	2,994	52,258	17.45
6	UNIV PITTSBURGH	2,693	51,348	19.07
7	STANFORD UNIV	2,226	45,378	20.39
8	UNIV MICHIGAN	2,434	39,560	16.25
9	UNIV ILLINOIS	2,764	37,996	13.75
10	UNIV TORONTO	2,767	37,398	13.52
11	UNIV CALIF SAN DIEGO	2,189	37,076	16.94
12	DUKE UNIV	1,963	37,004	18.85
13	UCL	2,465	36,070	14.63
14	UNIV PENN	2,252	35,085	15.58
15	UNIV N CAROLINA	2,579	32,826	12.73
16	UNIV WASHINGTON	2,139	32,707	15.29
17	UNIV WISCONSIN	1,979	30,145	15.23
18	NIMH	1,136	30,091	26.49
19	UNIV MINNESOTA	2,194	29,583	13.48
20	UNIV MARYLAND	2,055	27,817	13.54

SOURCE: *Essential Science Indicators* from the September 1, 2008 update covering a 10-year + 8-month period, 1998-August 31, 2008.

Full citation details of all of these institutions can be seen in *Essential Science Indicators.*

***Harvard University's* current most-cited paper in the field of Psychiatry & Psychology in *Essential Science Indicators*, from Thomson Reuters, with 1,067 cites:**

Bush G, Luu P, Posner MI, "Cognitive and emotional influences in anterior cingulate cortex," *Trends Cogn. Sci.* 4(6): 215-22, June 2000.

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