

Table S1: List of the 141 most highly prestigious international research awards

Biological and Life Sciences (31 awards, 963 recipients)	Recipients	M1	M2	M3	M4	Count
Albert Lasker Basic Medical Research Award	39	x	x	x	x	4
BBVA Foundation Frontiers of Knowledge Award in Biology and Biomedicine	22	x	x	x	x	4
BBVA Foundation Frontiers of Knowledge Award in Ecology and Conservation Biology	21		x	x		2
Benjamin Franklin Medal in Life Science	20	x		x	x	3
Brain Prize, The	34			x		1
Breakthrough Prize in Life Sciences	48			x	x	2
Canada Gairdner Global Health Award	14	x	x	x		3
Canada Gairdner International Award	104	x	x	x		3
Crafoord Prize in Biosciences	6	x	x	x	x	4
Crafoord Prize in Polyarthritis	11	x		x	x	3
Gruber Prize in Genetics	25	x		x		2
Gruber Prize in Neuroscience	26	x		x		2
Heineken Prize for Biochemistry and Biophysics	10	x		x		2
Heineken Prize for Medicine	10	x		x		2
InBev-Baillet Latour Health Prize	23			x		1
Kavli Prize in Neuroscience, The	20	x	x	x	x	4
Keio Medical Science Prize	36			x		1
King Faisal International Prize in Medicine	34				x	1
Lasker~DeBaakey Clinical Medical Research Award	34	x	x	x	x	4
Lewis S. Rosenstiel Award for Distinguished Work in Basic Medical Research	37			x		1
Louisa Gross Horwitz Prize	42				x	1
Louis-Jeantet Prize for Medicine	46			x		1
Massry Prize, The	45			x		1
Nobel Prize in Physiology or Medicine	49	x	x	x	x	4
Paul Ehrlich and Ludwig Darmstaedter Prize	31	x		x		2
Robert Koch Medal and Award	29	x		x	x	3
Shaw Prize in Life Science & Medicine, The	34	x	x		x	3
Tang Prize in Biopharmaceutical Science	11			x	x	2
Warren Alpert Foundation Prize	52	x		x		2
Wolf Prize in Agriculture	23	x				1
Wolf Prize in Medicine	27	x	x	x	x	4
Computer science (4 awards, 97 recipients)						
A. M. Turing Award	33	x	x		x	3
BBVA Foundation Frontiers of Knowledge Award in Information and Communication Technologies	19			x		1
Computer Pioneer Award	29				x	1
Knuth Prize, The	16			x	x	2

Engineering (7 awards, 118 recipients)						
Benjamin Franklin Medal in Electrical Engineering	22	x	x		x	3
Benjamin Franklin Medal in Mechanical Engineering	9	x	x	x	x	4
IEEE Edison Medal	19		x		x	2
IEEE Medal of Honor	16		x	x	x	3
IET Faraday Medal	19				x	1
Queen Elizabeth Prize for Engineering	14	x	x		x	3
Timoshenko Medal	19		x	x		2
Mathematics (16 awards, 266 recipients)						
Abel Prize, The	22	x	x		x	3
Breakthrough Prize in Mathematics	11				x	1
Carl Friedrich Gauss Prize	4			x	x	2
Chern Medal	3				x	1
Clay Research Award	44				x	1
COPSS Presidents' Award	20			x	x	2
Crafoord Prize in Mathematics	7	x	x	x	x	4
Fields Medal	18	x	x		x	3
International Prize in Statistics	2			x		1
John von Neumann Theory Prize	30				x	1
Maryam Mirzakhani Prize in Mathematics (formerly NAS Award in Mathematics)	4		x			1
Oswald Veblen Prize in Geometry	16				x	1
Rolf Schock Prize in Mathematics	9		x		x	2
Shaw Prize in Mathematical Sciences, The	26	x	x		x	3
Steele Prize for Lifetime Achievement	23			x		1
Wolf Prize in Mathematics	27	x	x		x	3
Multidisciplinary (37 awards, 1156 recipients)						
A.G. Huntsman Award for Excellence in the Marine Sciences	21			x		1
Albert Einstein World Award of Science, The	19	x	x	x	x	4
Balzan Prize	86	x	x		x	3
BBVA Foundation Frontiers of Knowledge Award in Basic Sciences	25			x		1
Benjamin Franklin Medal in Computer and Cognitive Science	20	x			x	2
Benjamin Franklin Medal in Materials Science and Engineering	4	x		x	x	3
Blue Planet Prize	41	x				1
Bower Award and Prize for Achievement in Science	20	x		x		2
Charles Stark Draper Prize for Engineering	45	x	x		x	3
Claude E. Shannon Award	20				x	1
Copley Medal	20	x		x	x	3
Dan David Prize	112	x			x	2
Eni Award	46		x	x		2

Global Energy Prize, The	22		x			1
Grande Médaille	16			x		1
Grawemeyer Award in Psychology	29			x	x	2
Harvey Prize	42			x	x	2
Heineken Prize for Cognitive Sciences	8	x				1
Heineken Prize for Environmental Sciences	10	x	x	x		3
Japan Prize	54	x	x	x	x	4
King Faisal International Prize in Science	34	x	x	x	x	4
Kyoto Prize in Advanced Technology	22	x	x		x	3
Kyoto Prize in Basic Sciences	19	x	x	x	x	4
Lomonosov Gold Medal	40				x	1
Marconi Prize	27				x	1
Max Planck-Humboldt Research Award	31		x			1
Millennium Technology Prize	14		x	x	x	3
MRS Medal	33		x	x		2
Nobel Prize in Chemistry	51	x	x		x	3
Okawa Prize, The	39		x			1
Princess of Asturias Award for Technical and Scientific Research	52			x	x	2
Russ Prize	25	x				1
Stockholm Water Prize	20	x	x		x	3
Tyler Prize for Environmental Achievement	33	x	x	x	x	4
Volvo Environment Prize	28		x			1
Von Hippel Award	17	x	x	x		3
World Food Prize	11	x			x	2
Physical Sciences (30 awards, 590 recipients)						
Arthur L. Day Medal	20		x			1
Arthur L. Day Prize and Lectureship	7		x	x		2
BBVA Foundation Frontiers of Knowledge Award in Climate Change	17		x	x		2
Benjamin Franklin Medal in Chemistry	20	x		x	x	3
Benjamin Franklin Medal in Earth and Environmental Science	19	x		x	x	3
Benjamin Franklin Medal in Physics	28	x			x	2
Breakthrough Prize in Fundamental Physics	33		x		x	2
Bruce Medal, The	19		x	x		2
Carl-Gustaf Rossby Research Medal	20	x		x		2
Crafoord Prize in Astronomy	9	x	x		x	3
Crafoord Prize in Geosciences	6	x	x	x	x	4
Dannie Heineman Prize for Astrophysics	13		x			1
Dannie Heineman Prize for Mathematical Physics	32				x	1
Faraday Lectureship Prize	9			x		1

Gold Medal for Astronomy, The	21		x	x	x	3
Gold Medal for Geophysics, The	20		x		x	2
Gruber Prize in Cosmology	36	x		x		2
Isaac Newton Medal	13			x	x	2
James Craig Watson Medal	10			x		1
Kavli Prize in Astrophysics, The	16	x	x		x	3
Kavli Prize in Nanoscience, The	18	x	x	x	x	4
Lorentz Medal	5			x		1
Max Planck Medal	18				x	1
Nobel Prize in Physics	54	x	x		x	3
Penrose Medal	19		x			1
Shaw Prize in Astronomy, The	29	x	x	x	x	4
Vetlesen Prize, The	9		x	x		2
Wolf Prize in Chemistry	23	x	x	x	x	4
Wolf Prize in Physics	27	x	x	x	x	4
Wollaston Medal	20		x	x	x	3
Social and Behavioral Sciences (16 awards, 255 recipients)						
A.SK Social Science Award	6			x		1
AOM Distinguished Scholarly Contributions to Management Award	16			x		1
BBVA Foundation Frontiers of Knowledge Award in Economics, Finance and Management	21		x	x		2
BBVA Foundation Frontiers of Knowledge Award in Humanities and Social Sciences	4			x		1
Berggruen Prize for Philosophy and Culture	5				x	1
Erwin Plein Nemmers Prize in Economics, The	10		x	x		2
Heineken Prize for History	6	x				1
Holberg Prize	17	x	x		x	3
Johan Skytte Prize in Political Science, The	20		x		x	2
John von Neumann Award	21			x		1
John W. Kluge Prize for Achievement in the Study of Humanity	12	x			x	2
Princess of Asturias Award for Social Sciences	19				x	1
Rolf Schock Prize in Logic and Philosophy	10				x	1
Stein Rokkan Prize for Comparative Social Science Research, The	22		x			1
Stockholm Prize in Criminology, The	26		x			1
Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel, The	40	x	x	x	x	4

M1=Awards identified via tiered checklist method. M2=survey method. M3=Highly Cited Researchers method. M4=Wikipedia views method. Count=number of methods in which an award was identified. The 1,156 multidisciplinary awards were divided as follows: 307 biological and life scientists, 95 computer scientists, 144 engineers/engineering faculty, 44 mathematicians, 398 physical scientists, and 168 social and behavioral scientists. Awards in bold are those not received by women during 2016-2020.

Table S2: List of women who received two or more of the 141 highly prestigious international research awards during 2001-2020, including their primary affiliations

Award recipient name	Primary affiliations	Count	Award recipient name	Primary affiliations	Count
Charpentier, Emmanuelle M.	Humboldt U of Berlin, MPI for Infection Biology, Umeå	15	Youyou, Tu	China Academy of Chinese Medical Sciences	3
Doudna, Jennifer A.	UC Berkeley, HHMI, Lawrence Berkeley National Laboratory	15	Allen, Frances E.	IBM	2
Blackburn, Elizabeth H.	UC San Francisco, UC Berkeley	7	Brantley, Susan L.	Penn State	2
Solomon, Susan	MIT, National Oceanic and Atmospheric Administration	7	Buck, Linda B.	Harvard, HHMI	2
Yonath, Ada E.	Weizmann Institute of Science	7	Cazenave, Anny	Centre National d'Études Spatiales	2
Arnold, Frances H.	CalTech	5	Chisholm, Sallie W.	MIT	2
Duflo, Esther	MIT	5	Daston, Lorraine	MPI for the History of Science	2
King, Mary Claire	UC Berkeley, Washington	5	Díaz, Sandra Myrna	Universidad Nacional de Cordoba	2
Zoghbi, Huda Y.	Baylor College, HHMI	5	Freedman, Wendy	Chicago, Carnegie Observatories	2
Daily, Gretchen C.	Stanford	4	Ghez, Andrea	UCLA	2
Daubechies, Ingrid C.	Duke, Princeton	4	Goldin, Claudia	Harvard, National Bureau of Economic Research	2
de Lange, Titia	Rockefeller, Yeshiva	4	Goodall, Jane	MIT	2
Dresselhaus, Mildred S.	MIT	4	Graybiel, Ann M.	MED-EL Medical Electronics, TU Wien, Innsbruck	2
Faber, Sandra M.	UC Santa Cruz	4	Hochmair, Ingeborg	Yeshiva	2
Greider, Carol W.	Johns Hopkins, Cold Spring Harbor Laboratory	4	Horwitz, Susan Band	National Institute of Standards and Technology, Colorado Boulder	2
Milner, Brenda A.	McGill	4	Jin, Deborah S.	Hawai'i Mānoa	2
Petit, Christine	Université PSL, INSERM, Pasteur Institute	4	Liskov, Barbara H.	MIT	2
Assmann, Aleida	Konstanz	3	Luu, Jane X.	Imperial College London, UCL, Zoological Society of London	2
Bargmann, Cornelia I.	Rockefeller, UC San Francisco, HHMI	3	Mace, Georgina M.	Brandeis	2
Bassler, Bonnie L.	HHMI, Princeton	3	Marder, Eve	Ohio State	2
Cossart, Pascale	Pasteur Institute, INRA, INSERM	3	Mirzakhani, Maryam	Stanford	2
Chory, Joanne	Salk Institute, HHMI	3	Mosley-Thompson, Ellen	Brown, Chicago, Harvard	2
Goldwasser, Shafi	MIT, Weizmann Institute of Science	3	O'Neill, Onora	Cambridge	2
Lubchenco, Jane	Oregon State	3	Rowley, Janet D.	Chicago	2
Moser, May-Britt	Norwegian U of Sci. and Tech.	3	Shapiro, Lucy	Stanford, Yeshiva	2
Nussbaum, Martha C.	Chicago	3	Tauxe, Lisa	UC San Diego, Scripps Institution of Oceanography	2
Rubin, Vera C.	Carnegie Institution of Washington	3	Trumbore, Susan	MPI for Biogeochemistry, UC Irvine	2
Shatz, Carla J.	Stanford, UC Berkeley	3	Uhlenbeck, Karen K.	Texas at Austin	2
Steitz, Joan A.	Yale, HHMI	3	Voisin, Claire	Université PSL, CNRS	2
van Dishoeck, Ewine F.	Leiden U, MPI for Extraterrestrial Physics	3	Zhuang, Xiaowei	Harvard, HHMI	2

Table S3: List of men who received five or more of the 141 highly prestigious international research awards during 2001-2020, including their primary affiliations

Winner (LN, FN MI)	Affiliations	Count	Winner (LN, FN MI)	Affiliations	Count
Allison, James P.	UT MD Anderson Cancer Center, HHMI, MSKCC	15	Thorne, Kip S.	CalTech	6
Yamanaka, Shinya	Kyoto, Gladstone Institutes	13	Weinberg, Robert A.	MIT, Whitehead Institute	6
Langer, Robert S.	MIT	13	Weiss, Rainer	MIT	6
Ambros, Victor R.	Dartmouth, U Mass Med. School	10	Yaghi, Omar M.	UC Berkeley, UCLA, Michigan, Arizona State	6
Deisseroth, Karl A.	Stanford, HHMI	10	Bennett, Charles H.	IBM	5
Ruvkun, Gary B.	Harvard, Mass General Hospital	10	Bennett, Charles L.	Johns Hopkins	5
Hartl, Franz-Ulrich	Munich, MPI Biochemistry, MSKCC	9	Boyden, Edward S.	MIT	5
Friedman, Jeffrey M.	Rockefeller, HHMI	8	Cirac, Juan Ignacio	MPI Quantum Optics, U Innsbruck	5
Horwich, Arthur L.	Yale, HHMI	8	Coleman, Douglas L.	Jackson Laboratory	5
Pääbo, Svante	Munich, MPI Evolutionary Anthropology	8	Dennard, Robert H.	IBM	5
Witten, Edward	Institute for Adv. Study, Princeton	8	Donaldson, Simon K.	Oxford, Imperial College London	5
Allis, Charles David	Rockefeller, Virginia	7	Druker, Brian J.	Oregon Health & Science U, HHMI	5
Baulcombe, David C.	Cambridge	7	Elledge, Stephen J.	Harvard, Baylor College, HHMI	5
Berners-Lee, Tim	MIT, WWW Consortium	7	Friend, Richard H.	Cambridge	5
Gordon, Jeffrey I.	Washington University in St. Louis	7	Genzel, Reinhard	UC Berkeley, MPI Extraterrestrial Physics	5
Grätzel, Michael	EPFL (Switzerland)	7	Goodenough, John B.	Texas at Austin	5
Julius, David	UC San Francisco	7	Guth, Alan H.	MIT	5
Varshavsky, Alexander J.	CalTech, MIT, Russian Academy of Sciences	7	Hall, Michael N.	Basel	5
Broecker, Wallace S.	Columbia	6	Jaenisch, Rudolf	MIT, Hamburg	5
Cerf, Vinton G.	Google	6	Jeffreys, Alec J.	Leicester	5
Fire, Andrew Z.	Stanford, Carnegie Institution of Washington	6	Kishimoto, Tadimitsu	Osaka	5
Hall, Jeffrey C.	Brandeis	6	Mello, Craig C.	U Mass Med. School, HHMI	5
Hegemann, Peter	Humboldt U Berlin, Regensburg	6	O'Keefe, John M.	UCL	5
Hoffmann, Jules A.	Strasbourg, CNRS	6	Ratcliffe, Peter J.	Oxford	5
Honjo, Tasuku	Kyoto, Osaka	6	Sakaguchi, Shimon	Kyoto, Osaka	5
Hunter, Anthony R.	UC San Diego, Salk Institute	6	Shamir, Adi	Weizmann Institute of Science	5
Kahn, Robert E.	Corporation for National Research Initiatives	6	Sunyaev, Rashid A.	MPI Astrophysics, Russian Academy of Sciences	5
Mayor, Michel	Geneva	6	Tsien, Roger Y.	HHMI, UC Berkeley, UC San Diego	5
Miesenböck, Gero	Oxford, MSKCC	6	Ullrich, Axel	MPI Biochemistry, Genentech	5
Nakamura, Shuji	UC Santa Barbara, Nichia Chemical Industries	6	Vogelstein, Bert	Johns Hopkins, HHMI	5
Ohsumi, Yoshinori	Tokyo Institute of Tech., U Tokyo, National Institutes of Natural Sci.	6	Walter, Peter J.	UC San Francisco, HHMI	5
Rosbash, Michael	Brandeis, HHMI	6	Whitesides, George M.	Harvard, MIT	5
Tao, Terence Chi-Shen	UCLA	6	Young, Michael W.	Rockefeller U	5