

2016

2016 Annual Report on UNLV Research Activity

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2016 ANNUAL REPORT ON UNLV RESEARCH ACTIVITY

DIVISION OF RESEARCH AND ECONOMIC DEVELOPMENT

166

Doctoral
degrees
conferred
for 2015-16

THE UNLV DIVISION OF RESEARCH AND ECONOMIC DEVELOPMENT reports data characterizing institutional research activity in order to measure and evaluate campus research productivity and to facilitate benchmarking to promote future growth. The following report contains compilations of standard institutional research metrics as well as pertinent graduate education data.

Research and economic development activities increased for the fourth consecutive year. Research awards rose by 7.5 percent to nearly \$34.5 million, and proposals increased by 2 percent. Total sponsored program expenditures held steady from FY2015 at roughly \$49.2 million.

The College of Sciences received the largest amount of award funding among the colleges once again: nearly \$15 million through more than 100 awards. Engineering followed with roughly \$7.6 million in awards. The College of Education posted the largest percentage gain in award funding in FY16 with a nearly 47 percent increase from \$1,776,332 in FY15 to \$2,609,366 in FY16.

UNLV's economic development activities continue to grow. Sixty-one patent applications (including conversions) were filed in FY16, an increase of 17 percent over FY15, and licensing revenue doubled from \$126,242 in FY15 to \$252,309 in FY16.

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 nearly 13 percent in FY16 to 166 degrees conferred.

\$49.2M

Amount of
total sponsored
program
expenditures in
FY2016

SPONSORED PROGRAM ACTIVITY

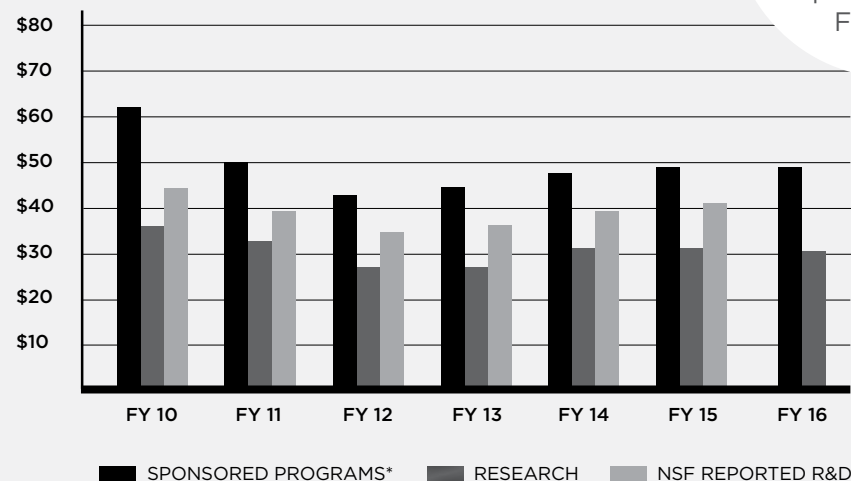
► EXPENDITURES

	Sponsored Programs*	Research	NSF Reported R&D
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	\$42,000,000
FY16	\$49,202,054	\$30,530,900	**

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

** NSF Reported R&D expenditure data will be available February 2017.

Expenditures FY10-FY16, in millions

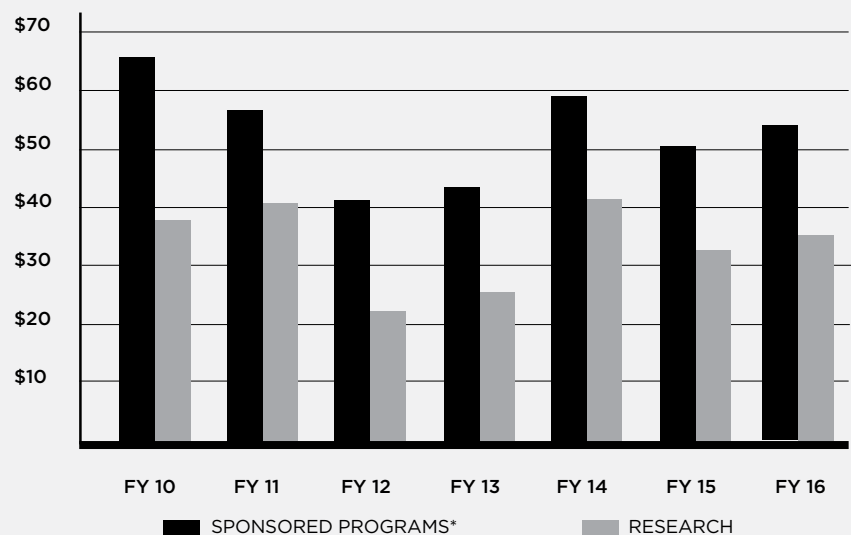


► AWARDS

	Sponsored Programs*	Research
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
FY16	\$53,357,694	\$34,493,983

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

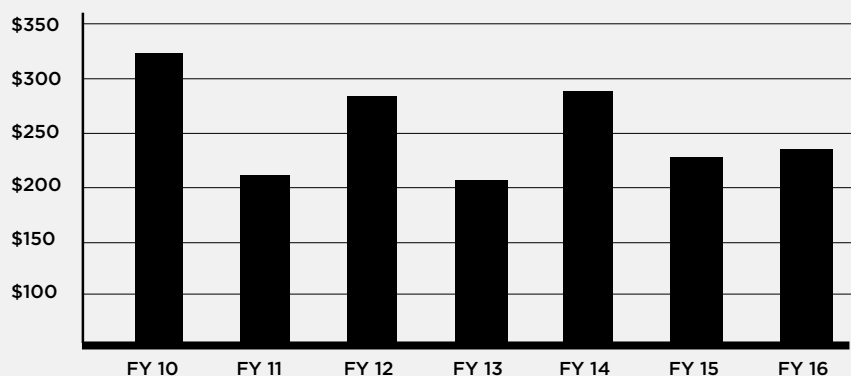
Awards FY10-FY16, in millions



► PROPOSALS

FY10	\$323,327,776
FY11	\$210,857,602
FY12	\$281,270,704
FY13	\$203,337,011
FY14	\$286,087,223
FY15	\$226,756,850
FY16	\$232,302,785

Proposals FY10-FY16, in millions



UNLV AWARD DATA FY16

Funding by College/Unit	Awards	Amount
Sciences	108	\$14,842,211
Student Life	28	12,272,497
Engineering	91	7,609,823
Div. Health Sciences	67	7,436,591
VPRED	12	3,525,192
Education	25	2,609,366
Urban Affairs	9	1,937,256
Liberal Arts	17	787,750
President's Office	3	667,741
Provost	6	554,443
Fine Arts	8	321,959
Business	6	272,149
Library	2	229,316
Law School	2	143,780
Hotel Administration	3	130,172
VPEO	2	17,448
Total	389	\$53,357,694

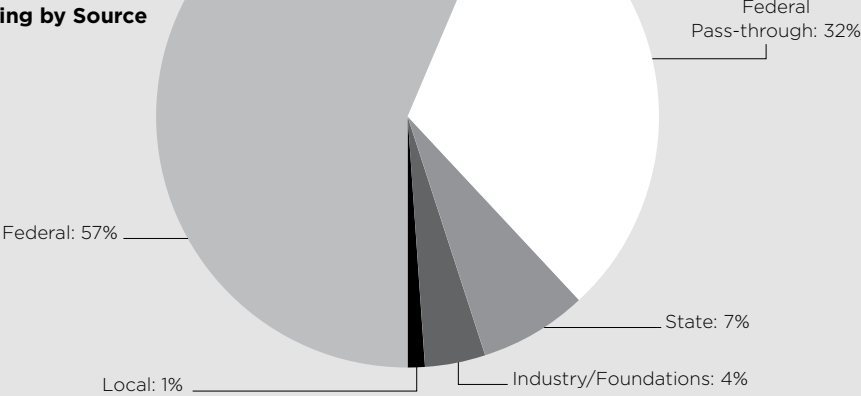
Federal Agency	Awards	Amount
Education	17	10,589,816
Health & Human Services	20	4,763,438
National Science Foundation	21	3,375,656
Agriculture	5	3,254,461
Energy	20	3,215,965
Defense	7	931,564
Veterans Affairs	1	928,429
NASA	6	865,846
Interior	9	744,756
Justice	1	623,607
Nuclear Regulatory Commission	2	530,268
EPA	1	329,650
National Archives & Records	1	129,600
Homeland Security	1	20,000
Total	112	\$30,303,056

988
Number of
graduate
assistantships
available in
2015-16

SPONSORED PROGRAM FUNDING BY SOURCE FY16

Sources of Funding	Awards	Amount
Federal	112	30,303,056
Federal Pass-through	181	16,971,584
State	33	3,639,163
Industry/Foundations	51	1,927,426
Local	12	516,465
Total	389	\$53,357,694

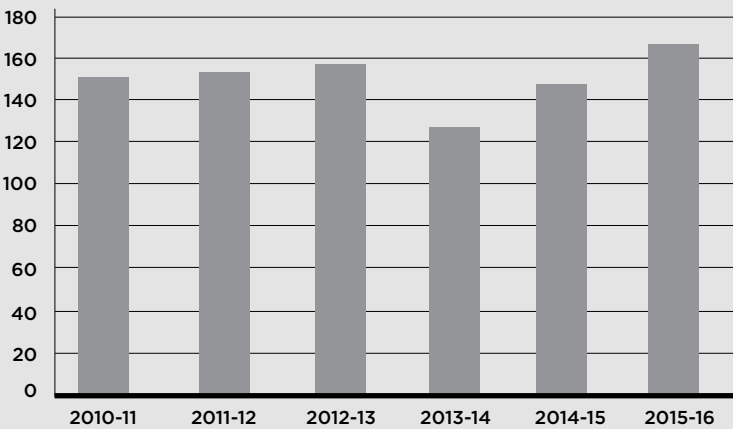
Funding by Source



DOCTORAL DEGREES CONFERRED AY10/11 - 15/16

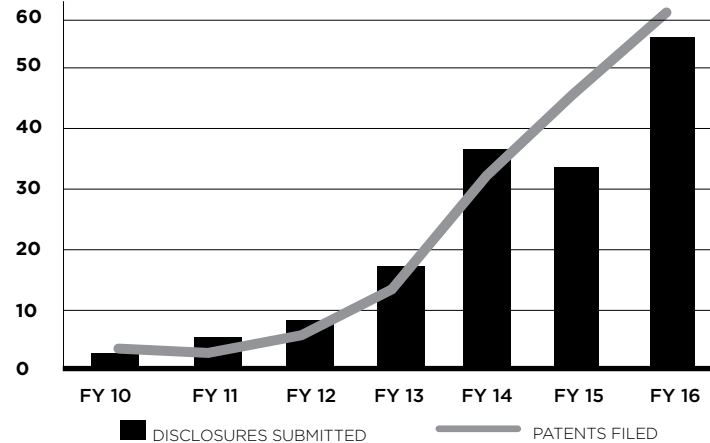
Academic Year	Number Conferred
2010-11	150
2011-12	153
2012-13	156
2013-14	124
2014-15	147
2015-16	166

DOCTORAL DEGREES CONFERRED, AY10/11-15/16



► RESEARCH DISCLOSURES, PATENT ACTIVITY & STARTUPS

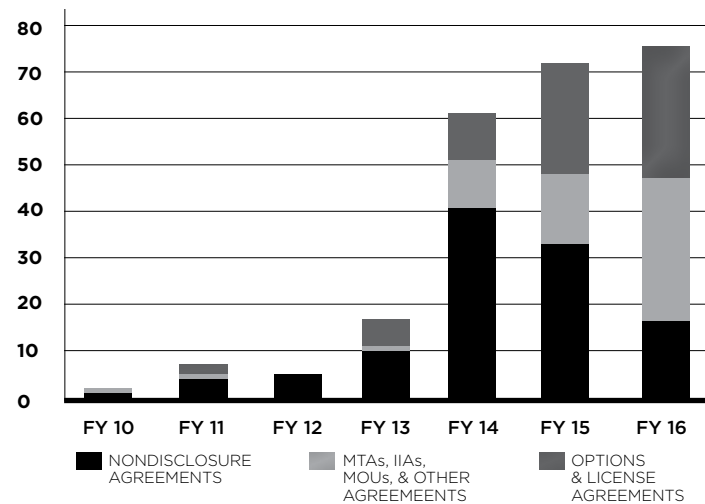
FY10-16

NUMBER OF RESEARCH DISCLOSURES SUBMITTED
VS. PATENT APPLICATIONS FILED, FY10-16

► AGREEMENTS AND LICENSING REVENUE

FY10-16

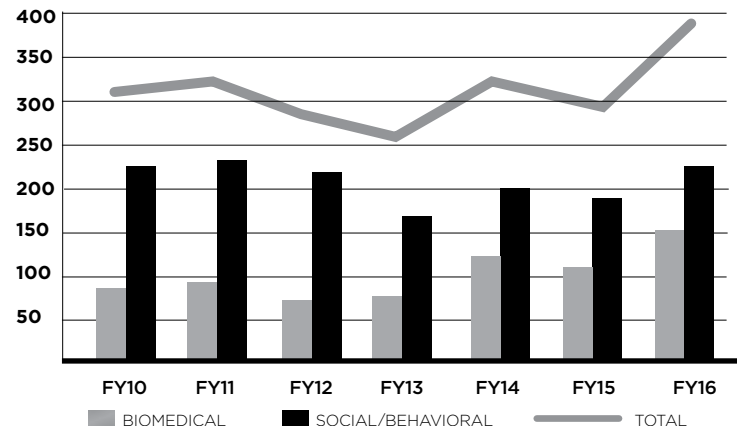
NUMBER OF AGREEMENTS EXECUTED, FY10-16



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

► INSTITUTIONAL REVIEW BOARD APPROVALS

FY10-16

NUMBER OF INSTITUTIONAL REVIEW BOARD
APPROVALS, FY10-16

How does research reach beyond our campus?

I RECENTLY WROTE MY FINAL FEATURE STORY FOR this magazine. It describes the work of Rochelle and Dustin Hines (see Page 24), two rising stars in UNLV's psychology department who are investigating the ways brain cells contribute to disorders like depression and schizophrenia. As I finalized the draft, I found myself marveling—as I have done so often during my time at UNLV—at the incredible insights of our faculty researchers on such a broad range of topics. To find this array of innovative, brilliant folks here on our campus—right in the middle of a town famous for so many attributes other than research productivity—well, it seems just wonderful to me.

Of course, both the university and its community have always been so much more than stereotypes suggest. Few know this better than I. To say UNLV and I go way back is a bit of an understatement. Between two academic degrees and 30 years of administrative posts, I've been on this campus most of my adult life. All of this time—and well before—Las Vegas has been my home. The combination of these two biographical details, no doubt, contributed to my recently receiving an offer to lead UNLV's new Office of Community Engagement.

continue singing the praises of the university while supporting existing collaborations and facilitating new ones. I'm jumping in with both feet now, embracing the expanded scope of my new job. Yet, at this moment, I find myself reflecting on the special role research plays in the community. I would be remiss in not offering it a parting nod.

Many before me have noted that the best U.S. cities have Top Tier research universities—institutions that help drive economic progress, bring intellectual and cultural vitality, and enrich citizens' lives and students' education. UNLV does all this, but I'm partial to two other benefits.

The first is the most apparent. Research helps solve some of our state and nation's most intractable problems. Disease, crime, drought, injustice, climate change, addiction, and myriad other ills are being addressed in some form by UNLV research.

The second benefit is more abstract, but I believe it can be summarized by the word “pride.” Southern Nevadans, understandably, want their university to make them proud. UNLV works to this end every day, especially its researchers, who perhaps best understand what most in higher education know well: A university’s prestige is based to a large extent on its production of respected research and scholarly activity.

Our university has much to crow about in this area, as this magazine has shown in its pages for over a decade. Like the two psychologists I mentioned earlier, UNLV's star is rising because of its research. With it ascends our institution's reputation—and the pride of our community.

SHUTTERSTOCK