

**Research Council (Norman) 2020–2021 Report**  
**Submitted by Lee R. Krumholz, Chair**

**History and Membership:**

Research Council was approved as a council by the President of the university upon recommendation of the Faculty Senate and The University of Oklahoma Student Association in December 1972 and revised May 10, 1974, June 28, 1978, and July 2, 1982. Council was restructured Spring 1991. Research Council consists of fifteen members, five are appointed by the Office of the President, ten by Faculty Senate.

In 2013, the Faculty Senate approved a plan to balance the Research Council membership to reflect the disciplines represented by recent patterns among submitted proposals. The new structure for the Research Council began in 2014-2015, and is as follows at the end of the 2020-2021:

- Engineering, Energy, Mathematical and Physical Sciences (3 members)
- Social and Behavioral Sciences (3 members)
- Life Sciences (2 members)
- Humanities (3 members)
- Education/Professional/Other (2 members)
- Fine Arts (2 members)

**The faculty members of the 2020-2021 Research Council, terms, and appointment:**

<b>Name</b>	<b>Service Dates</b>	<b>Appointment</b>
Michael Ashby	August 2020 - Current	Presidential
Elizabeth Avery	August 2020 - Current	Faculty Senate
Deven Carlson	August 2019 - Current	Presidential
Xun Ge	August 2018 - May 2021	Faculty Senate
Marcia Haag	January 2020 - May 2021	Faculty Senate
Piers Hale	August 2018 - December 2020	Presidential
Russell Jones	August 2020 - Current	Faculty Senate
Lee Krumholz	August 2018 - May 2021	Faculty Senate
Alissa Mortimer	August 2019 - May 2021	Faculty Senate
Sarah Robbins	August 2020 - Current	Faculty Senate
Cynthia Rogers	January 2020 - Current	Faculty Senate
Catalin Teodoriu	August 2020 - Current	Presidential
David Vishanoff	August 2020 - December 2020	Faculty Senate
Ying Wang	August 2020 - Current	Presidential
Yan (Rockee) Zhang	August 2018 - May 2021	Faculty Senate
Ping Zhu	January 2021 - May 2021	Presidential

The 2020-2021 Chair of the Research Council is Dr. Lee Krumholz from the Department of Microbiology and Plant Biology.

The 2021-2022 Chair of the Research Council will be Dr. Cynthia Rogers from the Department of Economics.

The Research Council is administered through the Office of the VPRP, Secretary to the Research Council is Dianna Crissman.

**Budget:**

A total of \$400,000 was split between the Faculty Investment Program (\$250,000) and Junior Faculty Fellowships (\$150,000). This amount is unchanged from FY 2020.

Year	FIP Budget Allocation	JFF Budget Allocation	Total VPRP Budget Allocation	FIP Funding Awarded	JFF Funding Awarded	Total VPRP Funding Awarded
2012-2013	\$225,000	\$175,000	\$400,000	\$301,738	\$151,188	\$452,926
2013-2014	\$275,000	\$150,000	\$425,000	\$278,107	\$149,276	\$427,383
2014-2015	\$275,000	\$150,000	\$425,000	\$257,377	\$173,382	\$430,759
2015-2016	\$275,000	\$150,000	\$425,000	\$291,535	\$133,014	\$424,549
2016-2017	\$250,000	\$150,000	\$400,000	\$289,690	\$145,980	\$435,670
2017-2018	\$250,000	\$150,000	\$400,000	\$314,698	\$142,633	\$457,331
2018-2019	\$250,000	\$150,000	\$400,000	\$286,454	\$116,406	\$402,860
2019-2020	\$250,000	\$150,000	\$400,000	\$265,294	\$127,946	\$393,240
2020-2021	\$250,000	\$150,000	\$400,000	\$260,408	\$159,453	\$419,861

[figure 1]

**Research Council budget allocations and disbursement, FY 2013–FY2021.**

(FY 2020 monies not dispersed were reallocated by VPRP's office to COVID-19 research proposals).

**Activities (2020-2021):**

The primary activity of the Research Council during the 2020-2021 academic year was to advise and make recommendations to the Vice President for Research and Partnerships (VPRP) pertaining to awards and honors under his administration, namely

- Faculty Investment Program (Up to \$15,000)
- Junior Faculty Fellowships (\$7,000 + Fringe)
- George Lynn Cross Research Professorship (recommendation to President)
- Henry Daniel Rinsland Memorial Award for Excellence in Educational Research

**Other activities:**

None.

## Faculty Investment Program (FIP):

Academic Year 2020-2021 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Faculty Investment Program							
								Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	14	9	\$129,430	\$14,381	64%	50%	45%	4	10	29%	71%	2	7	22%	78%
Social and Behavioral Sciences	1	1	\$1,253	\$1,253	100%	0%	5%	1	0	100%	0%	1	0	100%	0%
Life Sciences	2	1	\$7,801	\$7,801	50%	3%	5%	0	2	0%	100%	0	1	0%	100%
Humanities	2	2	\$30,000	\$15,000	100%	12%	10%	1	1	50%	50%	1	1	50%	50%
Fine Arts	3	2	\$28,487	\$14,243	67%	11%	10%	1	2	33%	67%	1	1	50%	50%
Education/Professional/Other	12	5	\$63,438	\$12,688	42%	24%	25%	7	2	58%	17%	4	1	80%	20%
Totals	34	20	\$260,408	\$13,020	59%	100%	100%	14	17	41%	50%	9	11	45%	55%

[figure 2]

### Faculty Investment Program proposal and award breakdown by discipline and gender, FY 2021.

FY – 21 saw 34 submissions for the Faculty Investment Program, of which 20 were funded (59%).

This compares with FY – 20, which saw 39 submissions, of which 17 were funded (43%), and FY – 19, which saw 52 submissions, of which 21 were funded (40%).

This year, the number of applicants decreased and with similar numbers of funded applications, so the percent funded increased. We anticipate that post COVID, these numbers will return to the 40-45% funded range. Applications from Engineering and Physical Sciences remain disproportionately large compared to other disciplines. Although we are now seeing a good number of applications from scholars in Education and professional programs, remaining disciplines are underrepresented in application numbers.

## Junior Faculty Fellowship (JFF):

Academic Year 2020-2021 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Junior Faculty Fellowship Program							
								Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	2	2	\$18,802	\$9,401	100%	12%	11%	0	2	0%	100%	0	2	0%	100%
Social and Behavioral Sciences	9	8	\$74,436	\$9,305	89%	47%	44%	5	4	56%	44%	4	4	50%	50%
Life Sciences	3	3	\$25,452	\$8,484	100%	16%	17%	1	2	33%	67%	1	2	33%	67%
Humanities	3	3	\$23,401	\$7,800	100%	15%	17%	1	2	33%	67%	1	2	33%	67%
Fine Arts	2	2	\$17,361	\$8,681	100%	11%	11%	2	0	100%	0%	2	0	100%	0%
Education/Professional/Other	0	0	\$0	\$0	0%	0%	0%	0	0	0%	0%	0	0	0%	0%
Totals	19	18	\$159,453	\$8,858	95%	100%	100%	9	10	47%	53%	8	10	44%	56%

[figure 3]

### Junior Faculty Fellowship proposal and award breakdown by discipline and gender, FY 2021.

Junior Faculty Fellowship (JFF) Submissions continued to be lower in FY– 21 (19) than in FY–20 (26), which in turn was appreciably lower than prior years; (FY-19 had 35 and FY–18 and FY–17 each had 54 submissions). This trend, if it continues may be concerning.

In FY – 21 there were 19 submissions of which 18 were funded (95%). This compares with:  
FY – 20 in which there were 26 submissions of which 15 were funded (58%).  
FY – 19 in which there were 35 submissions of which 14 were funded (40%)  
FY – 18 in which there were 54 submissions of which 17 were funded (31%)  
FY – 17 in which there were 54 submissions of which 17 were funded (31%)  
FY– 16 in which there were 69 submissions of which 16 were funded (23%)

This year we note that the number of proposals down, likely due to COVID. The proposal quality was generally high, and since adequate funding was available, the council was happy to be able to fund most of the applications.

**George Lynn Cross Professorship and Henry Daniel Rinsland Memorial Award:**

Awards For the George Lynn Cross Research Professorship (recommendation to President): The council nominated Dr. Rong Gan (School of Aerospace and Mechanical Engineering (AME)). For the Henry Daniel Rinsland Memorial Award for Excellence in Educational Research, the council nominated Deven Carlson (Political Science).

**Diversity Equity and Inclusion:**

In 2020 Research Council has mandated a more extensive Diversity, Equity and Inclusion training as a part of the preparation for new council members in collaboration with the Office of Diversity, Equity, and Inclusion. This focuses on helping members recognize their own implicit biases in the context of peer review and the evaluation of research proposals. This has been continued this year.

- a) **Award by gender:** While this year's figures seem to suggest significant gender disparities in application and award in some disciplines, it is not clear that this is representative of historical trends. (See appendix 1 for historical data for context).
- b) **Award by race and ethnicity:** Research Council has not, to date, been able to collect or track either submission or award numbers by race or ethnicity. We were told by legal counsel that we could not request the data on the applications, so we have requested the data from HR, but it has not been provided. Going forward, council will try to collect this information, and we will make efforts to retrospectively compile this data to the extent that this is possible.

**Concluding remarks:**

The number of applications this past year for both the FIP and the JFF were down significantly from previous years. This is most likely because of issues related to COVID including difficulty in travelling and a closed research labs early in the year. It is likely that the popularity of the FIP will return to previous levels.

The JFF has been thought of a very good investment for the Research office and awards are more equitably distributed among engineering, sciences, humanities, social sciences and fine arts. There has been a downward trend in applications for the JFF and it may be worth considering an increase in the maximum funding level for this award to encourage the applications.

Regarding diversity, equity, and inclusion, the Research Council has included DEI training as a part of each years Research Council training the past two years. Council also hopes to track both applications and awards by race and ethnicity in addition to gender and discipline. We hope also to be able to retrospectively track this information going back three years.

Research Council will continue to evaluate and revise (as necessary) both the rubrics provided to applicants on the Research Council website and those used by research council during the evaluation process in light of our meeting with the Office of Diversity, Equity, and Inclusion to further limit the impact of implicit biases on the review process.

## Appendix 1: Historical data on FIP and JFF submission and award:

**FY – 2020**

Faculty Investment Program															
Academic Year 2019-2020 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	16	9	\$134,950	\$14,994	56%	51%	47%	4	11	25%	69%	2	6	22%	67%
Social and Behavioral Sciences	9	4	\$51,478	\$12,870	44%	19%	21%	5	3	56%	33%	1	2	25%	50%
Life Sciences	0	0	\$0	\$0	0%	0%	0%	0	0	0%	0%	0	0	0%	0%
Humanities	4	1	\$14,000	\$14,000	25%	5%	5%	1	1	25%	25%	0	1	0%	100%
Fine Arts	3	1	\$13,546	\$13,546	33%	5%	5%	1	2	33%	67%	0	1	0%	100%
Education/Professional/Other	11	4	\$51,320	\$12,830	36%	19%	21%	5	6	45%	55%	2	2	50%	50%
Totals	43	19	\$265,294	\$13,963	44%	100%	100%	16	23	37%	53%	5	12	26%	63%

Junior Faculty Fellowship Program															
Academic Year 2019-2020 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentag e of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	5	4	\$36,632	\$9,158	80%	29%	27%	2	3	40%	60%	2	2	50%	50%
Social and Behavioral Sciences	13	6	\$49,342	\$8,224	46%	39%	40%	8	5	62%	38%	4	2	67%	33%
Life Sciences	3	2	\$16,324	\$8,162	67%	13%	13%	2	1	0%	0%	2	0	100%	0%
Humanities	5	3	\$25,648	\$8,549	60%	20%	20%	1	4	20%	80%	0	3	0%	100%
Fine Arts	0	0	\$0	\$0	0%	0%	0%	0	0	0%	0%	0	0	0%	0%
Education/Professional/Other	0	0	\$0	\$0	0%	0%	0%	0	0	0%	0%	0	0	0%	0%
Totals	26	15	\$127,946	\$8,530	58%	100%	100%	13	13	50%	50%	8	7	53%	47%

**FY – 2019**

Faculty Investment Program															
Academic Year 2018-2019 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	16	7	\$104,856	\$14,979	44%	37%	33%	7	9	44%	56%	4	3	57%	43%
Social and Behavioral Sciences	10	3	\$42,841	\$14,280	30%	15%	14%	7	3	70%	30%	3	0	100%	0%
Life Sciences	5	5	\$69,821	\$13,964	100%	24%	24%	3	2	60%	40%	3	2	60%	40%
Humanities	12	3	\$35,327	\$11,776	25%	12%	14%	9	3	75%	25%	1	2	33%	67%
Fine Arts	2	2	\$18,609	\$9,305	100%	6%	10%	0	2	0%	100%	0	2	0%	100%
Education/Professional/Other	7	1	\$15,000	\$15,000	14%	5%	5%	4	3	57%	43%	1	0	100%	0%
Totals	52	21	\$286,454	\$13,641	40%	100%	100%	30	22	58%	42%	12	9	57%	43%

Junior Faculty Fellowship Program															
Academic Year 2018-2019 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	8	5	\$44,052	\$8,810	63%	38%	36%	3	5	38%	63%	3	2	60%	40%
Social and Behavioral Sciences	15	7	\$56,435	\$8,062	47%	48%	50%	13	2	87%	13%	7	0	100%	0%
Life Sciences	0	0	\$0		0%	0%	0%	0	0	0%	0%	0	0	0%	0%
Humanities	5	0	\$0		0%	0%	0%	2	3	40%	60%	0	0	0%	0%
Fine Arts	1	0	\$0		0%	0%	0%	1	0	100%	0%	0	0	0%	0%
Education/Professional/Other	6	2	\$15,919	\$7,960	33%	14%	14%	2	4	33%	67%	1	1	50%	50%
Totals	35	14	\$116,406	\$8,315	40%	100%	100%	21	14	60%	40%	11	3	79%	21%

## FY – 2018

Faculty Investment Program															
Academic Year 2017-2018 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	17	7	\$93,250	\$13,321	41%	30%	30%	7	10	41%	59%	3	4	43%	57%
Social and Behavioral Sciences	9	4	\$59,736	\$14,934	44%	19%	17%	5	4	56%	44%	2	2	50%	50%
Life Sciences	9	5	\$72,281	\$14,456	56%	23%	22%	6	3	67%	33%	3	2	60%	40%
Humanities	8	4	\$51,874	\$12,969	50%	16%	17%	6	2	75%	25%	2	2	50%	50%
Fine Arts	9	2	\$23,557	\$11,779	22%	7%	9%	2	7	22%	78%	0	2	0%	100%
Education/Professional/Other	3	1	\$14,000	\$14,000	33%	4%	4%	3	0	100%	0%	1	0	100%	0%
Totals	55	23	\$314,698	\$13,683	42%	100%	100%	29	26	53%	47%	11	12	48%	52%

Junior Faculty Fellowship Program															
Academic Year 2017-2018 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	14	6	\$55,200	\$9,200	43%	39%	35%	4	10	29%	71%	0	6	0%	100%
Social and Behavioral Sciences	21	2	\$13,952	\$6,976	10%	10%	12%	10	11	48%	52%	1	1	50%	50%
Life Sciences	3	1	\$6,055	\$6,055	33%	4%	6%	1	2	33%	67%	1	0	100%	0%
Humanities	9	6	\$50,910	\$8,485	67%	36%	35%	4	5	44%	56%	3	3	50%	50%
Fine Arts	3	0	\$0	\$0	0%	0%	0%	2	1	67%	33%	0	0	0%	0%
Education/Professional/Other	4	2	\$16,516	\$8,258	50%	12%	12%	3	1	75%	25%	2	0	100%	0%
Totals	54	17	\$142,633	\$8,390	31%	100%	100%	24	30	44%	56%	7	10	41%	59%

## FY – 2017

Faculty Investment Program															
Academic Year 2016-2017 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	16	4	\$46,680	\$11,670	25%	16%	16%	4	12	25%	75%	0	4	0%	100%
Social and Behavioral Sciences	6	2	\$19,900	\$9,950	33%	7%	8%	3	3	50%	50%	0	2	0%	100%
Life Sciences	9	6	\$86,250	\$14,375	67%	30%	24%	4	5	44%	56%	2	4	33%	67%
Humanities	9	5	\$46,907	\$9,381	56%	16%	20%	4	5	44%	56%	2	3	40%	60%
Fine Arts	12	4	\$35,257	\$8,814	33%	12%	16%	0	12	0%	100%	0	4	0%	100%
Education/Professional/Other	12	4	\$54,696	\$13,674	33%	19%	16%	6	6	50%	50%	3	1	75%	25%
Totals	64	25	\$289,690	\$11,588	39%	100%	100%	21	43	33%	67%	7	18	28%	72%

Junior Faculty Fellowship Program															
Academic Year 2016-2017 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted Proposals		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	15	5	\$43,883	\$8,777	33%	30%	29%	3	12	20%	80%	1	4	20%	80%
Social and Behavioral Sciences	17	4	\$33,928	\$8,482	24%	23%	24%	7	10	41%	59%	1	3	25%	75%
Life Sciences	3	3	\$24,728	\$8,243	100%	17%	18%	1	2	33%	67%	1	2	33%	67%
Humanities	11	3	\$24,807	\$8,269	27%	17%	18%	4	7	36%	64%	1	2	33%	67%
Fine Arts	1	1	\$9,317	\$9,317	100%	6%	6%	0	1	0%	100%	0	1	0%	100%
Education/Professional/Other	7	1	\$9,317	\$9,317	14%	6%	6%	1	6	14%	86%	0	1	0%	100%
Totals	54	17	\$145,980	\$8,587	31%	100%	100%	16	38	30%	70%	4	13	24%	76%

## FY – 2016

Faculty Investment Program															
Academic Year 2015-2016 Discipline	Number of Proposals Submitted	Number of Awards	Total Awards	Average Award	Funding Rate	Percentage of Total Program Expenditures	Percentage of Total Number Awarded	Gender of Submitted Proposals		Gender Percentage of Submitted		Gender of Successful Proposals		Gender Percentage of Successful Proposals	
								Female	Male	Female	Male	Female	Male	Female	Male
Engineering/Physical Sciences	23	9	\$129,451	\$14,383	39%	44%	38%	6	17	26%	74%	2	7	22%	78%
Social and Behavioral Sciences	7	4	\$46,452	\$11,613	57%	16%	17%	4	3	57%	43%	2	2	50%	50%
Life Sciences	7	2	\$29,876	\$14,938	29%	10%	8%	2	5	29%	71%	1	1	50%	50%
Humanities	5	4	\$40,652	\$10,163	80%	14%	17%	3	2	60%	40%	2	2	50%	50%
Fine Arts	6	3	\$29,905	\$9,968	50%	10%	13%	2	4	33%	67%	1	2	33%	67%
Education/Professional/Other	5	2	\$15,199	\$7,599	40%	5%	8%	3	2	60%	40%	1	1	50%	50%
Totals	53	24	\$291,535	\$12,147	45%	100%	100%	20	33	38%	62%	9	15	37.5%	62.5%

[illegible]