



# OSAKA UNIVERSITY PROFILE

#### ❤大阪大学

Department of Publicity and University-Community Collaboration Osaka University

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With the aim of expanding its contribution

to the international community,

Osaka University launched its **World Tekijuku** concept in 2014.

The university's goal is to become a world-class research institution and

#### one of the top 10 universities in the world

by the time it celebrates its centenary in 2031.

Fundamental Principles

Research and Education to Ascertain the True Essence of Things Developing Human Resources with Standards from an International Society

Global Scale Researcher Exchange Creating Harmonious Diversity through Scholarship Contributing to the Welfare and Progress of Human Society

# Creating Harmonious Diversity through Scholarship

#### From Tekijuku to World Tekijuku

The world is full of diversity- different peoples, genders, languages, customs, cultures, and religions. Diversity is indispensable for human development and social well-being, but it can also lead to conflict. Overcoming the barriers that can result from diversity will be crucial in the 21st century's global society. Universities impart "scholarship," a language common to all humankind, which can serve to reduce or eliminate the barriers caused by diversity, in much the same way that sports and the arts can bring together disparate populations. In the 21st century, universities will need to take on the new role of creating "harmonious diversity" through scholarship.

With the exchange of human resources through scholarship, as a Global University, the World Tekijuku,
Osaka University aims to contribute to global society through the creation of harmonious diversity.



Toshio HIRANO, President

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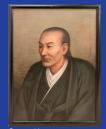
International Exchange

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### History

#### -The Origin of Osaka University-Tekijuku

Tekijuku was a private academy founded in 1838 by Ogata Koan, a physician and renowned educator, in the present-day Kitahama area of Osaka. This school taught advanced Western medicine and pathology, known as Dutch studies in Japan, while also treating patients with smallpox and cholera, which were prevalent in those days, thus contributing to the progress of medical practice. Many of the students who studied under Ogata later played leading roles in the modernization of Japan during the Meiji period. Outstanding Tekijuku graduates include Yukichi Fukuzawa, Sensai Nagayo, Masujiro Omura, Sanai Hashimoto, and Keisuke Otori to name but a few. The actual building was designated as a National Historical Landmark in 1941 and as an Important Cultural Asset in 1964 in remembrance of the Edo period academy of Dutch studies.



Osaka Technical

School





#### The Birth of Osaka Imperial University

Osaka Imperial University was established in 1931 with the School of Medicine and the School of Science through the reorganization of Osaka Prefectural Medical School that originated in Tekijuku. The university was established thanks to the combined efforts of political and economic figures in Osaka who urged the national government to found an imperial university in Osaka, as well as financial and other support by citizens of Osaka and other parties. This unique background earned Osaka Imperial University the distinction of being a university created by the local community of Osaka. Hantaro Nagaoka, the first President of the university, was determined to make Osaka Imperial University the best university in Japan, superior to even Tokyo Imperial University (now the University of Tokyo) and Kyoto Imperial University (now Kyoto University), and recruited young and ambitious academic staff from all over Japan. One of these intellectuals was Hideki Yukawa, who was invited to the university as a lecturer.



#### Integration of Osaka University and Osaka University of Foreign Studies

On October 1, 2007, Osaka University and Osaka University of Foreign Studies were integrated to create one university. Established originally as Osaka School of Foreign Studies in 1921 in Uehommachi, Osaka, Osaka University of Foreign Studies had developed remarkably to become the best foreign-language educational and research institute in western Japan, and had produced many outstanding graduates, including the novelist Ryotaro graduates, including the novelist Ryotaro Shiba. Osaka School of Foreign Studies was founded with the money donated to the government by Choko Hayashi, an Osaka-based businesswoman who was passionate about establishing a "school capable of nurturing internationally-minded people in Osaka." Thus, Osaka School of Foreign Studies shares a similar background to that of Osaka University. The integration of the two universities gave birth to one of Japan's leading national universities, with three campuses in the Hokusetsu area, the northern part of Osaka.



School of

Law and Letters

#### News in 2014 **-**

#### Dr. Hideki Yukawa's blackboard donated to Osaka University

The six years (1933-1939) during which Dr. Hideki Yukawa worked at the School of Science of Osaka Imperial University as a lecturer and assistant professor were highly productive years both for Dr. Yukawa himself and the Japanese physics community. In the autumn of 1934, Dr. Yukawa present a paper on the meson theory at an academic meeting, and the paper was published in a scholarly journal the following year. In 1938, he submitted 10 papers on the meson theory at Osaka Imperial University and received a Doctor of Science degree. During such a short period of time, Dr. Yukawa produced remarkable research results, and a paper he wrote during this period earned him the Nobel Prize in Physics in 1949.



2014



#### 50 years since the discovery of Machikane Crocodylidae

On May 3, 1964, some fossilized bo On May 3, 1964, some fossilized bone were discovered by two young men durin construction of a building for the School of Science on the Toyonaka campus. As team of experts dug further, the unearthed a nearly complete fossiskeleton of a creature which was identifie as a crocodilian dating from 400,000 t 500,000 years ago. It was later name "Machikane Crocodylidae." This was major archaeological discovery: it was th first crocodilian skeleton ever discovere in Japan and one of very few complet crocodilian skeletons in the world.



2031

100th

Anniversary



1949 1921 Osaka School of Osaka University of Foreign Studies Foreign Studies 1939 2007 The Institute of Scientific 1931 and Industrial Research Foreign Studies 1916 1949 Shiomi Research 1934 School of Science Institute of Physics Research Institute for and Chemistry Osaka 2004 Microbial Diseases University (under the new educational syste 1838 Osaka 1869 1915 **National University** Imperial Corporation Osaka Prefectural Tekijuku Osaka Temporary School of University Medical School Hospital Letters Osaka University School of Medicine School of Law and Economics separated into the School f Law and the School of conomics in 1953) 1933 1896 1948

Milestones in the expansion of educational and research facilities

School of

- 1951: School of Dentistry
- 1955: School of Pharmaceutical Sciences
- 1958: Institute for Protein Research
- 1961: School of Engineering Science
- 1966: Institute of Social and Economic Research
- 1972: School of Human Sciences
- 1972: Welding Research Institute (renamed the Joining and Welding Research Institute in 1996)
- 1989: Graduate School of Language and Culture
- 1994: Osaka School of International Public Policy
- 2002: Graduate School of Information Science and Technology
- 2002: Graduate School of Frontier Biosciences
- 2004: Osaka University Law School
- 2009: United Graduate School of Child Development

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Kaitokudo

Osaka Senior High School

**7** 1926 Naniwa Senior High School

School of

Engineering

#### Academics and Research

Schools/Faculty							
	Department	Facilities					
Letters	Humanities						
Human Sciences	Human Sciences						
Foreign Studies	Foreign Studies						
Law	Law International Public Policy						
Economics	Economics and Business						
	Mathematics						
Science	Physics						
	Chemistry						
	Biological Sciences						
Medicine	Medicine	Osaka University Hospital					
Medicine	Allied Health Sciences	Institute of Experimental Animal Sciences					
Dentistry	Dentistry	Osaka University Dental Hospital Dental Technology					
		Institute					
Pharmaceutical	Pharmacy						
Sciences	Pharmaceutical Sciences						
	Applied Science						
	Mechanical, Materials and Manufacturing Science						
Engineering	Electronic and Information Engineering						
	Sustainable Energy and Environmental Engineering						
	Global Architecture						
	Electronics and Materials Physics						
Engineering	Chemical Science and Engineering						
Science	Systems Science						
	Information and Computer Sciences						

#### **Graduate Schools**

	Department Cultural Forms	Facilities
	Cultural Forms	
Letters	Cultural Expressions	
	Cultural Dynamics	
Human	Human Sciences	
Sciences	Global Human Studies	Ethological Studies Laboratory
Law and Politics	Law and Political Science	Center for Legal and Political Practice
	Economics	
Economics	Business and Management	
	Mathematics	Research Center for
	Physics	Structural Thermodynamics
Science	Chemistry	Project Research Center for Fundamental Sciences
	Biological Sciences	Center for Advanced
	Macromolecular Science	High Magnetic Field Science
	Earth and Space Science	
		Center for Medical Research
	Medicine	and Education
Medicine		Center for Twin Research
	Medical Sciences	PET Molecular Imaging Center Center of Medical Innovation
	Health Sciences	and Translational Research
Dentistry	Oral Sciences	Center for Frontier Oral Science
		Experimental Institute for Medicinal Plants
Pharmaceutical	Advanced Pharmaco-science	Center for Advanced Education and
Sciences	M I IDI	Research in Pharmaceutical Sciences
	Medical Pharmacy	Drug Innovation Center
	Advanced Science and Biotechnology	
	Applied Chemistry	
	Precision Science & Technology	Research Center for Ultra-Precision
	and Applied Physics	Science and Technology
	Adaptive Machine Systems	Center for Atomic and Molecular Technologies (CAMT)
	Mechanical Engineering	Frontier Research Center
Engineering	Materials and	On-site Research Center for Sustainability Design
Engineering	Manufacturing Science	Continuing Professional
	Electrical, Electronic and Information Engineering	Development Center
	Sustainable Energy and	Education and Research Center for Advanced Structural and
	Environmental Engineering	Functional Materials Design
	Global Architecture	
	Management of Industry and Technology	
	Materials Engineering Science	Center for Science and Technology under Extreme Conditions
Engineering Science	Mechanical Science and Bioengineering	Center for Promotion of Advanced
	Systems Innovation	Interdisciplinary Research
	Language and Culture	
Language and	ļ	
Culture	Language and Society	
	Japanese Language and Culture	
International	International Public Policy	
Public Policy	Comparative Public Policy	
	Pure and Applied Mathematics	
	Information and Physical Sciences	
Information	Computer Science	
Science and Technology	Information Systems Engineering	
	Information Networking	
	Multimedia Engineering	
		I
	l	
Frontier Riosciences	Bioinformatic Engineering	
Frontier Biosciences	Bioinformatic Engineering Frontier Biosciences	
Frontier Biosciences Law School Child	Bioinformatic Engineering	Molecular Research Center for

#### Research Institutes

	Facilities
Research Institute for Microbial Diseases	Animal Resource Center for Infectious Diseases DNA-chip Development Center for Infectious Diseases Research Center for Infectious Disease Control Genome Information Research Center International Research Center for Infectious Diseases Center for Genetic Analysis of Biological Responses
The Institute of Scientific and Industrial Research	Nanoscience and Nanotechnology Center Comprehensive Analysis Center Research Laboratory for Quantum Beam Science Center for Collaborative Research Education and Training International Collaborative Research Center
Institute for Protein Research	Research Center for State-of-the-art Functional Protein Analysis
Institute of Social and Economic Research	Research Center for Behavioral Economics
Joining and Welding Research Institute	Smart Processing Research Center

#### National Joint-Use Facilities

Research Center for Nuclear Physics Cybermedia Center Institute of Laser Engineering

#### World Premier International Research Center (WPI)

Immunology Frontier Research Center

#### University Libraries

Main Library Life Sciences Library Science and Engineering Library International Studies Library

#### Institute for Advanced Interdisciplinary Research

Osaka University/NICT Center for Information and Neural Networks

#### Joint-Use Facilities

Low Temperature Center

Research Center for Ultra-High Voltage Electron Microscopy

Radioisotope Research Center

Research Center for Environmental Preservation

Center for International Education and Exchange

International Center for Biotechnology

Research Center for Solar Energy Chemistry

The Museum of Osaka University

Health Care Center

The Center for Advanced Medical Engineering and Informatics

Center for the Study of Communication-Design

Center for the Study of Finance and Insurance

Center for Scientific Instrument Renovation and Manufacturing Support

Global Collaboration Center

Center for Japanese Language and Culture

Center for Environmental Innovation Design for Sustainability

Institute for NanoScience Design

Intellectual Property Center

#### **Overseas Centers**

North American Center for Academic Initiatives European Center for Academic Initiatives ASEAN Center for Academic Initiatives East Asian Center for Academic Initiatives

#### **Education and Research Support Organizations**

Institute for Academic Initiatives Center for Education in Liberal Arts and Sciences Office for University-Industry Collaboration Teaching and Learning Support Center Kaitokudo for the 21st Century Tekijuku Commemoration Center Department of Safety and Hygiene Department of Environment and Energy Management Support Center for Campus Life Osaka University Nakanoshima Center Administration Bureau

Faculty and Staff (as of May 1, 2014)

racarty and Stair												(as	of May 1, 2014)
			Acad	emic Sta				Specially				David disease	Doub Maria
		Associate	Associate Professor	Assistant				Appointed	Administrative Staff	Medical Staff	Total	Part-time Academic	Part-time Administrative
	Professor	Professor	Professor (Lecturer)	Protector	Assistant	Instructor	Subtotal	Résearcher		Starr		Staff	Staff
T-4-I	022	054			12	2	3,171	200	1 502	1 210	4 202	1 400	1.042
Total	922	854	236	1,143	13	3	3,1/1	289	1,503	1,319	6,282	1,690	1,963
Administration Bureau	11	10	5	10			36	18	432		486	47	289
Letters*	54	25	5	19			103		16		119	9	32
Human Sciences*	44	25	4	26			99		14		113	11	31
Law and Politics / Law*	21	13	1	1	3		39		16		55	4	15
Economics*	23	17	2	5	3		50		15		65	2	24
Science*	73	68	15	76	1		233	14	55		302	34	87
Medicine*	115	90	58	332	2		597	32	132		761	194	341
Dentistry*	19	21	7	43		3	93		46	1	140	10	36
Pharmaceutical Sciences*	20	17	6	28			71	6	14		91	5	26
Engineering*	155	142	22	159			478	53	137		668	100	214
Engineering Science*	60	45	8	87	1		201	15	51		267	25	69
Language and Culture**	67	83	25	8			183		38		221	4	24
International Public Policy**	16	14		3	1		34		1		35	12	17
Information Science and Technology**	30	31		31			92	5	19		116	2	36
Frontier Biosciences**	21	22	1	26			70	6	20		96	30	37
Law School**	18	3					21				21	6	2
Child Development**	4	5	2	13			24	2	1		27	12	10
University Libraries									49		49		81
Osaka University Hospital	2	12	11	35			60	13	173	1,241	1,487	662	211
Osaka University Dental Hospital	2	3	17	14			36			71	107	283	23
Research Institute for Microbial Diseases	20	21	5	37			83	31	31		145	19	41
The Institute of Scientific and Industrial Research	28	38	3	56			125	19	40		184	49	55
Institute for Protein Research	14	13	1	18			46	23	19		88	41	52
Institute of Social and Economic Research	8		3	1	2		14		7		21	5	8
Joining and Welding Research Institute	11	16	1	8			36	3	14		53	28	24
Low Temperature Center				2			2				2		2
Research Center for Ultra-High Voltage Electron Microscopy		3		3			6	2	1		9		4
Radioisotope Research Center	1	1					2		1		3		3
Research Center for Environmental Preservation	1		1	1			3				3		2
Center for International Education and Exchange	4	9		1			14		7		21		12
International Center for Biotechnology	2	1	1	2			6		1		7		3
Research Center for Solar Energy Chemistry	2	2					4		1		5		1
The Museum of Osaka University	2	3	1	1			7				7		
Health Care Center	4	3	1	5			13		3	6	22		18
The Center for Advanced Medical Engineering and Informatics	2	4		1			7				7	2	6
Center for the Study of Communication-Design	8	4	3	1			16				16		1
Center for the Study of Finance and Insurance				2			2				2		2
Center for Scientific Instrument Renovation and Manufacturing Support		2					2		9		11		6
Global Collaboration Center		8	1	5			14	1			15		
Center for Japanese Language and Culture	6	9	2	2			19				19		4
Center for Environmental Innovation Design for Sustainability		2		4			6	1			7		2
Institute for NanoScience Design		2		1			3				3		4
Intellectual Property Center	2	1	1	1			5		1		6		
Research Center for Nuclear Physics	8	7	1	13			29	2	11		42		24
Cybermedia Center	7	8	4	2			21	2			23		3
Institute of Laser Engineering	11	11	3	4			29	4	19		52		20
Immunology Frontier Research Center	5	19		23			47	26	70		143		19
Institute for Academic Initiatives	9	10	8	28			55	1	20		76		10
Center for Education in Liberal Arts and Sciences	7	7	1	1			16		19		35		32
Teaching and Learning Support Center			2	1			3	2			5		
Tekijuku Commemoration Center		1					1				1	2	
Osaka University Archives		1					1				1		
Support Office for Large-Scale Education and Research Projects	3	2	3	2			10	5			15		
Office for Information and Communication Technology Services	1		1	1			3	-			3		
Organization for COI Research	1						1	3			4	4	

\*Includes both undergraduate and graduate schools \*\*\*Graduate school
The above figures do not include temporary staff, staff currently on leave of absence, or staff on childcare leave.
The administrative office of the Osaka University Law School is that of the School of Law and the Graduate School of Law and Politics.
The administrative office of the Osaka School of International Public Policy is that of the School and Graduate School of Economics.

#### Students

Engineering Science

Undergraduate Enrollment

(as of May 1, 2014)								
	An	nual Qu	ota	Enrollment Number				
Total	3,255	[10]	<60>	15,524 (5,004)				
Letters	165	_	_	756 (410)				
Human Sciences	137	_	<10>	631 (334)				
Foreign Studies	580	_	<10>	2,969 (1,871)				
Law	250	_	<10>	1,119 (393)				
Economics	220	_	<10>	1,038 (229)				
Science	255	_	_	1,198 (250)				
Medicine	260	[10]	<20>	1,365 (646)				
Dentistry	53	_	_	362 (161)				
Pharmaceutical Sciences	80	_	_	406 (159)				
Engineering	820	_	<u> </u>	3,724 (374)				

Note: The figures in [ ] and in <> under "Annual Quota" are numbers of transfer students accepted in the second year and third year, respectively.

1,956 (177)

435

#### Change in Enrollment

#### Undergraduate Enrollment



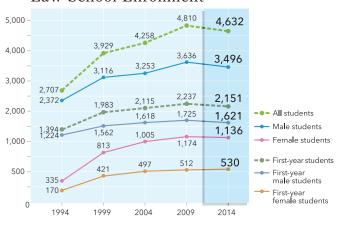
Graduate Enrollment (as of May 1, 2014)									
	Annual Quota	Enrollment Number	Annual Quota	Enrollment Number					
C 11	Ma	ster's courses d Law School		toral courses					
Grand total	2,089	4,632(1,136)	942	3,273 (1,027)					
		Doctoral co	urse (5-yea	ar)					
	Mas	ter's courses	Doctoral courses						
Letters	75	164 (78)	41	202 (102)					
Human Sciences	89	208 (114)	42	191 (102)					
Law and Politics	35	92 (44)	12	47 (12)					
Economics	83	173 (77)	25	104 (26)					
Science	266	532 (109)	126	281 (52)					
Medicine (Health Sciences)	65	160 (104)	23	88 (57)					
Pharmaceutical Sciences (Advanced Pharmaco-science)	75	143 (41)	20	66 (10)					
Engineering	790	1,696 (181)	184	523 (76)					
Engineering Science	267	573 (58)	70	146 (23)					
Language and Culture	67	185 (123)	28	142 (103)					
International Public Policy	35	95 (64)	21	72 (39)					
Information Science and Technology	123	283 (25)	43	124 (16)					
Language and Society (formerly the Osaka University of Foreign Studies)	-	-	-	2 (1)					
Child Development*	-	-	15	53 (37)					
Total	1,970	4,304(1,014)	650	2,041 (656)					
	Master	's course (2-year)							
Letters (Cultural Dynamics)	19	42 (27)	-						
Total	19	42 (27)	-						
	Master	's course(2-year)	Doctor	al course (4-year)					
Medicine	20	53 (28)	172	778 (217)					
Dentistry	-	-	55	173 (70)					
Pharmaceutical Sciences	-	1 (0)	10	13 (3)					
Total	20	54 (28)	237	964 (290)					
			l .	ctoral course itegrated program)					
Frontier Biosciences	-	-	55	268 (81)					
Total	-	-	55	268 (81)					
	Law S	School (3-year)							
Law School	80	232 (67)	-	-					

80 \* United Graduate School of Child Development, Osaka University, Kanazawa University, Hamamatsu University School of Medicine, Chiba University and University of Fukui

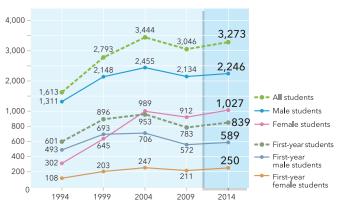
Total

232 (67)

#### Master's Course and Law School Enrollment



#### Doctoral Course Enrollment



#### | Special Training College Enrollment

		(as of May 1, 2014)
	Annual Quota	Enrollment Number
Dental Technology Institute	20	41 (20)
Total	20	41 (20)

Note: Numbers of female students are shown in parentheses ( ) and are included in the adjacent enrollment numbers.

#### Admitted Kyushu and Okinawa 7.8% Kanto 5.1% Students Shikoku 5.1% Other means of qualification 2.1% Location of the High Schools of Admitted -Hokkaido 4.4% Undergraduates Admitted Undergraduates and Tohoku 1.6% 3,434 Tohoku 18 Other means Wakayama 70 (3.7%) of qualification Okinawa 10 Shiga 75 (3.9%) Kyoto 187 (9.8%) Chubu **496** Chugoku Kinki 1,907 Shikoku 174 Hyogo 504 (26.4%)

#### Admitted Undergraduates

(April 2014 Admission) Total 3,255 10,732 3,434 (1,109) Human Sciences 165 621 172 Letters 137 546 141 Foreign Studies 580 2,531 627 Economics 250 839 256 Law 220 890 235 Science 255 707 275 Medicine 260 956 272 Dentistry 53 234 53 Pharmaceutical Sciences 80 380 89 820 1,791 868 Engineering Science 446 435 1,237

#### Admitted Undergraduate Transfer Students

(April 2014 Admission)

		ν.	4
	Annual Quota	App <b>l</b> icants	
Total	-	606	87 (24)
Letters	Very few	5	2
Human Sciences	10	50	10
Foreign Studies	10	27	8
Law	10	56	4
Economics	10	69	4
Medicine (Medicine)*	10	159	10
Medicine (Allied Health Sciences)	20	40	4
Engineering	Very few	135	24
Engineering Science	Very few	65	21
*Santambar 2013 Adm	ission		

<sup>\*</sup>September 2013 Admission

#### Admitted Graduate Students

(April 2014 Admission)									
		Master's C	ourse	Doctoral Course					
	Annual Quota	Applicants	Admitted	Annual Quota	Applicants	Admitted			
Total	1,989	3,313	2,046 (490)	650	569	447 (136)			
Letters	94	150	74	41	57	42			
Human Sciences	89	238	101	42	65	43			
Law and Politics	35	102	48	12	14	9			
Economics	83	229	97	25	28	23			
Science	266	428	23	126	72	72			
Medicine (Health Sciences)	65	103	82	23	40	23			
Pharmaceutical Sciences	75	99	73	20	21	21			
Engineering	790	1,081	815	184	110	106			
Engineering Science	267	385	274	70	38	36			
Language and Culture	67	162	69	28	42	21			
International Public Policy	3	158	44	21	24	8			
Information Science and Technology	123	178	131	43	2	28			
Child Development	_	-	-	15	30	15			

	Ma	ster's Cou	ırse	Dod	ctoral Cou	urse
	Annual Quota	Applicants	Admitted	Annual Quota	Applicants	Admitted
Total	20	60	24 (15)	237	288	225 (60)
Medicine	20	60	24	172	242	189
Dentistry	-	-	-	55	42	36
Pharmaceutical Sciences	-	_	-	10	4	0

Doctoral Co.	urse (5-year integrated program)					
Annual Quota Applicants Admitte						
55	130	62				
55	130	62 (20)				
	Annual Quota 55	55 130				

		_aw School (3-year	
	Annual Quota	Applicants	Admitted
Osaka University Law School	80	419	80
Total	80	419	80 (23)

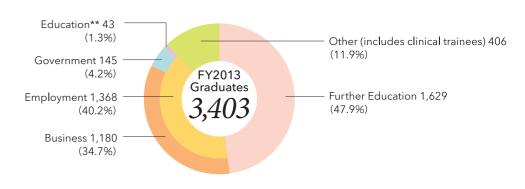
Note: Numbers of female students are shown in parentheses ( ) and are included in the adjacent admitted numbers.

#### After Graduation

(as of March 31, 2014)

		Curre	nt System		FY2013 Graduate Careers					
Undergraduate School	Former System	FY2013	Cumulative	Further		Other				
		F12013	Total	Education	Business	Government	Education**	Total	(includes clinical trainees)	
Total	8,776	3,403	128,973	1,629	1,180	145	43	1,368	406	
Letters	114	193	7,229	34	103	25	10	138	21	
Human Sciences	-	166	4,958	31	90	17	3	110	25	
Foreign Studies*	-	577	4,749	57	403	37	15	455	65	
Law	223	269	10,398	51	147	40	1	188	30	
Economics	233	239	11,920	23	175	11	1	187	29	
Science	1,119	248	11,105	192	31	2	7	40	16	
Medicine (Medicine)	2,489	282	9,142	-	-	-	-	-	103	
Medicine (Allied Health Sciences)	2,409	282	9,142	64	100	2	3	105	10	
Dentistry	-	54	3,119	-	-	-	-	-	54	
Pharmaceutical Sciences	-	80	4,623	53	20	1	0	21	6	
Engineering	4,598	849	42,880	746	69	4	1	74	29	
Engineering Science	_	446	18,850	378	42	6	2	50	18	
Dental Technology Institute		18	933	0	8	0	0	8	10	

<sup>\*</sup>Figure does not include nighttime program students.
\*\*Public or private school teachers



#### Degrees Conferred

(as of March 31, 2014)

	Master <sup>®</sup>	's Course	Doctoral Course						
Graduate School	FY2013 Cumulative		FY2013			Cumulative Total			
	F12013	Total	Course*	Thesis**	Total	Course*	Thesis**	Total	
Total	2,161	60,785	630	49	679	16,453	9,824	26,277	
Letters	87	2,657	24	3	27	540	311	851	
Human Sciences	102	1,617	28	4	32	353	122	475	
Law and Politics	54	902	3	2	5	100	47	147	
Economics	90	1,516	15	0	15	277	128	405	
Science	262	8,649	55	1	56	2,531	816	3,347	
Medicine	102	1,804	156	22	178	4,230	3,531	7,761	
Dentistry	_	-	41	0	41	1,014	363	1,377	
Pharmaceutical Sciences	69	2,822	15	6	21	705	667	1,372	
Engineering	824	26,621	145	9	154	4,050	2,927	6,977	
Engineering Science	291	10,320	53	2	55	1,648	843	2,491	
Language and Culture	65	808	21	0	21	207	19	226	
International Public Policy	32	688	9	0	9	168	30	198	
Information Science and Technology	132	1,544	31	0	31	336	20	356	
Frontier Biosciences	51	645	23	0	23	209	0	209	
Language and Society (Formerly the Osaka University of Foreign Studies)	_	192	2	0	2	65	0	65	
Child Development		-	9	0	9	20	0	20	

<sup>\*</sup>Ph.D. obtained by completing the doctoral course

\*\*Ph.D. obtained by passing thesis examination only

|--|

		is Doctor
	FY2013	Cumulative Total
Law School	76	743

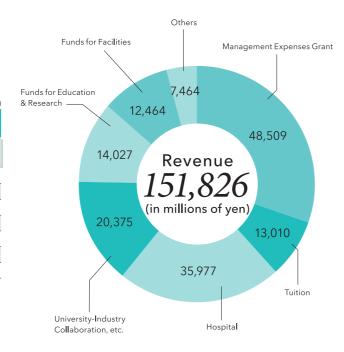
#### Degrees Conferred under the Former System

Total	4,906
Doctor of Letters	23
Doctor of Law	6
Doctor of Economics	29
Doctor of Science	621
Doctor of Medicine	3,553
Doctor of Engineering	674

#### Financial Summary

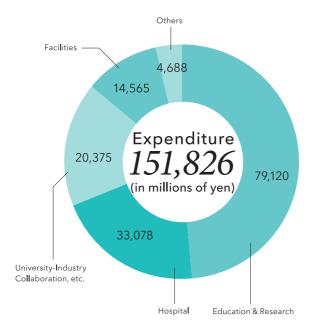
#### Revenue

	(FY2014)
Department	Amount (in millions of yen)
Total	151,826
Management Expenses Grant	48,509
Tuition	13,010
Hospital	35,977
University-Industry Collaboration, etc.	20,375
Funds for Education& Research	14,027
Funds for Facilities	12,464
Others	7,464



#### Expenditure

Dapenditure	(FY2014)
Department	Amount (in millions of yen)
Total	151,826
Education & Research	79,120
Hospital	33,078
University-Industry Collaboration, etc.	20,375
Facilities	14,565
Others	4,688



#### Budget and Management Expenses Grants



#### Funding

#### Grants-in-Aid for

Scientific Research (KAKENHI)

Category Category	Accepted Projects	(FY2013) Amount (in thousands of yen)
Total	3,094	12,437,005
Specially Promoted Research	5	703,240
Scientific Research on Priority Areas	1	2,952
Scientific Research on Innovative Areas (Research in a proposed research area)	209	2,578,680
Fundamental Research (S)	36	1,462,890
Fundamental Research (A)	141	1,749,140
Fundamental Research (B)	387	2,011,620
Fundamental Research (C)	701	1,103,115
Challenging Exploratory Research	459	742,560
Young Scientists (S)	3	46,020
Young Scientists (A)	97	655,078
Young Scientists (B)	549	884,390
Research Activity Start-up	71	100,820
JSPS Fellows	435	396,500

#### Third-Party Funding

Category	Cases	Amount (in thousands of yer		
Total	27,310	19,631,792		
Joint research	961	3,223,943		
Commissioned research, etc.	1,258	10,969,788		
Commissioned research	757	10,509,540		
Clinical research on pharmaceuticals, etc.	487	451,311		
Commissioned trial, etc.	0	0		
Histopathological examination, etc.	14	8,937		
Donations for research, etc.	25,091	5,438,061		
Donations for research	4,975	5,004,954		
Other donations (equipment, etc.)	20,116	433,107		

#### Patents Granted by Department

Patents Granted by Department				(as of M	arch 31	, 2014
	Dom	estic	Intern	ational	Total	
Total	688 (391)		367 (244)		1,055 (635)	
Science*	35	(16)	9	(5)	44	(21)
Medicine*	55	(30)	59	(45)	114	(75)
Osaka University Hospital	5	(5)	1	(1)	6	(6)
Dentistry*	9	(7)	12	(11)	21	(18)
Osaka University Dental Hospital	1	(1)			1	(1)
Pharmaceutical Sciences*	16	(8)	23	(16)	39	(24)
Engineering*	295	(153)	113	(75)	408	(228)
Engineering Science*	53	(20)	12	(8)	65	(28)
Information Science and Technology**	45	(41)	4	(2)	49	(43)
Frontier Biosciences**	1				1	(0)
Research Institute for Microbial Diseases	19	(10)	33	(18)	52	(28)
The Institute of Scientific and Industrial Research	50	(24)	51	(34)	101	(58)
Joining and Welding Research Institute	39	(30)	21	(11)	60	(41)
Institute for Protein Research	2	(1)	1		3	(1)
Research Center for Ultra-High Voltage Electron Microscopy	1		1		2	(0)
Research Center for Solar Energy Chemistry	7	(4)			7	(4)
Global Collaboration Center	1	(1)	1	(1)	2	(2)
Research Center for Nuclear Physics	2	(1)			2	(1)
Cybermedia Center	2	(2)			2	(2)
Institute of Laser Engineering	22	(17)	16	(9)	38	(26)
International Center for Biotechnology	1	(1)			1	(1)
Department of Safety and Hygiene	1	(1)			1	(1)
Office for University-Industry Collaboration	25	(17)	10	(8)	35	(25)
Administration Bureau	1	(1)			1	(1)
*Includes both undergraduate and graduate sch	nools					

#### Health and Labour Sciences Research Grants

<ul> <li>Research areas for open application</li> </ul>					
Research Area	Accepted Projects	Amount (in thousands of yen)			
Total	57	1,863,987			
Research on administration policy	3	24,958			
Basic research on health and science	17	348,246			
Research on diseases and disabilities	27	925,113			
Comprehensive research on health and safety	2	39,500			
Life innovation project for healthy, long lives	8	526,170			

#### Strategic research

Research Area	Accepted Projects	Amount (in thousands of yen)
Total	1	63,634
Research on diseases and disabilities: Strategic research for prevention of aggravation of lifestyle-related diseases	1	63,634

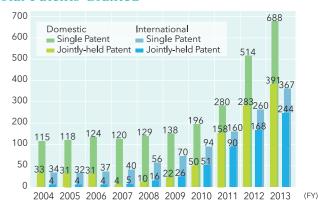
#### Projects Funded by Grants-in-Aid for Scientific Research



#### Total External Funding



#### **Total Patents Granted**



\*\*Graduate school \*\*\*Figures in parentheses ( ) are the numbers of jointly-held patents, which are included in the totals.

# International Exchange

#### Studying Abroad

	Country/Region	School /Faculty	Graduate School	Total
	India	8	4	12
	Indonesia	8	11	19
	Cambodia	0	6	6
	Singapore	2	13	15
	Sri Lanka	0	7	7
	Thailand	18	56	74
	Nepal	0	1	1
	Pakistan	1	0	1
	Bangladesh	4	2	6
Asia	Philippines	7	9	16
	Brunei	0	1	1
	Vietnam	18	11	29
	Malaysia	5	0	5
	Myanmar	1	0	1
	Mongolia	1	3	4
	Laos	0	5	5
	Taiwan	25	32	57
	South Korea	27	27	54
	China	72	43	115
	Egypt	2	0	2
	Kenya	2	2	4
A.C	Zambia	0	3	3
Africa	Tanzania	5	2	7
	Morocco	1	0	1
	South Africa	0	2	2
	Australia	78	20	98
Oceania	New Zealand	1	1	2
	Palau	0	8	8
	Ireland	1	0	1
	UK	66	49	115
_	Italy	11	11	22
Europe	Austria	1	0	1
	Netherlands	45	20	65
	Greece	0	1	1

				(FY2013
	Country/Region	School /Faculty	Graduate School	
	Georgia	0	1	1
	Kosovo	1	0	1
	Switzerland	0	16	16
	Sweden	7	8	15
	Spain	12	6	18
	Denmark	7	5	12
	Germany	26	47	73
	Hungary	5	1	6
_	Finland	3	6	9
Europe	France	14	39	53
	Belarus	1	0	1
	Belgium	3	10	13
	Poland	0	1	1
	Portugal	6	1	7
	Macedonia	1	0	1
	Malta	1	0	1
	Russia	13	0	13
	UAE	1	0	1
	Israel	0	1	1
	Iran	8	0	8
Middle	Kuwait	1	0	 1
East	Turkey	5	0	5
	Palestine	0	1	<u>y</u> . 1
	Jordan	0	1	1
	Argentina	1	0	1
Central	Nicaragua	1	0	1
and	Brazil	11	0	11
South America	Peru	2	0	2
America	Mexico	4	0	4
North	USA	82	155	237
America	Canada	27	13	40
Other	Unknown	5	2	7
Carici	OTIKITOWIT			
Grand to	al	658	664	1,322

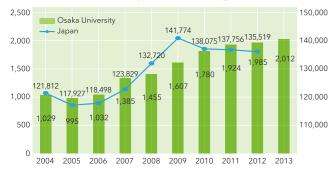
## International Students

#### Funding for International Students (as of May 1, 2014)

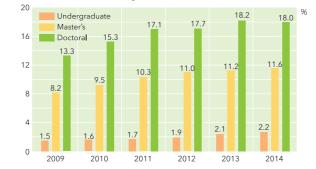
Funding		Japanese Government	Privately-funded	
Undergraduate		80	256	336
	Master's	102	437	539
Graduate	Doctoral	227	361	588
Total		329	798	1,127
Research et	Students, tc.	179	370	549
Grand total		588 (279)	1,424 (722)	2,012 (1,001)

<sup>\*</sup>The figures in parentheses are the number of female students, and are included in the total numbers.

#### International Students at Osaka University and in Japan

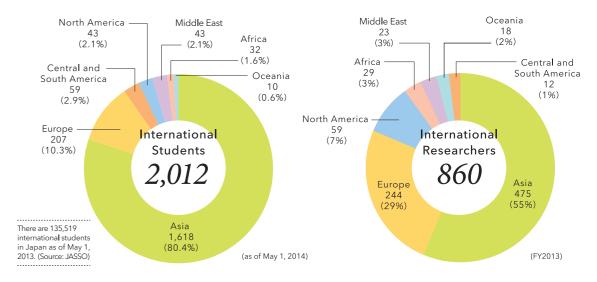


#### Percentage of Students at Osaka University Who Are International



# International Students and Researchers at Osaka University

#### International Students and Researchers by Country and Region

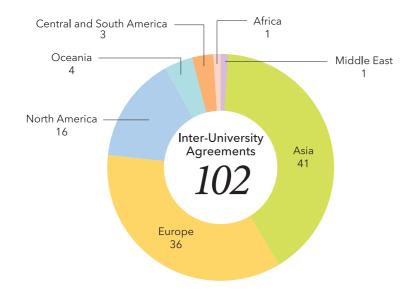


	Country/Region	International Students	International Researchers
	India	31	43
	Indonesia	89	30
	Cambodia	3	_
	Singapore	12	2
	Sri Lanka	9	<del>-</del>
	Thailand	118	18
	Thailand		1
	Nepal	4	4
	Pakistan		11
	Bangladesh	17 27	20
Asia	Philippines	2/	20
Asia	Vietnam	83	29 9
	Malaysia	65	9
	Myanmar	9	2
	Mongolia	9 29	2 2
	Laos	4	_
	Hong Kong	10	_
	Taiwan	80	33
	South Korea	272	79
	China	755	188
		/ 55	4
	North Korea		4
	East Timor	1	_
	Algeria	1	<del>-</del>
	Angola	1	<del>-</del>
	Uganda	1	_
	Egypt	7	18
	Ethiopia	1	_
	Eritrea	1	-
	Cameroon	1	_
	Cote d'Ivoire	2	
	Congo		2
	Zambia	1	<u>-</u>
	Zimbabwe	1	
Africa	Sudan		1
	Sudan	5	
	Senegal	1	<del>-</del>
	Tanzania		
	Mozambique	1	
	South Sudan	1	_
	Tunisia	2	3
	Nigeria	2	1
	Madagascar	2	_
	Malawi	-	1
	Morocco	1	1
	Libya	- :	1
	Australia	3	11
	Solomon Islands	1	<u>-</u>
Oceania	New Zealand	4	6
Cccaiiid	Papua New Guinea	1	
	Fiji	1	11
	loolond		_
	Iceland	1	<u>-</u>
	Ireland	1	3
	UK	8	41
	Italy	3	17
	Ukraine	3	5
Europe	Uzbekistan	4	_
	Austria	3	3
	Netherlands	7	14
	Kazakhstan	2	1
	Cyprus	1	
	Greece		
	Greece	4	_

	Country/Region	International Students	International Researchers		
	Kyrgyz Republic	1	_		
	Croatia	2	3		
	Switzerland	3	7		
	Sweden	8	3		
	Spain	4	8		
	Slovakia	3	1		
	Slovenia	1	4		
	Serbia	1	1		
	Tajikistan	1	_		
	Czech Republic	2	3		
	Denmark	1	6		
	Germany	1 35	36		
	Norway	1	1		
_	Hungary	9	12		
Europe	Finland	4	1		
	France	19	34		
	Bulgaria	14			
	Belarus		1		
	Belgium	2 3	3		
	Poland	8	<u>3</u>		
	Bosnia and Herzegovina	1	0		
	Portugal	2			
	Massdania	1	Z		
	Macedonia Latvia				
		3	<u>Z</u>		
	Lithuania	5 6	1		
	Romania	6	6		
	Russia	30	17		
	Afghanistan	1			
	Yemen	2			
	Israel	5	<del>-</del> 9		
	Iran	12	9		
	Oman	1			
Middle	Saudi Arabia	4	1		
East	Syria	1	<b></b>		
	Turkey	13	11		
	Bahrain		1		
	Palestine	1			
	Jordan	2	1		
	Lebanon	1			
	Argentina	2			
	El Salvador	1	_		
	Guatemala	2 1	_		
	Costa Rica	1	<del>-</del>		
Central	Colombia	2	1		
and	Chile	-	1		
South	Haiti	1			
America	Panama	4			
, unicrica	Brazil	27	3		
	Venezuela	1	1		
	Belize	1			
	Peru	8			
	Mexico	9	3		
North	USA	34	47		
America	Canada	9	12		
Amorica	Sanada	,	12		
Grand to	tal	2,012	860		

16

#### Inter-University Academic Exchange Agreements

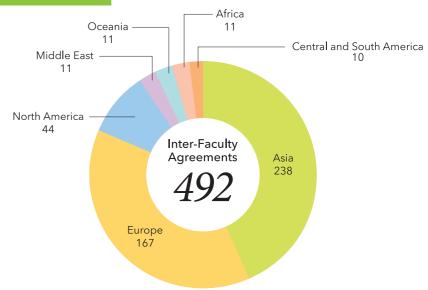


(as	of	February	1,	20
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	Country/Region	Partner Institution	Total
	India	Indian Institute of Technology Hyderabad	1
	Indonesia	Universitas Gadjah Mada	2
	Indonesia	Institut Teknologi Bandung	
		Hanyang University	
		Gyeongsang National University	
		Changwon National University	
	Caush Kanaa	Seoul National University	
	South Korea	Chung-Ang University	9
		Chungnam National University	
		Yonsei University	
		Pusan National University	
		Chonnam National University	
		Kasetsart University	
		Department of Medical Sciences,	
		Ministry of Public Health	
	Thailand	Thammasat University	7
	Inaliand	Chiang Mai University	′
		Chulalongkorn University	
		Mahidol University	
		King Mongkut's University of	
		Technology Thonburi	
		National Chiao Tung University	
	Taiwan	National Tsing Hua University	4
Asia		National Cheng Kung University	
		National Taiwan University	
		Tsinghua University	
		Tongji University	
		Nanjing University	
		Beijing Normal University	
	CI.	The Chinese University of Hong Kong	
	China	Shanghai Jiao Tong University	11
		Xi'an Jiaotong University	
		Wuhan University	
		Fudan University	
		Peking University	
		Zhejiang University	
		Ateneo de Manila University	
	Philippines	De La Salle University	
		University of the Philippines Manila	3
		Vietnam National University, Hanoi	
	\ , # ·	Vietnam Academy of Science	
	Vietnam	and Technology	,
		Vietnam National University,	3
		Ho Chi Minh City	
	Mongolia	National University of Mongolia	
∕Iidd <b>l</b> e East	Saudi Arabia	King Abdulaziz University	1
Africa	Egypt	Alexandria University	1
,,,,cu	-9) Pt	The University of Adelaide	<del>- '-</del>
		The Australian National University	
Oceania	Australia	The University of Queensland	4
		Monash University	
	Brazil	Universidade de São Paulo	1
entral and			
Central and South	Peru	Pontificia Universidad Católica del Perú	1

	Country/Region	Partner Institution	
	UK	The University of Sheffield The University of Nottingham University College London University of Leeds	4
	Austria	Universität Wien	1
	Netherlands	University of Groningen Delft University of Technology	2
	Switzerland	École Polytechnique Fédérale de Lausanne	1
	Sweden	Royal Institute of Technology  Karolinska Institutet	3
	Spain	University of Gothenburg University of Valladolid	2
	Denmark	Universidad Autónoma de Madrid	
	Denmark	Københavns Universitet RWTH Aachen University	!
Europe		University of Augsburg Friedrich-Alexander University of Erlangen-Nuremberg Georg-August-Universität Göttingen	
	Germany	Universität Heidelberg Universität Bielefeld Ludwig-Maximilians-Universität München	11
		Technische Universität München Goethe-Universität Frankfurt Ruhr Universität Bochum	
	Hungary	Technische Universität Berlin Eötvös Loránd University	1
	Finland	Åbo Akademi University	1
	France	Grenoble Universités Demain l' Universités de Strasbourg Chimie ParisTech Université Pierre et Marie Curie Centre National de la Recherche Scientifique Université Bordeaux 1	6
	Belgium	Interuniversitair Micro-Electronica Centrum vzw Université catholique de Louvain	2
	Russia	St. Petersburg State University	1
	Canada	University of Toronto Conference des Recteurs et des Principaux des Universites du Quebec The University of British Columbia McGill University McMaster University	5
North America	USA	Indiana University The University of Georgia Purdue University Rice University Wesleyan College University of California University of California, Berkeley Cornell University Texas A&M University Nazareth College	11
		University of Washington	

#### Inter-Faculty Academic Exchange Agreements



Letters*			(as of F					(as of Febru	ary 1, 2015
Human Sciences*		Asia	Middle East	Africa	Oceania			Europe	Total
School of Foreign Studies         22         6         1         1         4         1         16         51           Law and Politics/Law*         20         0         0         1         1         3         7         32           Economics*         3         0         0         0         3         0         3         7         33           Science*         12         1         0         0         5         0         13         33           Medicine*         17         1         0         0         5         0         13         33           Medicine*         17         1         0         0         5         1         4         16         22         1         6         22         1         6         22         1         6         22         1         6         22         1         6         22         1         1         4         16         16         16         10         0         0         1         0         0         1         1         2         1         1         2         0         0         1         1         2         1         1         2 <td>Letters*</td> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>10</td> <td>12</td>	Letters*	2	0	0	0	0	0	10	12
Law and Politics/Law* 20 0 0 1 1 1 3 7 32 Economics* 3 0 0 0 0 3 0 3 5 Economics* 12 1 0 0 0 5 0 13 31 Medicine* 17 1 0 0 0 5 0 13 33 Medicine* 17 1 0 0 0 5 1 1 4 16 Pharmaceutical Sciences* 0 0 0 0 0 1 0 0 1 0 0 1 1 6 Ergineering* 43 0 3 2 4 1 26 Engineering* 43 0 3 3 2 4 1 26 Engineering* 12 1 0 0 1 7 0 17 38 Language and Culture** 12 1 0 0 1 7 0 17 38 Language and Culture** 12 1 0 0 1 7 0 17 38 Language and Culture** 12 1 0 0 1 7 0 17 38 Language and Culture** 10 1 1 2 0 1 0 2 16 Information Science and Technology** 6 0 0 0 1 2 0 1 0 2 16 Information Science and Technology** 9 0 0 0 0 0 0 1 4 7 0 0 2 11 Frontier Blosciences** 10 0 0 0 0 0 0 1 4 7 0 0 2 11 Frontier Blosciences** 10 0 0 0 0 0 0 0 1 4 7 0 0 6 The Institute of Scientific and Industrial Research 10 0 0 0 0 0 0 0 0 0 0 0 0 0 6 The Institute of Scientific and Industrial Research 12 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	Human Sciences*	1	0	0	0	1	0	3	5
Science	School of Foreign Studies	22	6	1	1	4	1	16	51
Science	Law and Politics/Law*	20	0	0	1	1	3	7	32
Medicine*	Economics*	3	0	0	0	3	0	3	9
Dentistry*	Science*	12	1	0	0	5	0	13	31
Pharmaceutical Sciences* 0 0 0 0 0 1 0 0 1 0 0 1 1 0 0 1 1 2 6 75	Medicine*	17	1	0	0	2	1	6	27
Engineering*  43 0 3 2 4 1 26 79  Engineering Science*  12 1 0 1 7 0 17 38  Language and Culture**  22 5 1 1 1 5 1 27 62  International Public Policy**  10 1 2 0 1 0 2 16  Information Science and Technology**  6 0 0 0 1 2 0 0 2 11  Frontier Biosciences**  2 0 0 0 0 0 1 2 0 0 2 11  Frontier Biosciences**  2 0 0 0 0 0 0 1 4 7 7  Law School**  Research Institute for Microbial Diseases 4 0 2 0 0 0 0 0 0 0 6  The Institute of Scientific and Industrial Research 12 0 1 0 1 0 1 0 6  Institute of Protein Research  7 0 0 0 1 0 1 0 1 0 9  Institute of Sciolal and Economic Research 4 0 0 0 0 1 0 1 0 1 0 9  Institute of Sciolal and Economic Research 4 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0	Dentistry*	5	1	0	0	5	1	4	16
Engineering Science*  12 1 0 1 7 0 17 38  Language and Culture**  22 5 1 1 1 5 1 27 62  International Public Policy**  10 1 2 0 1 0 2 11  Information Science and Technology**  6 0 0 0 1 2 0 0 2 11  Augustion Science and Technology**  6 0 0 0 1 2 0 0 2 11  Law School**  10 0 0 0 0 0 0 1 4 7  Law School**  10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Pharmaceutical Sciences*	0	0	0	0	1	0	0	1
International Public Policy**  10 1 2 0 1 0 2 16  Information Science and Technology**  6 0 0 0 1 2 0 0 2 11  Frontier Biosciences**  2 0 0 0 0 0 1 2 0 2 11  Frontier Biosciences**  2 0 0 0 0 0 0 1 4 7 7  Law School**  10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Engineering*	43	0	3	2	4	1	26	79
International Public Policy**	Engineering Science*	12	1	0	1	7	0	17	38
Information Science and Technology**	Language and Culture**	22	5	1	1	5	1	27	62
Frontier Biosciences**    2   0   0   0   0   1   4   7	International Public Policy**	10	1	2	0	1	0	2	16
Law School**    10	Information Science and Technology**	6	0	0	1	2	0	2	11
Research Institute for Microbial Diseases         4         0         2         0         0         0         6           The Institute of Scientific and Industrial Research         12         0         1         0         1         0         6         20           Institute of Social and Economic Research         7         0         0         1         0         1         0         1         0         9         9         9         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         0         1         4         4         0         0         0         0         1         0         1         0         1         0         1         0         0         1         0         1         4         4         0         0         0         0         0         0         0         0         1         4         4         0         0         0         0         0         0         0         0         0         0         0         0	Frontier Biosciences**	2	0	0	0	0	1	4	7
The Institute of Scientific and Industrial Research	Law School**	10	0	0	0	0	3	5	18
Institute for Protein Research	Research Institute for Microbial Diseases	4	0	2	0	0	0	0	6
Institute of Social and Economic Research	The Institute of Scientific and Industrial Research	12	0	1	0	1	0	6	20
Joining and Welding Research Institute   32   1   1   1   1   0   11   47	Institute for Protein Research	7	0	0	1	0	1	0	9
Research Center for Ultra-High Voltage Electron Microscopy         0         0         0         0         1         0         0         1           International Center for Biotechnology         5         0	Institute of Social and Economic Research	4	0	0	0	1	0	1	6
Ultra-High Voltage Electron Microscopy         0	Joining and Welding Research Institute	32	1	1	1	1	0	11	47
Research Center for Solar Energy Chemistry   3	Research Center for Ultra-High Voltage Electron Microscopy	0	0	0	0	1	0	0	1
The Center for Advanced Medical Engineering and Informatics  1 0 0 0 1 0 0 0 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	International Center for Biotechnology	5	0	0	0	0	0	0	5
Engineering and Informatics         1         0         0         1         0         4         6           Center for the Study of Communication-Design         0         0         0         0         0         0         1         <	Research Center for Solar Energy Chemistry	3	0	0	0	0	0	1	4
Global Collaboration Center         5         0         0         1         0         0         1         7           Center for Japanese Language and Culture         0         0         0         1         1         1         1         12         15           Research Center for Nuclear Physics         6         0         1         0         1         0         7         15           Cybermedia Center         2         0         0         1         2         0         1         6         0         1         2         0         1         6         0         1         2         0         1         6         0         1         2         0         1         6         0         1         6         0         1         2         0         1         6         0         1         2         0         1         6         0         1         6         0         0         7         0         9         32         1         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td>The Center for Advanced Medical Engineering and Informatics</td> <td>1</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>4</td> <td>6</td>	The Center for Advanced Medical Engineering and Informatics	1	0	0	1	0	0	4	6
Center for Japanese Language and Culture         0         0         0         1         1         1         12         15           Research Center for Nuclear Physics         6         0         1         0         1         0         7         15           Cybermedia Center         2         0         0         1         2         0         1         2         0         1         6           Institute of Laser Engineering         16         0         0         0         7         0         9         32           Immunology Frontier Research Center         2         0 <td>Center for the Study of Communication-Design</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td>	Center for the Study of Communication-Design	0	0	0	0	0	0	1	1
Research Center for Nuclear Physics         6         0         1         0         1         0         7         15           Cybermedia Center         2         0         0         1         2         0         1         6           Institute of Laser Engineering         16         0         0         0         7         0         9         32           Immunology Frontier Research Center         2         0         0         0         0         0         0         0         0         2           Department of Safety and Hygiene         1         0         0         0         0         0         0         0         0         0         1           The Museum of Osaka University         1         0         0         0         0         0         0         0         0         0         0	Global Collaboration Center	5	0	0	1	0	0	1	7
Cybermedia Center         2         0         0         1         2         0         1         6           Institute of Laser Engineering         16         0         0         0         7         0         9         32           Immunology Frontier Research Center         2         0 <td>Center for Japanese Language and Culture</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>1</td> <td>1</td> <td>12</td> <td>15</td>	Center for Japanese Language and Culture	0	0	0	1	1	1	12	15
Institute of Laser Engineering         16         0         0         0         7         0         9         32           Immunology Frontier Research Center         2         0	Research Center for Nuclear Physics	6	0	1	0	1	0	7	15
Immunology Frontier Research Center         2         0         0         0         0         0         0         2           Department of Safety and Hygiene         1         0         0         0         0         0         0         0         0         1           The Museum of Osaka University         1         0         0         0         0         0         0         0         1	Cybermedia Center	2	0	0	1	2	0	1	6
Department of Safety and Hygiene         1         0         0         0         0         0         0         1           The Museum of Osaka University         1         0         0         0         0         0         0         0         0	Institute of Laser Engineering	16	0	0	0	7	0	9	32
The Museum of Osaka University         1         0         0         0         0         0         0         1	Immunology Frontier Research Center	2	0	0	0	0	0	0	2
	Department of Safety and Hygiene	1	0	0	0	0	0	0	1
Teaching and Learning Support Center 0 0 0 0 0 0 1 1	The Museum of Osaka University	1	0	0	0	0	0	0	1
	Teaching and Learning Support Center	0	0	0	0	0	0	1	1

<sup>\*</sup>Includes both undergraduate and graduate schools
\*\*Graduate school

# International Joint Research | Promotion Program

#### Supporting cutting-edge research and exchange with the international community

As a measure for promoting its academic initiatives, Osaka University established the International Joint Research Promotion Program in 2013. This program is designed to support advanced research projects implemented jointly by international researchers and Osaka University researchers, with a view to enhancing research quality and promote the globalization of Osaka University. As a first step toward the establishment of international joint laboratories, this program will play a leading role

in promoting the globalization of the university through seminars and lectures given by visiting researchers.

#### Projects selected in 2013-2014

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Formation and Evo	lution of Supermassive Black Holes from Cosmological Perspective
Project Leader	Kentaro NAGAMINE, Professor, Course in Earth and Space Science, Graduate School of Science
Visiting Researcher	Isaac SHLOSMAN, Professor, Department of Physics & Astronomy, University of Kentucky
Comparative Twin	Study between Japan and Finland: How Genetic and Environmental Factors Shape Health of the Elderly
Project Leader	Kazuo HAYAKAWA, Professor, School of Allied Health Sciences, Graduate School of Medicine
Visiting Researcher	
	pmental pattern of oral and maxillofacial structures
Project Leader	Shumei MURAKAMI, Associate Professor, Oral Sciences, Graduate School of Dentistry
Visiting Researcher	Sven KREIBORG, Director, Professor, 3D Craniofacial Image Research Laboratory, University of Copenhagen
	ness emerging through intersubjective synchrony
	Minoru ASADA, Professor, Department of Adaptive Machine Systems, Graduate School of Engineering
Project Leader	
Visiting Researcher	
	ing Study on Enhancement of Absorption Efficiency and Practical Utilization of Marine Renewable Energies
Project Leader	Masashi KASHIWAGI, Professor, Global Architecture, Graduate School of Engineering
Visiting Researcher	Pierre FERRANT, Professor, LHEEA (Laboratoire de Recehrche en Hydrodynamique, Énergétique et Énvironnement Atmosphérique), École Centrale de Nantes, Franc
Exploring of High I	Energy Density Matter with Photon and Beam Technologies under Japan and France Cooperation
Project Leader	Ryousuke KODAMA, Professor, Electrical, Electronic and Information Engineering, Graduate School of Engineering
Visiting Researcher	Michel KOENIG, Research Director, Intense Lasers Laboratory (LULI), École Polytechnique
Chemical identifica	ntion of individual surface atoms
Project Leader	Yo shiaki  SUGIMOTO, Associate  Professor,  Electrical,  Electronic  and  Information  Engineering,  Graduate  School  of  Engineering
Visiting Researcher	Pavel JELINEK, Group Leader, Institute of Physics, Academy of Science of the Czech Republic
Development of H	eterogenous Single-site Catalysts through Precise Modification of Metal-oxide Surface
Project Leader	Kazushi MASHIMA, Professor, Department of Materials Engineering Science, Graduate School of Engineering Science
Visiting Researcher	Christophe COPÉRET, Professor, ESC Inorganic Chemistry, Eidgenössische Technische Hochschule Zürich
Development of A	nalysis Method for Software License Evolution
Project Leader	Katsurou INOUE, Professor, Department of Computer Science, Graduate School of Information Science and Technology
Visiting Researcher	Daniel Morales GERMAN, Associate Professor, Department of Computer Science, University of Victoria, Canada
Neural mechanism	of active vision studied by combining large-scale sampling of neural activity and advanced computational analysis
Project Leader	Ichiro FUJITA, Professor, Department of Frontier Biosciences, Graduate School of Frontier Biosciences
Visiting Researcher	Sonja GRÜN, Vice Director, Head of Laboratory, Institute of Neuroscience and Medicine (INM-6) and Institute for Advanced Simulation (IAS-6), Jülich Research Centre and JARA; Professor, Theoretical Systems Neurobiology, RWTH Aachen University
Mechanism of bact	erial homeostasis mediated by transporters and development of new therapeutic strategies to control infectious diseases
Project Leader	Kunihiko NISHINO, Associate Professor, The Institute of Scientific and Industrial Research
Visiting Researcher	Aixin YAN, Assistant Professor, School of Biological Sciences, University of Hong Kong
Structural analysis	of the photosynthetic energy transduction for light-driven biohydrogen production by artificial cell
Project Leader	Genji KURISU, Professor, Institute for Protein Research
Visiting Researcher	Thomas HAPPE, Professor, Department of Photobiotechnology, Ruhr University Bochum
Molecular Mechan	ism of chromosome dynamics & epigenome in suppression of chromosome instability
Project Leader	Akira SHINOHARA, Professor, Institute for Protein Research
Visiting Researcher	Susan Margaret GASSER, Director, Friedrich Miescher Institute for Biomedical Research
	nic Theory and its application to Mechanism Design
Project Leader	Shigehiro SERIZAWA, Professor, Institute of Social and Economic Research
Visiting Researcher	Debasis MISHRA, Associate Professor, Economics and Planning Unit, Indian Statistical Institute
	eversal symmetry with high density UCN
Project Leader	Kichiji HATANAKA, Professor, Research Center for Nuclear Physics
Visiting Researcher	Akira KONAKA, Group Leader, Particle Physics; Senior Research Scientist, Science Division, TRIUMF

#### Projects selected in 2014-2015

Cognitive Neurosci	ience and Social Gerontology Studies Aiming to Develop A Care Welfare Service for Successful Aging in the Super-Aging Elder
Project Leader	Mariko OSAKA, Professor, Graduate School of Human Sciences
Visiting Researchers	Hideya Koshino, Professor, Department of Psychology, California State University Victor Pestoff, Professor, Institute of Civil Society, Ersta Sköndal University College Daniela Jopp, Assistant Professor, Department of Psychology, Fordham University
Establishing a Center	for Academic Exchange in Human Sciences Between France and Japan: With a Focus in Philosophy, Social Pedagogy, and Clinical Psycholog
Project Leader	Tatsuya HIGAKI, Professor, Graduate School of Human Sciences
Visiting Researcher	Anne Sauvagnargues, Professeur, Université de Paris 10, Ouest Nanterre
Framework for a co	ollaborative medical research governance between researchers and research participants
Project Leader	Kazuto KATO, Professor, Department of Biomedical Research and Public Policy, Graduate School of Medicine
Visiting Researcher	Jane Kaye, Director, Nuffield Department of Population Health, Centre for Health, Law and Emerging Technologies (HeLEX), University of Oxford
Nano-functional Ph	: notonics: study of new nano optical/photonic functions originating from the interaction of photon and nano-structured material
Project Leader	Satoshi KAWATA, Professor, Graduate School of Engineering
Visiting Researcher	Sekkat Zouheir, Director, The Optics & Photonics Center, The Moroccan Foundation for Science Innovation and Research (MASdR)
Quest of unusual e	lectronic functionality of organic semiconductors by essential evaluation on material properties
Project Leader	Shu SEKI, Professor, Department of Chemistry, Graduate School of Engineering
Visiting Researcher	Samson A. Jenekhe, Professor, Department of Chemical Engineering, University of Washington
Peace and Stability	r in the Asia-Pacific Region: Multi-layered Analysis toward Formation of International Code of Conduct and Norm
Project Leader	Yoneyuki SUGITA, Professor, Graduate School of Language and Culture
Visiting Researchers	Bart Gaens, Senior Research Fellow, Global Security Research Programme, The Finnish Institute of International Relations John Paden, Clarence Robinson Professor of International Studies, Public and International Affairs, George Mason University Laura Hein, Professor, Department of History, Northwestern University Marie Söderberg, Director, European Institute of Japanese Studies
Infertililty related ç	gene function analysis using knockout mice
Project Leader	Masahito IKAWA, Professor, Research Institute for Microbial Diseases
Visiting Researcher	Martin M. Matzuk, Professor, Department of Pathology & Immunology, Baylor College of Medicine

#### Overseas Centers

#### North American Center for Academic Initiatives (San Francisco Office)

44 Montgomery St., Suite 3580, San Francisco, CA 94104 USA

Tel: +1-415-296-8561 / Fax: +1-415-296-8676

URL: www.osaka-u-sf.org

Established: April 2004

#### European Center for Academic Initiatives (Groningen Office)

Oude Kijk in 't Jatstraat 26, 9712 EK Groningen, The Netherlands

Tel: +31-50-363-8865

URL: www.osaka-u-groningen.org

Established: April 2005

#### ASEAN Center for Academic Initiatives (Bangkok Office)

159 Serm-Mit Tower, 10th Fl., Room C, Sukhumvit(21)Rd., Klongtoey-Nua, Wattana, Bangkok, 10110 Thailand

Tel: +66-2-661-7584 / Fax: +66-2-661-7585

URL: www.osaka-u-bangkok.org

Established: April 2006

#### East Asian Center for Academic Initiatives (Shanghai Office)

Room 817, Tongji Building Block A, No. 1, Zhang Wu Road,

Shanghai City 200092, China

Tel: +86-21-6598-5665 / Fax: +86-21-6598-5535

URL: www.shanghai-center.osaka-u.ac.jp

Established: February 2010

#### Locations

#### Suita Campus

Suita, Osaka

#### Nakanoshima Center

Osaka, Osaka

#### Toyonaka Campus

Toyonaka, Osaka

#### Tokyo Office Chiyoda-ku, Tokyo

Minoh Campus Minoh, Osaka