



2017 Competition Statistics Discovery Grants (DG) and Research Tools and Instruments (RTI) Programs

Welcome to the new NSERC Competition Statistics Package for the Discovery Grants and RTI Programs.

What's New?

- All figures and tables are now based on Discovery Grants Individual and RTI only.
- The data used is from a point-in-time in our corporate database. The date used for this year is March 17th, 2017.
- This package includes additional funding received resulting from Federal Budgets 2014 and 2016.

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SECTION 1 – OVERALL STATISTICS

Figure 1 Competition Funding, Success Rates, Number of Awards and Average Award 2013-2017

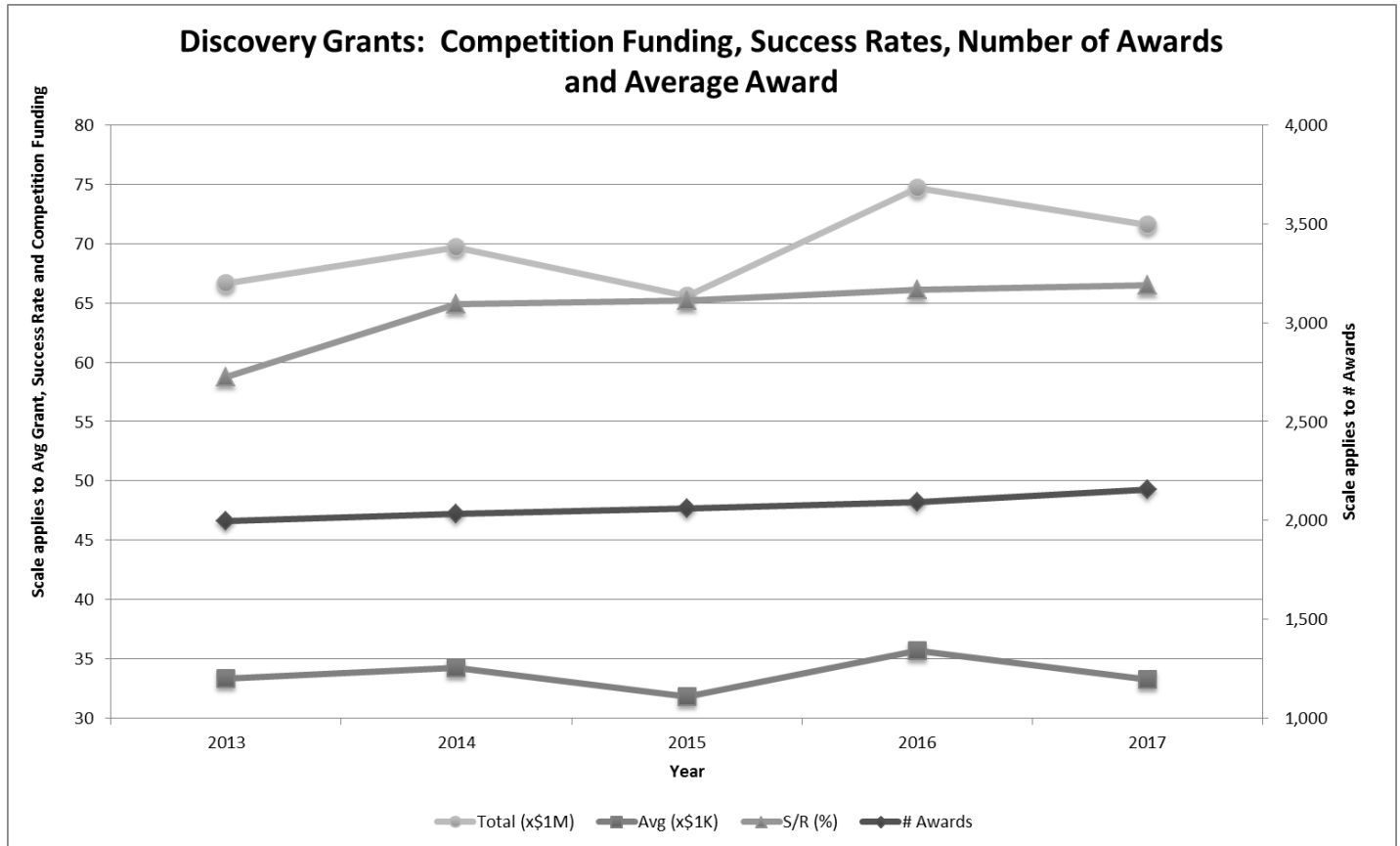


Table 1 Overall Comparative Statistics Discovery Grants Competitions, 2013-17

| | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | |
|--------------------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|--------------|--------------------|
| | Success Rate | Average Grant (\$) | Success Rate | Average Grant (\$) | Success Rate | Average Grant (\$) | Success Rate | Average Grant (\$) | Success Rate | Average Grant (\$) |
| Early Career Researchers (ECR) | 60% | \$27,438 | 70% | \$27,237 | 65% | \$26,120 | 75% | \$28,771 | 69% | \$25,409 |
| Established Researchers (ER) | 59% | \$34,323 | 64% | \$35,477 | 65% | \$32,903 | 65% | \$37,138 | 66% | \$34,948 |

Table 2 Number of Applications and Awards by Category of Applicants, 2013-17

| Competition | Number of Applications | | | | Number of Awards ¹ | | | |
|-------------|------------------------|-------|-------|--------|-------------------------------|-------|------|--------|
| | Year | ECR | ER-R | ER-NHG | Total | ECR | ER-R | ER-NHG |
| 2013 | 471 | 1,825 | 1,102 | 3,398 | 281 | 1,382 | 334 | 1,997 |
| 2014 | 427 | 1,647 | 1,060 | 3,134 | 298 | 1,328 | 407 | 2,033 |
| 2015 | 489 | 1,632 | 1,038 | 3,159 | 317 | 1,342 | 400 | 2,059 |
| 2016 | 494 | 1,622 | 1,051 | 3,167 | 369 | 1,333 | 392 | 2,094 |
| 2017 | 562 | 1,636 | 1,042 | 3,240 | 385 | 1,360 | 409 | 2,154 |

Discovery Grants – Applicant Categories: http://www.nserc-crsng.gc.ca/Professors-Professeurs/Grants-Subs/DGCategories-SDCategories_eng.asp

Table 3 Discovery Grants Competition Results by University (including Affiliated University Research Centers), 2017 Competition

| Universities | Early Career Researchers | | | Established Researchers - Renewing | | | Established Researchers - Not Holding a Grant | | |
|--|--------------------------|--------------------|--------------------|------------------------------------|--------------------|--------------------|---|--------------------|--------------------|
| | Success Rate (%) | Total Awarded (\$) | Average Grant (\$) | Success Rate (%) | Total Awarded (\$) | Average Grant (\$) | Success Rate (%) | Total Awarded (\$) | Average Grant (\$) |
| Acadia University | * | * | * | 100% | 168,050 | 33,610 | * | * | * |
| Algoma University | * | * | * | * | * | * | * | * | * |
| Athabasca University | * | * | * | * | * | * | 29% | 61,000 | 30,500 |
| Bishop's University | * | * | * | * | * | * | * | * | * |
| Brandon University | * | * | * | * | * | * | * | * | * |
| Brock University | * | * | * | 80% | 420,000 | 35,000 | 50% | 90,000 | 30,000 |
| Cape Breton University | * | * | * | * | * | * | * | * | * |
| Carleton University | 74% | 357,501 | 25,536 | 81% | 776,000 | 29,846 | 38% | 235,000 | 26,111 |
| Centre de recherche informatique de Montréal | * | * | * | * | * | * | * | * | * |
| Centre for Cold Ocean Resources Engineering | * | * | * | * | * | * | * | * | * |
| Concordia University | 53% | 202,000 | 22,444 | 83% | 1,392,400 | 34,810 | 32% | 199,000 | 24,875 |
| Dalhousie University | 67% | 265,000 | 26,500 | 82% | 1,042,700 | 32,584 | 58% | 411,000 | 27,400 |
| École de technologie supérieure | * | * | * | 75% | 325,000 | 27,083 | 27% | 70,000 | 23,333 |
| École Polytechnique de Montréal | 88% | 172,000 | 24,571 | 84% | 1,256,000 | 39,250 | 20% | 40,000 | 20,000 |
| Grant MacEwan University | * | * | * | * | * | * | * | * | * |
| HEC Montréal | * | * | * | * | * | * | * | * | * |
| Institut national de la recherche scientifique | 80% | 122,000 | 30,500 | 70% | 251,000 | 35,857 | 20% | 25,000 | 25,000 |
| Lakehead University | * | * | * | 100% | 134,000 | 26,800 | 27% | 71,000 | 23,667 |
| Laurentian University | * | * | * | 56% | 120,000 | 24,000 | 17% | 43,000 | 21,500 |
| McGill University | 77% | 561,000 | 28,050 | 89% | 4,085,000 | 42,113 | 51% | 714,800 | 27,492 |
| McMaster University | 86% | 311,000 | 25,917 | 87% | 1,671,658 | 41,791 | 18% | 118,000 | 39,333 |
| Memorial University of Newfoundland | 79% | 342,965 | 22,864 | 86% | 533,723 | 29,651 | 32% | 212,000 | 23,556 |
| Mount Allison University | * | * | * | * | * | * | * | * | * |
| Mount Royal University | * | * | * | * | * | * | * | * | * |
| Mount Saint Vincent University | * | * | * | * | * | * | * | * | * |
| Nipissing University | * | * | * | * | * | * | * | * | * |
| OCAD University | * | * | * | * | * | * | * | * | * |
| Queen's University | 55% | 139,000 | 23,167 | 83% | 1,195,880 | 47,835 | 31% | 132,000 | 26,400 |
| Redeemer University College | * | * | * | * | * | * | * | * | * |
| Royal Military College of Canada | * | * | * | * | * | * | 15% | 56,000 | 28,000 |
| Royal Roads University | * | * | * | * | * | * | * | * | * |
| Ryerson University | 71% | 115,000 | 23,000 | 80% | 673,000 | 33,650 | 31% | 185,000 | 23,125 |
| Saint Mary's University | 60% | 77,000 | 25,667 | * | * | * | * | * | * |
| Simon Fraser University | * | * | * | 80% | 1,352,000 | 37,556 | 22% | 86,000 | 21,500 |
| St. Francis Xavier University | * | * | * | 80% | 96,000 | 24,000 | * | * | * |
| St. Thomas University | * | * | * | * | * | * | * | * | * |
| Télé-université | * | * | * | * | * | * | * | * | * |
| The King's University (Edmonton) | * | * | * | * | * | * | * | * | * |
| The University of British Columbia | 74% | 456,000 | 26,824 | 91% | 4,997,200 | 43,079 | 57% | 817,000 | 27,233 |
| The University of Western Ontario | 64% | 234,000 | 26,000 | 87% | 2,462,800 | 39,723 | 33% | 423,500 | 28,233 |
| The University of Winnipeg | * | * | * | 33% | 64,000 | 32,000 | 0% | 0 | N/A |
| Thompson Rivers University | 60% | 69,000 | 23,000 | * | * | * | * | * | * |
| Trent University | 50% | 63,000 | 21,000 | 86% | 175,000 | 29,167 | * | * | * |
| Trinity Western University | * | * | * | * | * | * | * | * | * |
| TRIUMF | * | * | * | * | * | * | * | * | * |
| Université de Moncton | 67% | 89,000 | 22,250 | * | * | * | 20% | 47,000 | 23,500 |
| Université de Montréal | 52% | 304,000 | 25,333 | 91% | 1,516,000 | 36,976 | 38% | 430,000 | 30,714 |
| Université de Sherbrooke | 63% | 167,000 | 33,400 | 79% | 1,018,000 | 37,704 | 48% | 276,000 | 25,091 |
| Université du Québec à Chicoutimi | * | * | * | * | * | * | 38% | 66,000 | 22,000 |
| Université du Québec à Montréal | 88% | 156,000 | 22,286 | 93% | 459,000 | 35,308 | 56% | 263,000 | 29,222 |
| Université du Québec à Rimouski | * | * | * | 83% | 152,000 | 30,400 | * | * | * |
| Université du Québec à Trois-Rivières | * | * | * | 40% | 128,000 | 32,000 | 38% | 121,000 | 24,200 |
| Université du Québec en Abitibi-Témiscamingue | * | * | * | * | * | * | * | * | * |
| Université du Québec en Outaouais | * | * | * | * | * | * | * | * | * |
| Université Laval | 85% | 292,000 | 26,545 | 84% | 1,753,600 | 35,788 | 31% | 292,000 | 26,545 |
| Université Sainte-Anne | * | * | * | * | * | * | * | * | * |
| University of Alberta | 64% | 436,000 | 24,222 | 90% | 3,012,500 | 36,738 | 45% | 585,000 | 26,591 |
| University of Calgary | 74% | 383,000 | 27,357 | 78% | 1,884,000 | 36,231 | 58% | 679,000 | 26,115 |
| University of Guelph | 77% | 248,000 | 24,800 | 76% | 933,000 | 32,172 | 52% | 404,000 | 25,250 |
| University of Lethbridge | 100% | 165,000 | 27,500 | 83% | 200,100 | 40,020 | 22% | 67,000 | 33,500 |
| University of Manitoba | 69% | 213,000 | 23,667 | 83% | 1,256,000 | 32,205 | 38% | 265,000 | 26,500 |
| University of New Brunswick | 50% | 76,000 | 19,000 | 65% | 332,000 | 30,182 | 44% | 181,000 | 22,625 |
| University of Northern British Columbia | * | * | * | 63% | 162,000 | 32,400 | * | * | * |
| University of Ontario Institute of Technology | * | * | * | 50% | 214,000 | 30,571 | 58% | 165,000 | 23,571 |
| University of Ottawa | 74% | 459,000 | 27,000 | 80% | 1,334,000 | 40,424 | 39% | 482,000 | 32,133 |
| University of Prince Edward Island | * | * | * | * | * | * | 27% | 62,000 | 20,667 |
| University of Regina | 33% | 50,000 | 25,000 | 79% | 296,000 | 26,909 | 18% | 44,000 | 22,000 |
| University of Saskatchewan | 75% | 257,000 | 21,417 | 77% | 1,105,000 | 36,833 | 57% | 430,000 | 26,875 |
| University of the Fraser Valley | * | * | * | * | * | * | * | * | * |
| University of Toronto | 73% | 1,056,000 | 27,789 | 83% | 5,326,900 | 45,143 | 44% | 818,000 | 29,214 |
| University of Victoria | 89% | 200,000 | 25,000 | 83% | 938,380 | 31,279 | 50% | 130,000 | 26,000 |
| University of Waterloo | 78% | 455,000 | 25,278 | 94% | 3,656,352 | 36,933 | 60% | 440,000 | 29,333 |
| University of Windsor | 71% | 115,000 | 23,000 | 78% | 518,000 | 28,778 | 32% | 207,000 | 25,875 |
| Vancouver Island University | * | * | * | * | * | * | * | * | * |
| Wilfrid Laurier University | * | * | * | 83% | 132,000 | 26,400 | * | * | * |
| York University | 88% | 353,000 | 25,214 | 77% | 797,823 | 29,549 | 27% | 193,355 | 27,622 |
| Grand Total | 69% | 9,782,303 | 25,409 | 83% | 50,859,066 | 37,396 | 39% | 10,963,655 | 26,806 |

* Less than five applications.

Table 4 Statistics by University Size, 2017 Competition

| Category of Applicants | Data | University Size | | |
|---|------------------------|-----------------|-------------|-------------|
| | | Large | Medium | Small |
| Early Career Researchers | Number of Applications | 354 | 111 | 97 |
| | Number of grants | 255 | 80 | 50 |
| | Success Rate | 72% | 72% | 52% |
| | Total Amount | \$6,665,000 | \$1,912,466 | \$1,204,837 |
| | Average Grant | \$26,137 | \$23,906 | \$24,097 |
| Established Researchers - Returning | Number of Applications | 1248 | 250 | 138 |
| | Number of grants | 1,069 | 197 | 94 |
| | Success Rate | 86% | 79% | 68% |
| | Total Amount | \$41,796,970 | \$6,177,946 | \$2,884,150 |
| | Average Grant | \$39,099 | \$31,360 | \$30,682 |
| Established Researchers - Not Holding a Grant | Number of Applications | 648 | 217 | 177 |
| | Number of grants | 289 | 72 | 48 |
| | Success Rate | 45% | 33% | 27% |
| | Total Amount | \$7,973,300 | \$1,813,355 | \$1,177,000 |
| | Average Grant | \$27,589 | \$25,185 | \$24,521 |

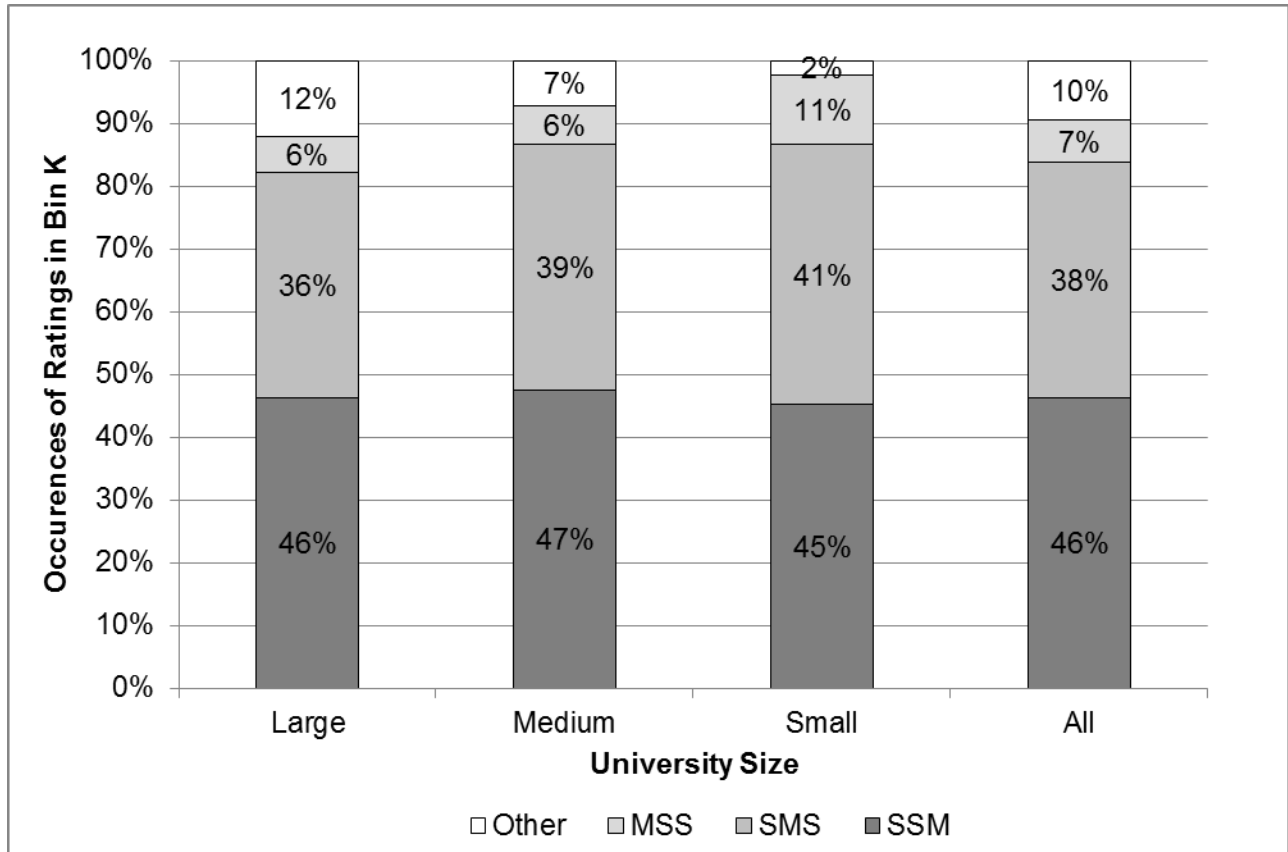
Table 5 Success Rate by Category of Applicants and University Size, 2013-17

| | Large | | | | | Medium | | | | | Small | | | | |
|---|-------|------|------|------|------|--------|------|------|------|------|-------|------|------|------|------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Early Career Researchers | 63% | 74% | 67% | 80% | 72% | 58% | 65% | 75% | 73% | 72% | 43% | 55% | 47% | 49% | 52% |
| Established Researchers - Returning | 80% | 84% | 85% | 85% | 86% | 69% | 76% | 75% | 77% | 79% | 57% | 64% | 72% | 66% | 68% |
| Established Researchers - Not Holding a Grant | 35% | 43% | 45% | 43% | 45% | 25% | 37% | 32% | 33% | 33% | 20% | 24% | 25% | 20% | 27% |

Table 6 Number of Applications by Quality Bins by University Size, 2017 Competition

| Bin | University Size | | | | | |
|-------|-----------------|------------|--------|------------|--------|------------|
| | Large | | Medium | | Small | |
| | Number | Percentage | Number | Percentage | Number | Percentage |
| A | 4 | 0.2% | 0 | 0.0% | 0 | 0.0% |
| B | 17 | 0.8% | 0 | 0.0% | 0 | 0.0% |
| C | 33 | 1.5% | 1 | 0.2% | 1 | 0.2% |
| D | 59 | 2.6% | 8 | 1.4% | 3 | 0.7% |
| E | 113 | 5.0% | 11 | 1.9% | 3 | 0.7% |
| F | 153 | 6.8% | 20 | 3.5% | 6 | 1.5% |
| G | 210 | 9.3% | 43 | 7.4% | 17 | 4.1% |
| H | 225 | 10.0% | 48 | 8.3% | 21 | 5.1% |
| I | 277 | 12.3% | 53 | 9.2% | 37 | 9.0% |
| J | 403 | 17.9% | 112 | 19.4% | 72 | 17.5% |
| K | 303 | 13.5% | 97 | 16.8% | 82 | 19.9% |
| L | 233 | 10.4% | 91 | 15.7% | 72 | 17.5% |
| M | 152 | 6.8% | 68 | 11.8% | 67 | 16.3% |
| N | 47 | 2.1% | 13 | 2.2% | 24 | 5.8% |
| O | 15 | 0.7% | 9 | 1.6% | 6 | 1.5% |
| P | 6 | 0.3% | 4 | 0.7% | 1 | 0.2% |
| Total | 2250 | 100.0% | 578 | 100.0% | 412 | 100.0% |

Figure 2 Percentage of Occurrences of Various Combinations of Ratings¹ in Bin K by University Size for the 2017 Competition



¹MSS: Moderate for EoR, Strong for MoP, Strong for HQP
 SMS: Strong for EoR, Moderate for MoP, Strong for HQP
 SSM: Strong for EoR, Strong for MoP, Moderate for HQP

SECTION 2 – STATISTICS BY EVALUATION GROUP

Table 7 Success Rate, Average Grant and Total Amount Awarded by Category of Applicant for Each Evaluation Group, 2017 Competition

| 1501 - Genes, Cells and Molecules | Early Career Researchers | Established Researchers | |
|--|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 54% | 78% | 45% |
| Average Grant | \$29,705 | \$38,534 | \$28,847 |
| Total Amount Awarded | \$1,307,000 | \$6,589,338 | \$3,202,000 |

| 1502 - Biological Systems and Functions | Early Career Researchers | Established Researchers | |
|--|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 66% | 78% | 31% |
| Average Grant | \$27,500 | \$37,850 | \$28,857 |
| Total Amount Awarded | \$1,980,000 | \$5,791,000 | \$1,616,000 |

| 1503 - Evolution and Ecology | Early Career Researchers | Established Researchers | |
|-------------------------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 73% | 80% | 51% |
| Average Grant | \$27,520 | \$38,739 | \$25,333 |
| Total Amount Awarded | \$660,489 | \$2,982,920 | \$532,000 |

| 1504 - Chemistry | Early Career Researchers | Established Researchers | |
|-------------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 62% | 92% | 34% |
| Average Grant | \$26,625 | \$57,131 | \$28,133 |
| Total Amount Awarded | \$426,000 | \$5,598,880 | \$422,000 |

| 1505 - Physics | Early Career Researchers | Established Researchers | |
|-----------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 80% | 84% | 48% |
| Average Grant | \$27,928 | \$42,043 | \$29,167 |
| Total Amount Awarded | \$446,849 | \$4,120,192 | \$612,500 |

| 1506 - Geosciences | Early Career Researchers | Established Researchers | |
|---------------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 62% | 85% | 39% |
| Average Grant | \$26,556 | \$36,781 | \$26,458 |
| Total Amount Awarded | \$478,000 | \$3,199,980 | \$635,000 |

| 1507 - Computer Science | Early Career Researchers | Established Researchers | |
|--------------------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 59% | 79% | 34% |
| Average Grant | \$24,700 | \$31,868 | \$24,647 |
| Total Amount Awarded | \$741,000 | \$4,557,100 | \$838,000 |

| 1508 - Mathematics and Statistics | Early Career Researchers | Established Researchers | |
|--|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 83% | 97% | 57% |
| Average Grant | \$19,446 | \$26,735 | \$19,436 |
| Total Amount Awarded | \$738,965 | \$3,368,633 | \$408,155 |

| 1509 - Civil, industrial and Systems Engineering | Early Career Researchers | Established Researchers | |
|---|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 81% | 89% | 44% |
| Average Grant | \$22,647 | \$34,081 | \$23,438 |
| Total Amount Awarded | \$1,155,000 | \$3,237,723 | \$750,000 |

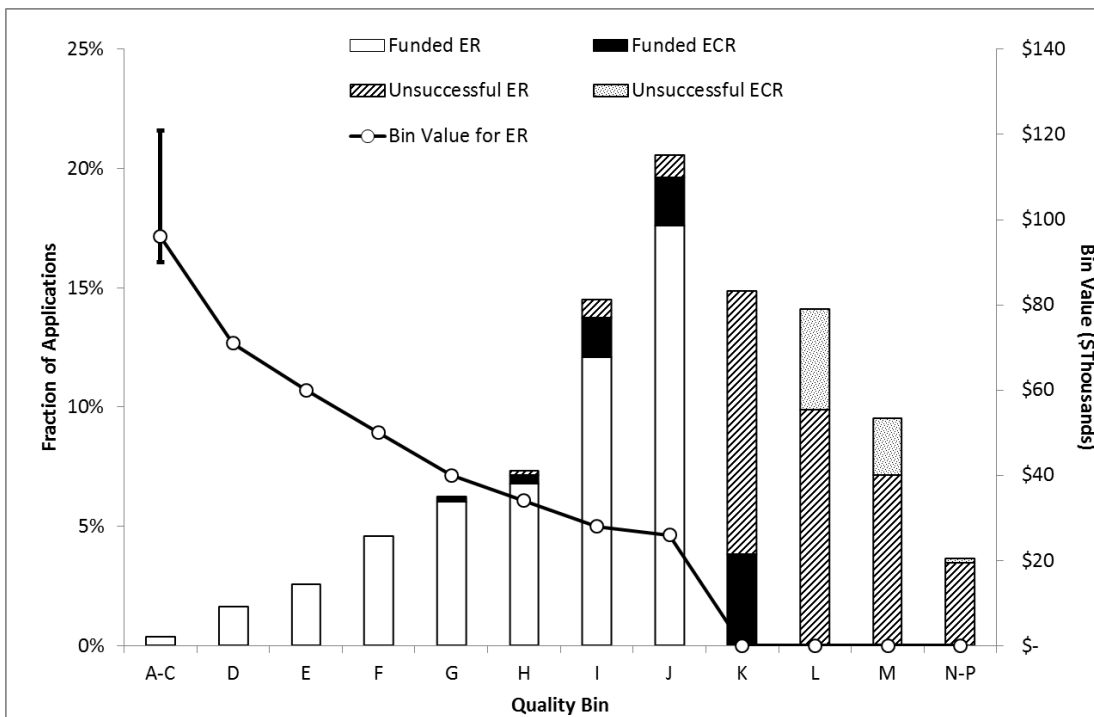
| 1510 - Electrical and Computer Engineering | Early Career Researchers | Established Researchers | |
|---|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 61% | 80% | 36% |
| Average Grant | \$26,182 | \$38,961 | \$26,563 |
| Total Amount Awarded | \$576,000 | \$4,987,000 | \$850,000 |

| 1511 - Materials and Chemical Engineering | Early Career Researchers | Established Researchers | |
|--|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 81% | 85% | 34% |
| Average Grant | \$23,720 | \$34,215 | \$27,870 |
| Total Amount Awarded | \$593,000 | \$3,182,000 | \$641,000 |

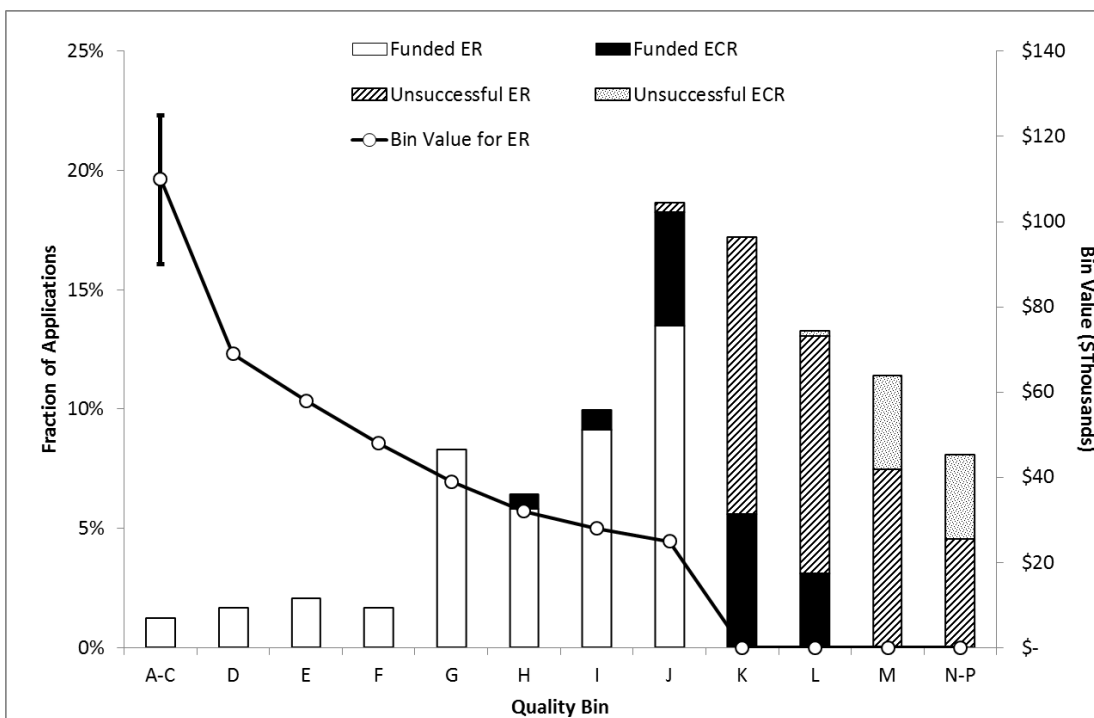
| 1512 - Mechanical Engineering | Early Career Researchers | Established Researchers | |
|--------------------------------------|---------------------------------|--------------------------------|----------------------------|
| | | Returning | Not Holding a Grant |
| Success Rate | 78% | 79% | 31% |
| Average Grant | \$23,448 | \$35,652 | \$24,053 |
| Total Amount Awarded | \$680,000 | \$3,244,300 | \$457,000 |

Figure 3 Distribution of the Percentage of Applications by Quality Bin for Each Evaluation Group, 2017 Competition

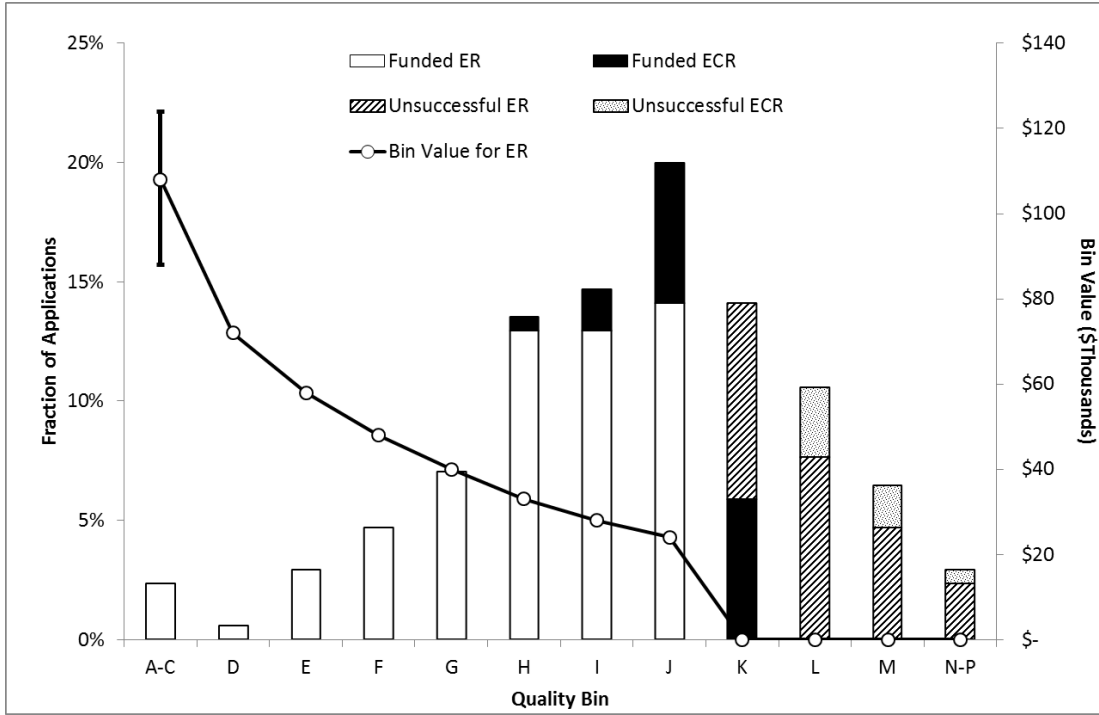
Gene, Cells and Molecules



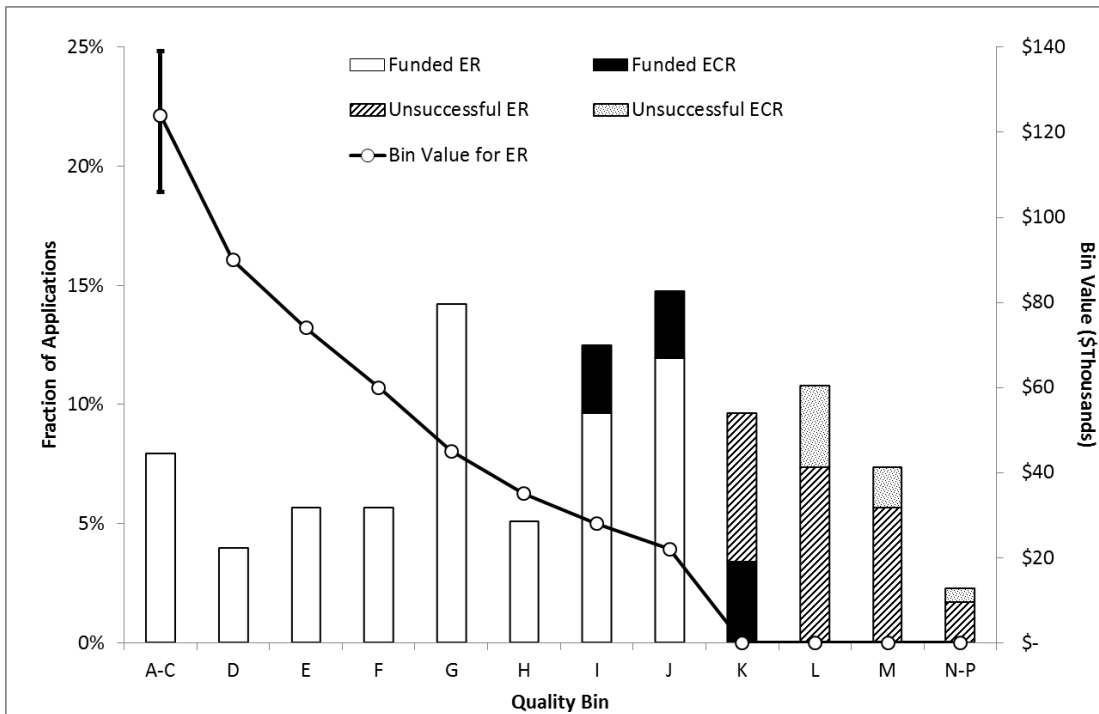
Biological Systems and Functions



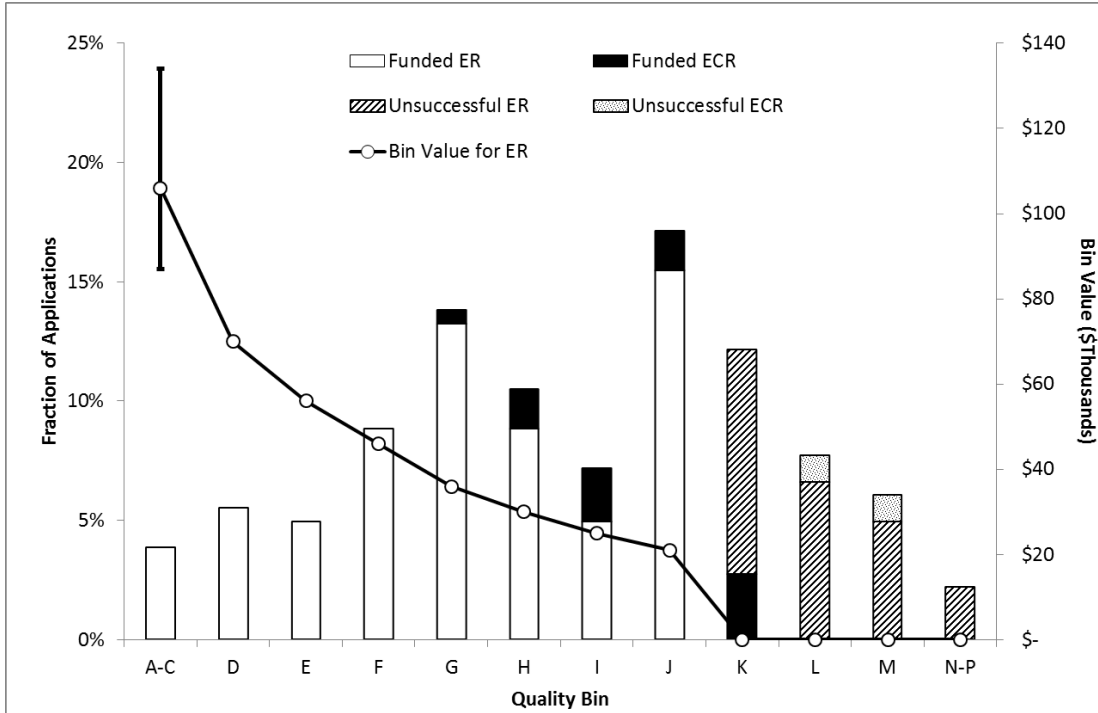
Evolution and Ecology



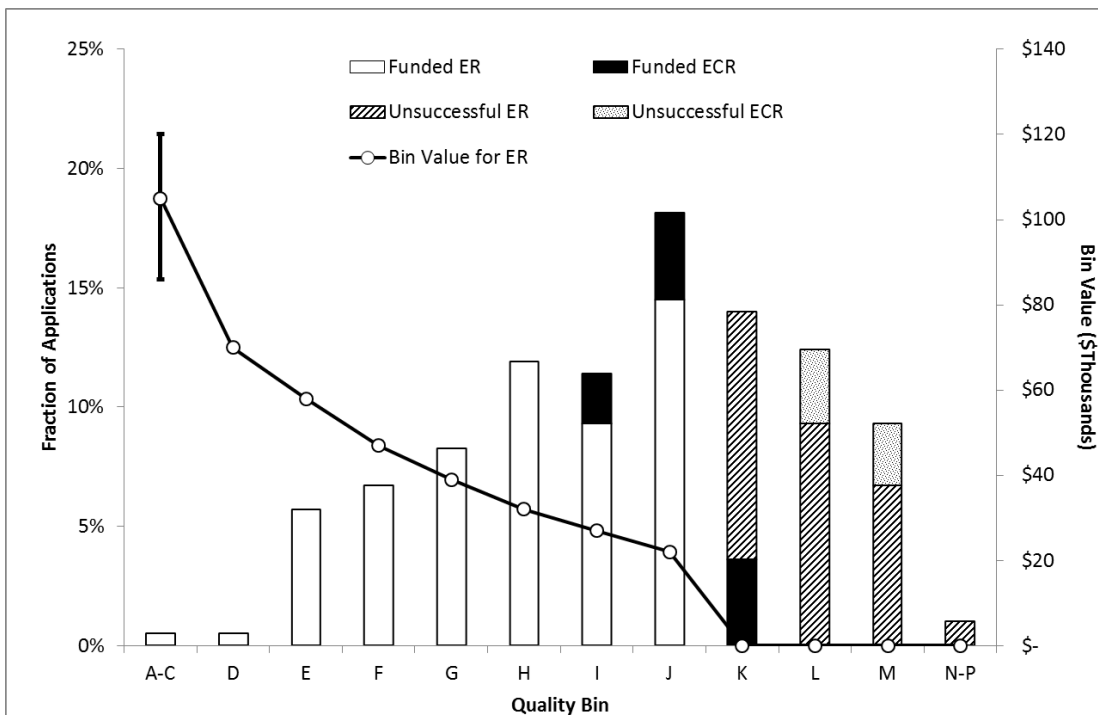
Chemistry



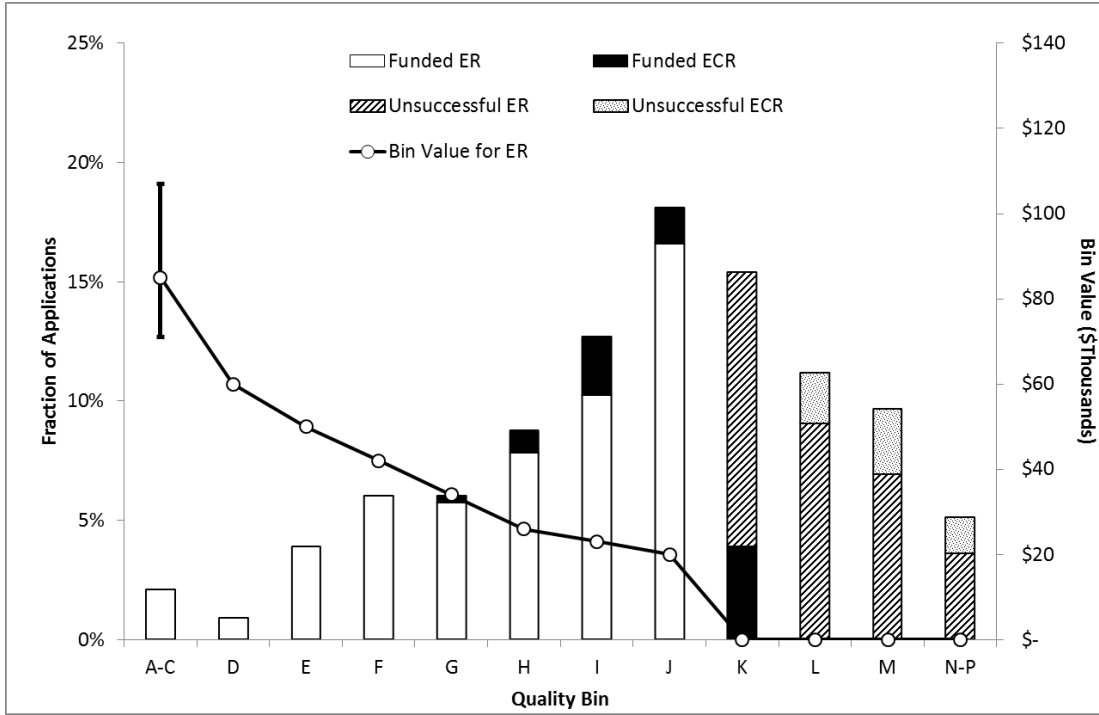
Physics



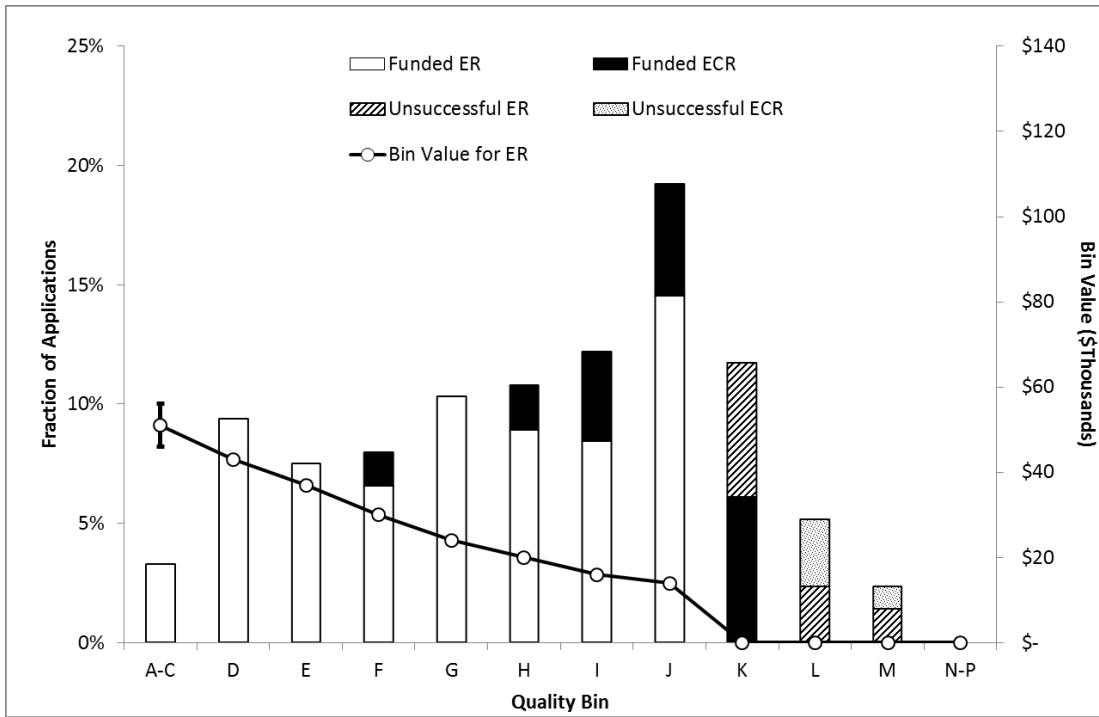
Geoscience



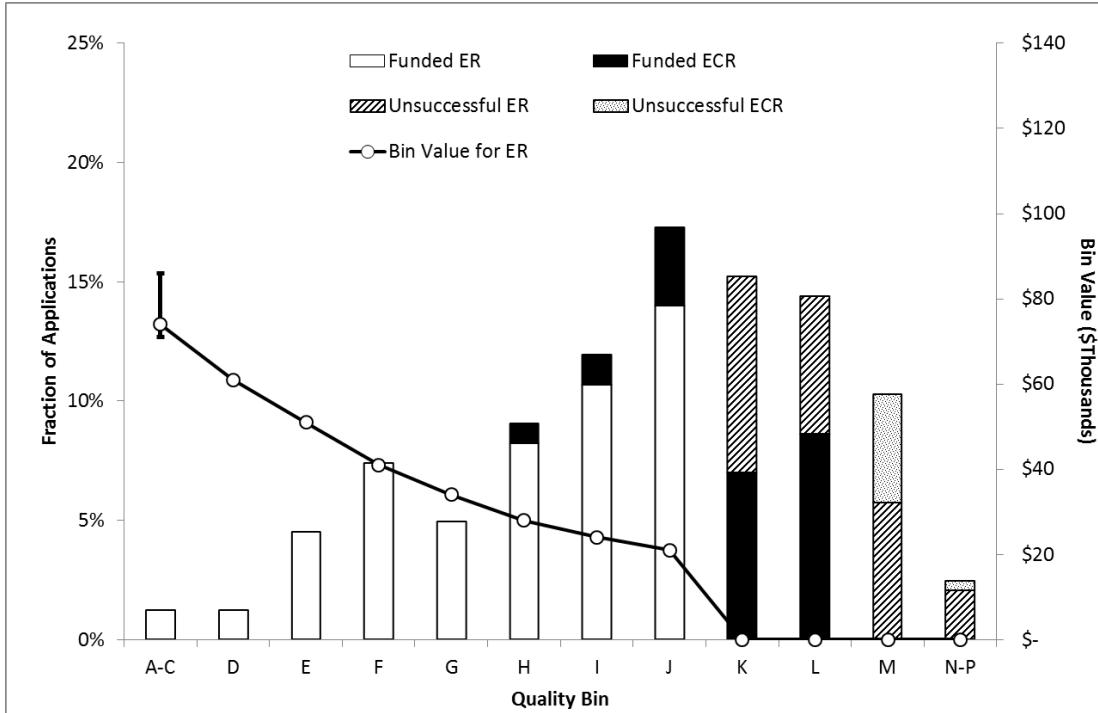
Computer Science



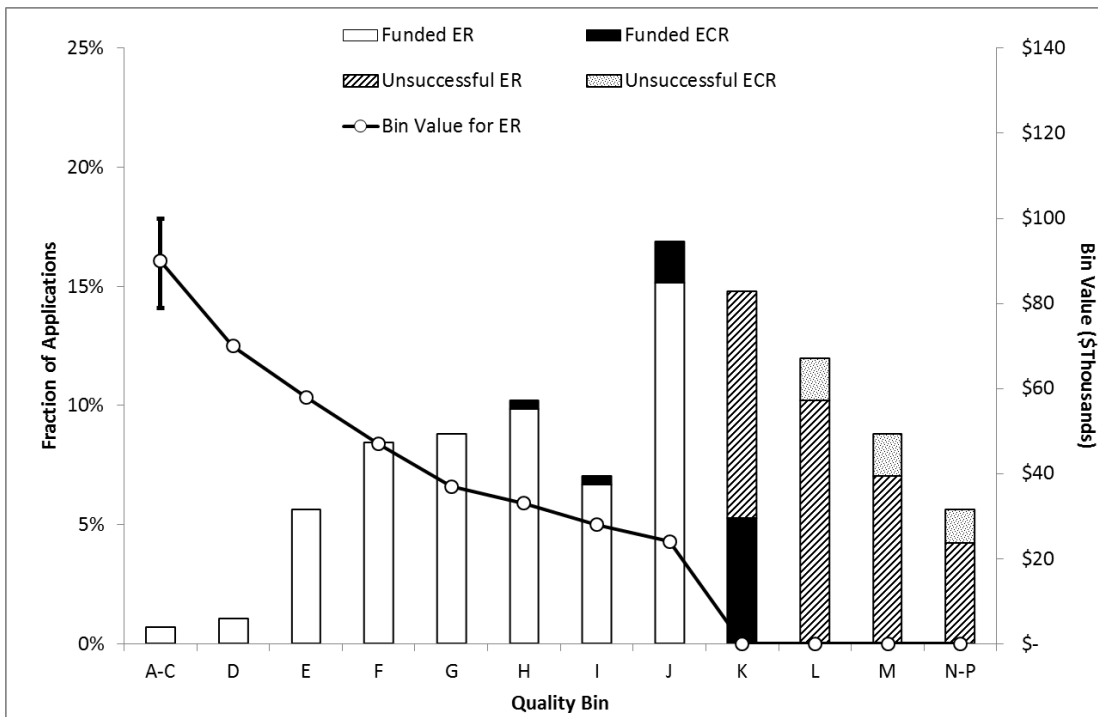
Mathematics and Statistics



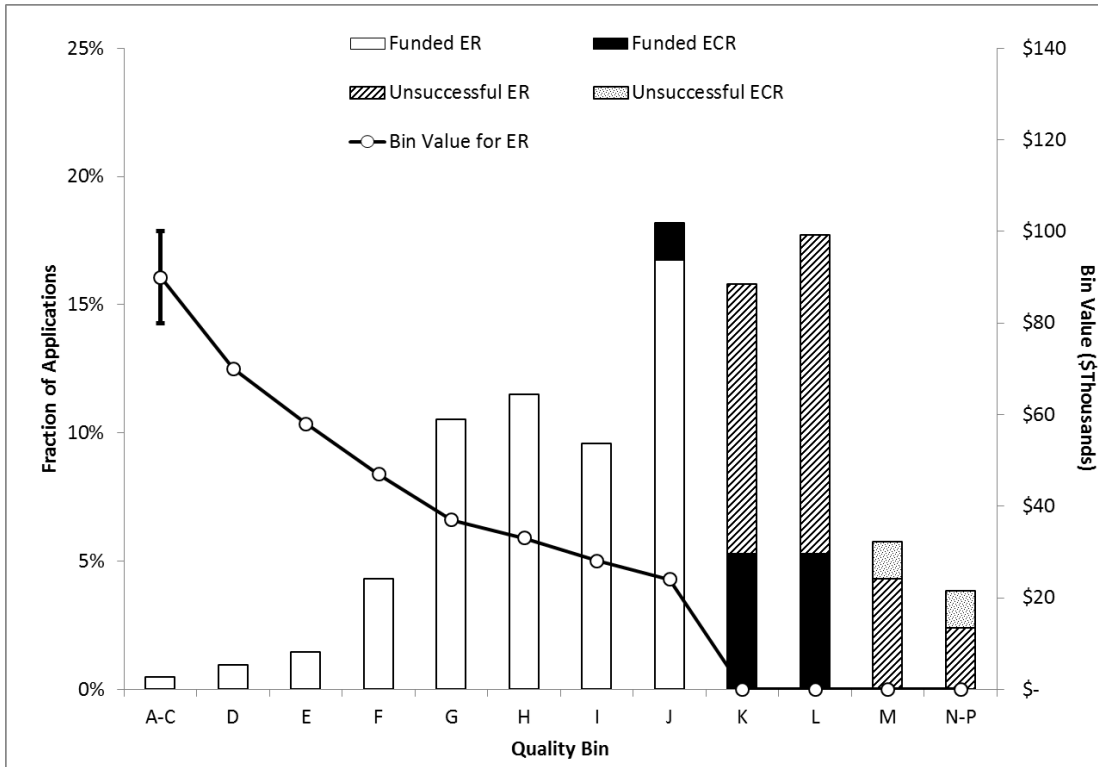
Civil, Industrial and Systems Engineering



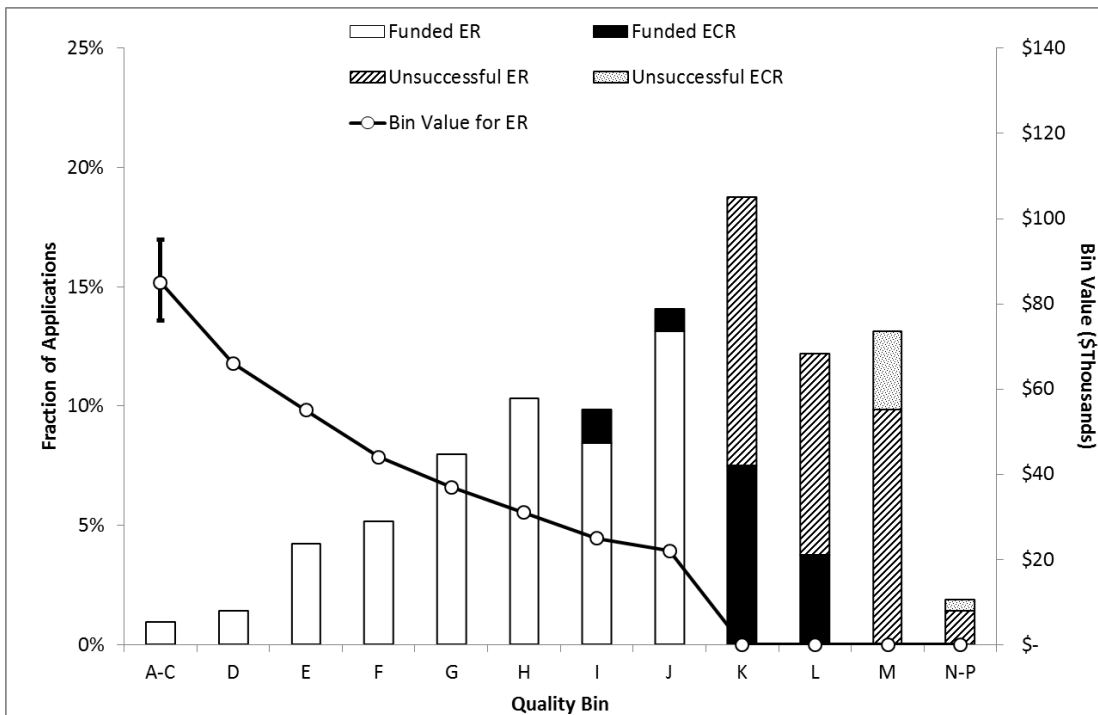
Electrical and Computer Engineering



Materials and Chemical Engineering



Mechanical Engineering



What is the distribution of applications by “quality bin”: http://www.nserc-crsng.gc.ca/NSERC-CRSNG/FundingDecisions-DecisionFinancement/Questions-Questions_eng.asp

SECTION 3 – SEX-DISAGGREGATED COMPETITION STATISTICS

The data used in this section was taken from the CCV portion of the 2017 applications where applicants are asked to indicate their sex. NSERC is committed to using more inclusive gender language in the future.

Table 8 Number of Applicants by Sex and Career Stage, 2017 Competition

| | Sex | | |
|--------------------------|--------|------|---------------|
| | Female | Male | Not Indicated |
| Adjunct, Emeriti & Other | 17 | 86 | 41 |
| Assistant Professor | 181 | 398 | 162 |
| Associate Professor | 166 | 536 | 208 |
| Professor | 187 | 1007 | 251 |
| Total | 551 | 2027 | 662 |

Table 9 Discovery Grant Success Rate and Average Awarded Amount by Career Stage and Sex, 2017 Competition

| | Success Rate | | | Average Award | | |
|--------------------------|--------------|------|---------------|---------------|----------|---------------|
| | Female | Male | Not Indicated | Female | Male | Not Indicated |
| Adjunct, Emeriti & Other | 18% | 47% | 61% | \$23,000 | \$27,663 | \$33,324 |
| Assistant Professor | 56% | 65% | 62% | \$25,821 | \$25,616 | \$25,544 |
| Associate Professor | 64% | 57% | 54% | \$31,674 | \$31,168 | \$28,000 |
| Professor | 80% | 75% | 77% | \$37,717 | \$38,859 | \$34,310 |

Table 10 Discovery Grant Success Rate and Average Grant by Applicant Status and Sex, 2017 Competition

| | Success Rate | | | Average Award | | |
|-------|--------------|------|---------------|---------------|----------|---------------|
| | Female | Male | Not Indicated | Female | Male | Not Indicated |
| ECR | 61% | 71% | 70% | \$25,962 | \$25,261 | \$25,268 |
| ER | 67% | 67% | 64% | \$34,330 | \$35,922 | \$32,103 |
| Total | 66% | 67% | 65% | \$32,475 | \$34,294 | \$30,565 |

Table 11 Discovery Grant Success Rate by Sex and Evaluation Group, 2017 Competition

| Evaluation Groups | Success Rate | | | Percentage of Applicants | | |
|--|--------------|-------|---------------|--------------------------|-------|---------------|
| | Female | Male | Not Indicated | Female | Male | Not Indicated |
| 1501 Genes, Cells and Molecules | 62.5% | 58.6% | 63.2% | 23.5% | 69.5% | 7.0% |
| 1502 Biological Systems and Functions | 54.4% | 61.6% | 50.9% | 28.2% | 60.0% | 11.8% |
| 1503 Evolution and Ecology | 71.9% | 74.7% | 66.0% | 18.8% | 53.5% | 27.6% |
| 1504 Chemistry | 77.4% | 73.3% | 68.0% | 17.6% | 68.2% | 14.2% |
| 1505 Physics | 80.0% | 73.9% | 73.9% | 11.0% | 63.5% | 25.4% |
| 1506 Geosciences | 69.6% | 71.6% | 57.4% | 11.9% | 56.5% | 31.6% |
| 1507 Computer Science | 66.0% | 57.5% | 69.5% | 14.2% | 54.1% | 31.7% |
| 1508 Mathematics and Statistics | 88.9% | 87.0% | 85.9% | 12.7% | 54.0% | 33.3% |
| 1509 Civil, Industrial and Systems Engineering | 68.6% | 76.0% | 68.5% | 14.4% | 63.4% | 22.2% |
| 1510 Electrical and Computer Engineering | 72.2% | 67.0% | 54.2% | 6.3% | 68.3% | 25.4% |
| 1511 Materials and Chemical Engineering | 64.7% | 71.4% | 57.1% | 16.3% | 63.6% | 20.1% |
| 1512 Mechanical Engineering | 70.0% | 65.8% | 61.4% | 9.4% | 70.0% | 20.7% |

SECTION 4 – RESEARCH TOOLS AND INSTRUMENTS

Table 12 Overall Comparative Statistics, 2015-2017 Research Tools and Instruments Competitions

| | 2015 | 2016 | 2017 |
|--------------------------------|--------------|--------------|--------------|
| Requested Amount | \$73,990,321 | \$79,110,834 | \$91,616,517 |
| Awarded Amount | \$25,207,106 | \$26,133,975 | \$30,471,770 |
| Funding Rate | 34% | 33% | 33% |
| Number of Applications | 666 | 657 | 748 |
| Number of Awarded Applications | 218 | 215 | 241 |
| Success Rate | 33% | 33% | 32% |

Table 13 Research Tools and Instruments 2017 Competition Results by Selection Committee

| | Requested | Awarded | Funding Rate | Applied | Awarded | Success Rate | Average Requested | Average Awarded |
|--|----------------------|---------------------|--------------|------------|------------|--------------|-------------------|------------------|
| Genes, Cells and Molecules (RTI) | \$11,983,400 | \$4,027,855 | 33.6% | 95 | 29 | 30.5% | \$126,141 | \$138,892 |
| Biological Systems and Functions (RTI) | \$12,526,283 | \$4,164,838 | 33.2% | 114 | 35 | 30.7% | \$109,880 | \$118,995 |
| Environmental Sciences (RTI) | \$9,844,159 | \$3,361,197 | 34.1% | 91 | 33 | 36.3% | \$108,178 | \$101,854 |
| Chemistry (RTI) | \$13,827,418 | \$4,540,681 | 32.8% | 107 | 34 | 31.8% | \$129,228 | \$133,549 |
| Physics (RTI) | \$7,553,476 | \$2,553,185 | 33.8% | 60 | 18 | 30.0% | \$125,891 | \$141,844 |
| Computer, Mathematical and Statistical Sciences (RTI) | \$3,719,621 | \$1,257,191 | 33.8% | 34 | 12 | 35.3% | \$109,401 | \$104,766 |
| Engineering (RTI) | \$32,162,160 | \$10,566,823 | 32.9% | 247 | 80 | 32.4% | \$130,211 | \$132,085 |
| Operation and Maintenance Support for Research Equipment (RTI) | \$18,824,043 | \$4,008,624 | 21.3% | 149 | 28 | 18.8% | \$126,336 | \$143,165 |
| Grand Total | \$110,440,560 | \$34,480,394 | 31.2% | 897 | 269 | 30.0% | \$123,122 | \$128,180 |