

2015

2015 Annual Report on UNLV Research Activity

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DIVISION OF RESEARCH AND ECONOMIC DEVELOPMENT

2015 ANNUAL REPORT ON UNLV RESEARCH ACTIVITY

THE UNLV DIVISION OF RESEARCH AND ECONOMIC Development reports annual data characterizing institutional research activity in order to evaluate campus research productivity and to facilitate strategic benchmarking and planning.

UNLV sponsored programs expenditures have increased approximately 15 percent since 2012; in the same period, research expenditures increased nearly 17 percent. This year alone, the university performed research, public service, and instruction activities associated with externally funded grants and contracts valued at nearly \$50 million.

The College of Sciences received more than \$13.2 million in award funding in FY15, the largest amount among the colleges. The Greenspun College of Urban Affairs posted the largest percentage gain in award funding in FY15 with a 665 percent increase (from \$203,544 in FY14 to approximately \$1.6 million in FY15). The Colleges of Education, Business, and Fine Arts also showed significant percentage increases. Award funding from the private sector and foundations also increased by 86 percent to more than \$2.8 million.

Patent applications emerging from university research, primarily in

the disciplines of science, engineering, and gaming innovation, have tripled in the last two years, and three startup companies have also been formed. UNLV's metrics in these areas are now comparable to those of several peer institutions.

"The incredible growth in patent and startup activity is evidence of the university's commitment to the economic development of the State of Nevada," said Thomas Piechota, vice president for research and economic development. "UNLV is an integral partner in the diversification and growth of our state's economy, as well as in building the quality of life in our community. We are proud of UNLV's research and economic development endeavors and remain dedicated to their success."

Disclosures of faculty research with commercialization potential have increased 89 percent since FY13, and revenue from licensing agreements increased significantly in the last three years.

Another measure of university research activity is the number of doctoral degrees conferred, as doctoral programs require a strong research component culminating in the doctoral dissertation. UNLV doctoral conferrals increased 19 percent in FY15.

SPONSORED PROGRAM ACTIVITY

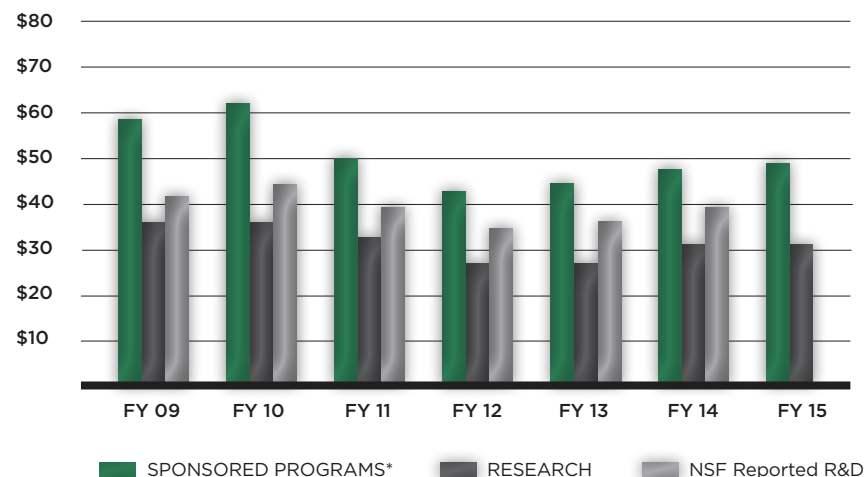
► EXPENDITURES

	Sponsored Programs*	Research	NSF Reported R&D
FY09	\$59,359,059	\$36,156,589	\$41,652,000
FY10	\$62,414,679	\$35,913,552	\$44,457,000
FY11	\$50,210,861	\$32,581,329	\$39,526,000
FY12	\$42,924,520	\$27,072,642	\$34,543,000
FY13	\$44,593,471	\$27,649,163	\$35,935,000
FY14	\$48,144,405	\$31,027,377	\$39,448,000
FY15	\$49,262,898	\$31,641,467	**

* Sponsored programs expenditures include research, instruction/training, and other sponsored activity (i.e., public service, student services, etc.).

** NSF Reported R&D expenditure data will be available February 2016.

Expenditures FY09-FY15, in millions

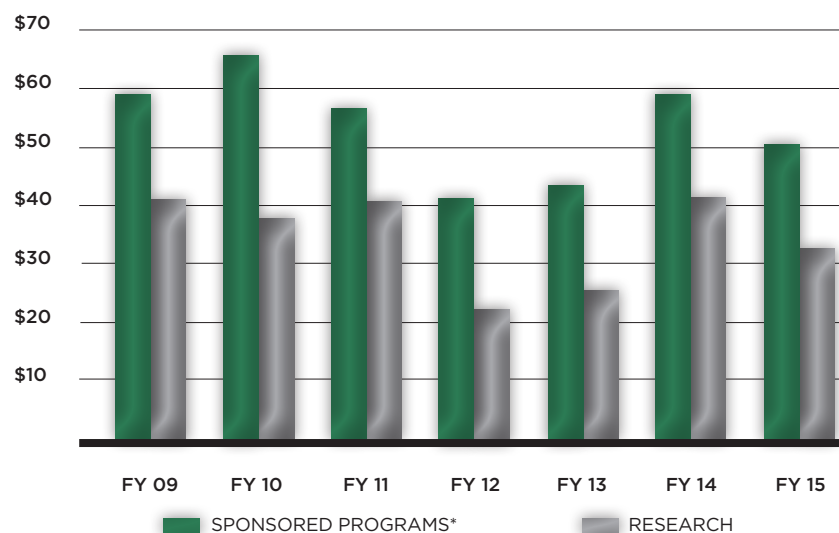


► AWARDS

	Sponsored Programs*	Research
FY09	\$59,874,418	\$40,097,479
FY10	\$65,222,872	\$38,381,001
FY11	\$56,090,962	\$40,398,054
FY12	\$40,772,216	\$22,565,629
FY13	\$43,204,579	\$26,585,099
FY14	\$59,636,152	\$41,477,222
FY15	\$50,658,340	\$32,082,224

* Sponsored programs funding includes awards for research, instruction/training and other sponsored activity (i.e., public service, student services, etc.).

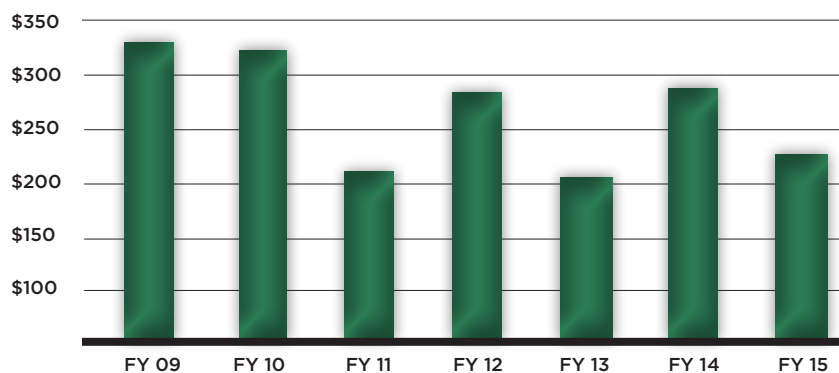
Awards FY09-FY15, in millions



► PROPOSALS

FY09	\$326,594,089
FY10	\$323,327,776
FY11	\$210,857,602
FY12	\$281,270,704
FY13	\$203,337,011
FY14	\$286,087,223
FY15	\$226,756,850

Proposals FY09-FY15, in millions



► UNLV AWARD DATA | FY15

Funding by College/Unit	Awards	Amount
Sciences	109	13,253,233
Student Life	20	11,163,804
Div Health Sciences	59	10,350,011
Engineering	103	9,266,658
Education	22	1,776,332
Urban Affairs	10	1,558,050
Liberal Arts	8	815,220
Provost	6	427,205
VPRED	2	419,500
Business	10	362,335
Library	2	343,770
President's Office	2	337,605
Fine Arts	6	253,837
Law School	4	202,780
Hotel Administration	2	116,000
VPEO	2	12,000
Total	367	\$50,658,340

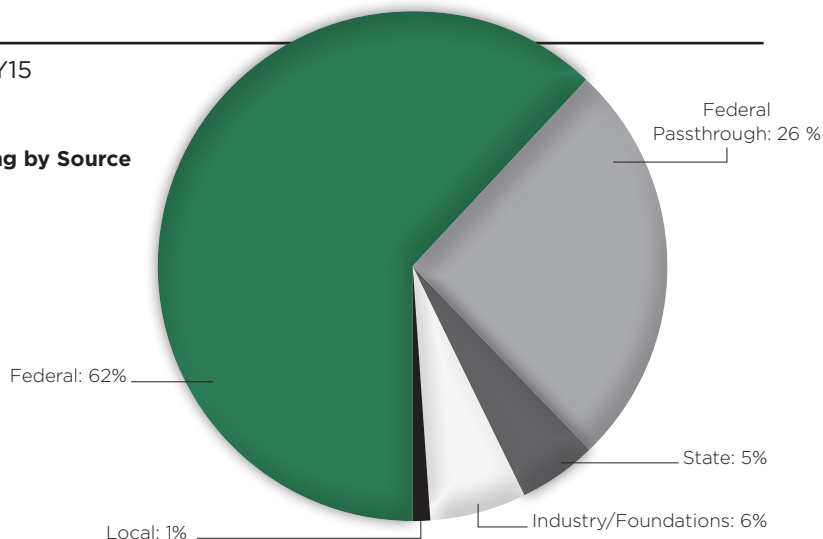
Federal Agency	Awards	Amount
Education	18	10,609,228
Health & Human Services	26	7,434,903
NSF	41	5,033,916
Energy	18	2,935,896
Agriculture	2	2,098,145
Defense	8	2,030,771
NASA	7	753,747
NEH	1	311,070
Interior	7	259,412
Justice	1	59,618
Homeland Security	1	30,000
Nuclear Waste Tech Rev Brd	1	6,000
Total	131	\$31,562,706

*Financial aid funds (e.g., Pell grants and Millennium Scholarships) are no longer included in these amounts.

► SPONSORED PROGRAM FUNDING BY SOURCE | FY15

Sources of Funding	Awards	Amount
Federal	131	31,562,706
Federal Pass Through	141	13,430,417
State	47	2,381,089
Industry/ Foundations	42	2,830,597
Local	6	453,531
Total	367	\$50,658,340

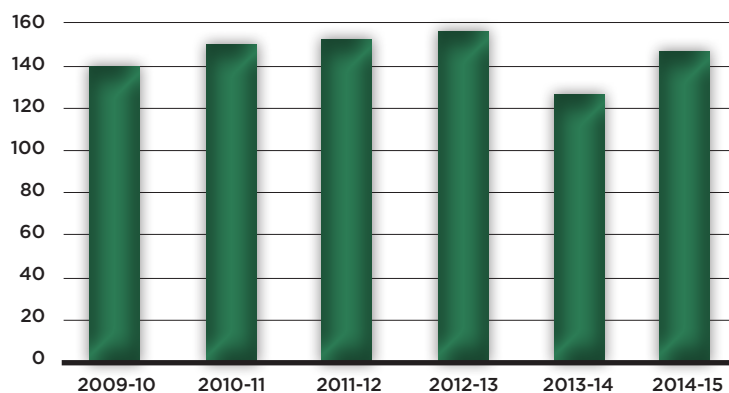
Funding by Source



► DOCTORAL DEGREES CONFERRED | AY09/10 - 14/15

Academic Year	Number Conferred
2009-10	140
2010-11	150
2011-12	153
2012-13	156
2013-14	124
2014-15	147

DOCTORAL DEGREES CONFERRED, AY09/10-14/15

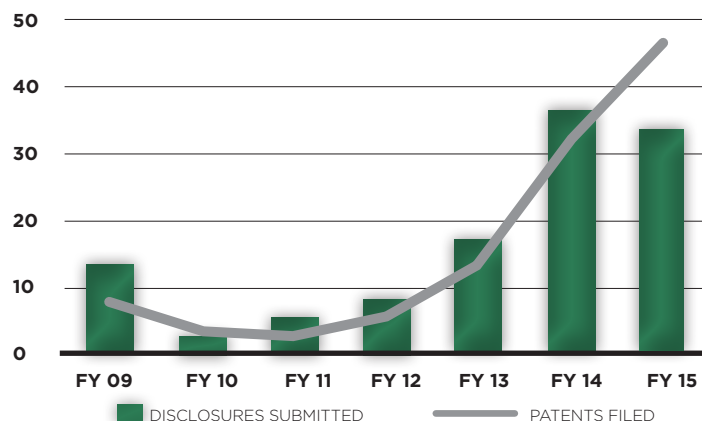


► RESEARCH DISCLOSURES, PATENT ACTIVITY & STARTUPS

FY09-15

	Disclosures Submitted	Issued Patents	Patents Filed	Startups
FY2009	14	1	8	0
FY2010	3	3	4	0
FY2011	6	2	3	0
FY2012	9	1	5	0
FY2013	18	3	14	0
FY2014	37	1	32	0
FY2015	34	1	47	3

NUMBER OF RESEARCH DISCLOSURES SUBMITTED VS. PATENT APPLICATIONS FILED, FY09-15

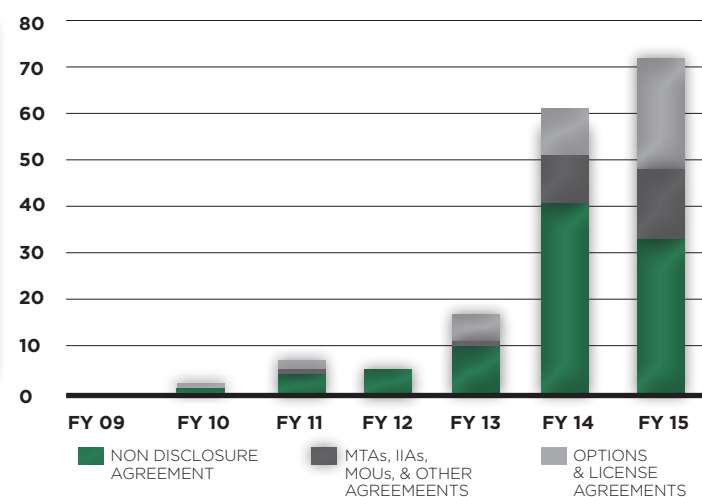


► AGREEMENTS AND LICENSING REVENUE | FY09-15

	Nondisclosure Agreements	MTAs, IIAs & MOUs	Options & License Agreements	Total	Total Licensing Revenue
FY2009	0	0	0	0	
FY2010	1	0	1	2	
FY2011	4	1	2	7	
FY2012	5	0	0	5	
FY2013	10	1	6	17	\$32,281
FY2014	41	10	10	61	\$57,986
FY15	33	15	24	72	\$126,242

MTA — Material Transfer Agreement
IIA — Inter-Institutional Agreement
MOU — Memorandum of Understanding

NUMBER OF AGREEMENTS EXECUTED, FY09-15



► INSTITUTIONAL REVIEW BOARD APPROVALS | FY09-15

	Biomedical	Social/Behavioral	Total
FY2009	75	254	329
FY2010	91	228	319
FY2011	93	230	323
FY2012	75	214	289
FY2013	77	184	261
FY2014	122	200	322
FY2015	108	187	295

NUMBER OF INSTITUTIONAL REVIEW BOARD APPROVALS, FY09-15

