# 2020 Competition Statistics Discovery Grants, Research Tools and Instruments and Subatomic Physics Programs 

Welcome to the NSERC Competition Statistics Package for the Discovery Grants (DG), Research Tools and Instruments (RTI) and Subatomic Physics (SAP) Programs.
Notes on Data:

- The data used is from a point-in-time in our corporate database. The date used for this year isMarch $24^{\text {th }}, 2020$.
- Beginning in the 2019 competition, the category of Early Career Researcher was expanded to include applicants who have held an independent academic position for 5 years or less and have never held a Discovery Grant award.
- Grant values for Early Career Researchers presented in this document do not include the Discovery Launch Supplement. This one-time supplement of $\$ 12,500$ is awarded to all ECR when they receive their first Discovery Grant.
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## SECTION 1 - OVERALL STATISTICS

Figure 1 Planned investments in the Discovery Grants Program Elements, 2016-17 to 2020-21**


[^0]Table 1 Overall Comparative Statistics Discovery Grants Competitions, 2016-20

|  | 2016* |  | 2017 |  | 2018* |  | 2019 |  | 2020 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Success <br> Rate | Average <br> Grant (\$) | Success <br> Rate | Average <br> Grant (\$) | Success <br> Rate | Average <br> Grant (\$) | Success <br> Rate | Average <br> Grant (\$) | Success <br> Rate | Average <br> Grant (\$) |
| Early Career Researchers (ECR) | 75\% | \$28,771 | 69\% | \$25,409 | 64\% | \$29,599 | 57\% | \$30,008 | 61\% | \$29,007 |
| Established Researchers (ER) | 65\% | \$37,138 | 66\% | \$34,948 | 67\% | \$40,355 | 71\% | \$40,071 | 67\% | \$41,032 |

*Includes additional funding received resulting from Federal Budgets 2016 and 2018

Table 2 Number of Applications and Awards by Category of Applicants, 2016-20

| Competition | Number of Applications |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Year | $E C R$ | $E R-R$ | $E R-$ NHG | Total |
| $2016^{*}$ | 494 | 1,622 | 1,051 | 3,167 |
| 2017 | 562 | 1,636 | 1,042 | 3,240 |
| $2018^{*}$ | 677 | 1,635 | 901 | 3,213 |
| 2019 | 882 | 1,736 | 786 | 3,404 |
| 2020 | 889 | 1,721 | 762 | 3,372 |


| Number of Awards |  |  |  |
| :---: | :---: | :---: | :---: |
| $\boldsymbol{E C R}$ | $\boldsymbol{E R}$ - $\boldsymbol{R}$ | ER-NHG | Total |
| 369 | 1,333 | 392 | 2,094 |
| 385 | 1,360 | 409 | 2,154 |
| 433 | 1,366 | 326 | 2,125 |
| 499 | 1,462 | 318 | 2,279 |
| 543 | 1,387 | 279 | 2,209 |

*Includes additional funding received resulting from Federal Budgets 2016 and 2018
ECR = Early Career Researchers
ERR = Established Researchers - Returning
ER-NHG = Established Researchers - Not Holding a Grant

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), 2020 Competition

|  | Early Career Researchers |  |  | Established Researchers - Returning |  |  | Established Researchers - Not Holding aGrant |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Universities | Success Rate (\%) | Total Awarded (\$) | Average <br> Grant (\$) | Success Rate (\%) | Total Awarded (\$) | Average Grant (\$) | Success Rate (\%) | Total Awarded (\$) | Average <br> Grant (\$) |
| Acadia University | * | * | * | * | * | * | * | * | * |
| Algoma University | * | * | * | * | * | * | * | * | * |
| Athabasca University | * | * | * | * | * | * | * | * | * |
| Bishop's University | * | * | * | * | * | * | * | * | * |
| Brandon University | * | * | * | * | * | * | * | * | * |
| British Columbia Institute of Technology | * | * | * | * | * | * | * | * | * |
| Brock University | * | * | * | 70\% | 309,000 | 44,143 | 40\% | 61,000 | 30,500 |
| Cape Breton University | * | * | * | * | * | * | * | * | * |
| Carleton University | 54\% | 352,000 | 27,077 | 91\% | 743,000 | 35,381 | 25\% | 102,000 | 25,500 |
| Centre de recherche informatique de Montré | ${ }^{*}$ | * | * | * | * | * | * | * | * |
| Concordia University | 71\% | 293,000 | 29,300 | 85\% | 1,232,000 | 36,235 | 25\% | 191,000 | 31,833 |
| Concordia University of Edmonton | * | * | * | * | , | * | * | * | * |
| Dalhousie University | 56\% | 296,000 | 29,600 | 67\% | 1,181,503 | 36,922 | 40\% | 211,000 | 35,167 |
| École de technologie supérieure | 82\% | 258,000 | 28,667 | 89\% | 619,000 | 36,412 | 38\% | 97,000 | 32,333 |
| École Polytechnique de Montréal | 93\% | 420,000 | 30,000 | 81\% | 1,213,000 | 41,828 | * | * | * |
| Grant MacEwan University | * | * | * | * | * | * | * | * | * |
| HEC Montréal | * | * | * | * | * | * | * | * | * |
| Institut national de la recherche scientifique | 71\% | 145,000 | 29,000 | 76\% | 624,000 | 48,000 | 60\% | 122,000 | 40,667 |
| Lakehead University | 40\% | 161,000 | 26,833 | 50\% | 158,000 | 39,500 | 8\% | 41,000 | 41,000 |
| Laurentian University | 17\% | 26,000 | 26,000 | * | * | * | 33\% | 66,000 | 33,000 |
| McGill University | 68\% | 853,000 | 30,464 | 88\% | 3,798,325 | 43,659 | 48\% | 891,225 | 38,749 |
| McMaster University | 52\% | 324,000 | 29,455 | 81\% | 2,723,000 | 44,639 | 48\% | 337,000 | 33,700 |
| Memorial University of Newfoundland | 60\% | 254,000 | 28,222 | 81\% | 954,327 | 43,379 | 24\% | 171,000 | 34,200 |
| Mount Allison University | * | * | * | * | * | * | * | * | * |
| Mount Royal University | 60\% | 73,000 | 24,333 | * | * | * | * | * | * |
| Mount Saint Vincent University | * | * | * | * | * | * | * | * | * |
| Nipissing University | * | * | * | * | * | * | * | * | * |
| OCAD University | * | * | * | * | * | * | * | * | * |
| Ontario Tech University (University of Ontario | 56\% | 166,000 | 33,200 | 64\% | 266,000 | 29,556 | 23\% | 89,000 | 29,667 |
| Queen's University | 91\% | 903,000 | 30,100 | 97\% | 1,359,000 | 46,862 | 11\% | 24,000 | 24,000 |
| Royal Military College of Canada | * | * | * | 60\% | 93,000 | 31,000 | 0\% | 0 | N/A |
| Ryerson University | 68\% | 443,000 | 29,533 | 82\% | 1,110,000 | 41,111 | 34\% | 301,000 | 30,100 |
| Saint Mary's University | * | * | * | 80\% | 139,000 | 34,750 | * | * | * |
| Simon Fraser University | 67\% | 126,000 | 31,500 | 83\% | 2,028,472 | 47,174 | 27\% | 105,000 | 26,250 |
| St. Francis Xavier University | * | * | * | 100\% | 244,000 | 40,667 | * | * | * |
| TÉLUQ | * | * | * | * | * | * | * | * | * |
| The King's University (Edmonton) | * | * | * | * | * | * | * | * | * |
| The University of British Columbia | 73\% | 1,230,000 | 33,243 | 83\% | 4,573,881 | 48,146 | 47\% | 870,600 | 36,275 |
| The University of Western Ontario | 55\% | 322,000 | 26,833 | 83\% | 2,124,748 | 39,347 | 29\% | 326,000 | 36,222 |
| The University of Winnipeg | * | * | * | 40\% | 71,000 | 35,500 | * | * | * |
| Thompson Rivers University | 17\% | 33,000 | 33,000 | * | * | * | * | * | * |
| Trent University | 67\% | 109,000 | 27,250 | * | * | * | * | * | * |
| Trinity Western University | * | * | * | * | * | * | * | * | * |
| TRIUMF | * | * | * | * | * | * | * | * | * |
| Université de Moncton | * | * | * | * | * | * | 20\% | 26,000 | 26,000 |
| Université de Montréal | 57\% | 507,000 | 31,688 | 75\% | 1,796,000 | 40,818 | 21\% | 226,000 | 37,667 |
| Université de Sherbrooke | 41\% | 243,000 | 27,000 | 82\% | 1,297,000 | 41,839 | 33\% | 126,000 | 31,500 |
| Université du Québecà Chicoutimi | 18\% | 58,000 | 29,000 | * | * | * | * | * | * |
| Université du Québec à Montréal | 82\% | 230,000 | 25,556 | 69\% | 425,100 | 38,645 | 64\% | 235,000 | 26,111 |
| Université du Québec à Rimouski | 40\% | 57,000 | 28,500 | 83\% | 230,000 | 46,000 | * | * | * |
| Université du Québec à Trois-Rivières | 50\% | 177,000 | 25,286 | * | * | * | * | * | * |
| Université du Québec en Abitibi-Témiscamin | ${ }^{*}$ | * | * | 80\% | 125,000 | 31,250 | * | * | * |
| Université du Québec en Outaouais | 60\% | 76,000 | 25,333 | * | * | * | * | * | * |
| Université Laval | 57\% | 580,000 | 29,000 | 85\% | 2,307,000 | 41,945 | 52\% | 422,000 | 38,364 |
| Université Sainte-Anne | * | * | * | * | * | * | * | * | * |
| University of Alberta | 56\% | 817,000 | 29,179 | 82\% | 4,131,000 | 43,947 | 52\% | 603,000 | 35,471 |
| University of Calgary | 78\% | 503,000 | 27,944 | 84\% | 2,623,000 | 42,306 | 44\% | 503,000 | 45,727 |
| University of Guelph | 76\% | 370,000 | 28,462 | 71\% | 1,396,000 | 43,625 | 38\% | 240,000 | 30,000 |
| University of Lethbridge | 80\% | 119,000 | 29,750 | 82\% | 588,472 | 42,034 | * | * | * |
| University of Manitoba | 67\% | 458,000 | 28,625 | 72\% | 1,089,000 | 35,129 | 46\% | 394,000 | 32,833 |
| University of New Brunswick | 57\% | 237,000 | 29,625 | 87\% | 443,000 | 34,077 | * | * | * |
| University of Northern British Columbia | 80\% | 105,000 | 26,250 | * | * | * | * | * | * |
| University of Ottawa | 67\% | 394,000 | 32,833 | 84\% | 2,026,420 | 43,115 | 32\% | 289,000 | 36,125 |
| University of Prince Edward Island | 13\% | 30,000 | 30,000 | * | * | * | 20\% | 41,000 | 41,000 |
| University of Regina | 33\% | 112,000 | 28,000 | 57\% | 92,000 | 23,000 | 8\% | 28,000 | 28,000 |
| University of Saskatchewan | 61\% | 402,000 | 28,714 | 75\% | 1,110,000 | 37,000 | 44\% | 352,000 | 32,000 |
| University of the Fraser Valley | * | * | * | * | * | * | * | * | * |
| University of Toronto | 71\% | 1,153,790 | 29,584 | 81\% | 5,362,413 | 46,228 | 46\% | 977,916 | 39,117 |
| University of Victoria | 60\% | 230,849 | 25,650 | 79\% | 1,410,000 | 45,484 | 45\% | 196,793 | 39,359 |
| University of Waterloo | 71\% | 696,000 | 29,000 | 91\% | 3,652,961 | 42,976 | 50\% | 371,000 | 33,727 |
| University of Windsor | 64\% | 364,000 | 26,000 | 72\% | 579,000 | 44,538 | 44\% | 101,000 | 25,250 |
| Vancouver Island University | * | * | * | * | * | * | * | * | * |
| Wilfrid Laurier University | 67\% | 103,000 | 25,750 | 75\% | 413,000 | 34,417 | * | * | * |
| York University | 63\% | 402,000 | 26,800 | 78\% | 1,180,000 | 42,143 | 0\% | 0 | N/A |
| Grand Total | 61\% | 15,750,639 | 29,007 | 81\% | 58,694,197 | 42,317 | 37\% | 9,664,534 | 34,640 |

Table 4 Statistics by University Size, 2020 Competition

|  |  | University Size |  |  |
| :--- | :--- | :---: | :---: | :---: |
| Category of Applicants | Data | Large | Medium | Small |
|  | Number of Applications | 575 | 140 | 174 |
|  | Number of grants | 377 | 94 | 72 |
|  | Success Rate | $66 \%$ | $67 \%$ | $41 \%$ |
|  | Total Amount | $\$ 11,180,639$ | $\$ 2,626,000$ | $\$ 1,944,000$ |
|  | Average Grant | $\$ 29,657$ | $\$ 27,936$ | $\$ 27,000$ |
| Established Researchers - Returning | Number of Applications | 1351 | 221 | 149 |
|  | Number of grants | 1,109 | 178 | 100 |
|  | Success Rate | $82 \%$ | $81 \%$ | $67 \%$ |
|  | Total Amount | $\$ 47,945,723$ | $\$ 7,166,427$ | $\$ 3,582,047$ |
|  | Average Grant | $\$ 43,233$ | $\$ 40,261$ | $\$ 35,820$ |
| Grant | Number of Applications | 512 | 128 | 122 |
|  | Number of grants | 211 | 42 | 26 |
|  | Success Rate | $41 \%$ | $33 \%$ | $21 \%$ |
|  | Total Amount | $\$ 7,595,534$ | $\$ 1,271,000$ | $\$ 798,000$ |
|  | Average Grant | $\$ 35,998$ | $\$ 30,262$ | $\$ 30,692$ |

Table 5 Success Rate by Category of Applicants and University Size, 2016-20

|  | Large |  |  |  |  | Medium |  |  |  |  | Small |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016* | 2017 | 2018* | 2019 | 2020 | 2016* | 2017 | 2018* | 2019 | 2020 | 2016* | 2017 | 2018* | 2019 | 2020 |
| Early Career Researchers | 80\% | 72\% | 70\% | 63\% | 66\% | 73\% | 72\% | 61\% | 54\% | 67\% | 49\% | 52\% | 43\% | 37\% | 41\% |
| Established Researchers Returning | 85\% | 86\% | 85\% | 85\% | 82\% | 77\% | 79\% | 79\% | 80\% | 81\% | 66\% | 68\% | 77\% | 81\% | 67\% |
| Established Researchers - Not Holding a Grant | 43\% | 45\% | 39\% | 42\% | 41\% | 33\% | 33\% | 33\% | 38\% | 33\% | 20\% | 27\% | 30\% | 35\% | 21\% |

*Includes additional funding received resulting from Federal Budget 2016 and 2018

Table 6 Number of Applications by Quality Bins by University Size, 2020 Competition

|  | University Size |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Large |  | Medium |  | Small |  |  |
| Bin | Number | Percentage | Number | Percentage | Number | Percentage |  |
| A | 2 | $0.1 \%$ | 0 | $0.0 \%$ | 0 | $0.0 \%$ |  |
| B | 6 | $0.2 \%$ | 0 | $0.0 \%$ | 0 | $0.0 \%$ |  |
| C | 18 | $0.7 \%$ | 3 | $0.6 \%$ | 0 | $0.0 \%$ |  |
| D | 59 | $2.4 \%$ | 5 | $1.0 \%$ | 3 | $0.7 \%$ |  |
| E | 119 | $4.9 \%$ | 11 | $2.2 \%$ | 3 | $0.7 \%$ |  |
| F | 167 | $6.8 \%$ | 26 | $5.3 \%$ | 9 | $2.0 \%$ |  |
| G | 211 | $8.7 \%$ | 30 | $6.1 \%$ | 22 | $4.9 \%$ |  |
| H | 284 | $11.6 \%$ | 37 | $7.6 \%$ | 19 | $4.3 \%$ |  |
| I | 334 | $13.7 \%$ | 56 | $11.5 \%$ | 32 | $7.2 \%$ |  |
| J | 395 | $16.2 \%$ | 102 | $20.9 \%$ | 62 | $13.9 \%$ |  |
| K | 320 | $13.1 \%$ | 89 | $18.2 \%$ | 83 | $18.7 \%$ |  |
| L | 252 | $10.3 \%$ | 66 | $13.5 \%$ | 77 | $17.3 \%$ |  |
| M | 173 | $7.1 \%$ | 44 | $9.0 \%$ | 85 | $19.1 \%$ |  |
| N | 71 | $2.9 \%$ | 10 | $2.0 \%$ | 31 | $7.0 \%$ |  |
| O | 22 | $0.9 \%$ | 7 | $1.4 \%$ | 14 | $3.1 \%$ |  |
| P | 5 | $0.2 \%$ | 3 | $0.6 \%$ | 5 | $1.1 \%$ |  |
| Total | $\mathbf{2 4 3 8}$ | $\mathbf{1 0 0 . 0} \%$ | $\mathbf{4 8 9}$ | $\mathbf{1 0 0 . 0 \%}$ | 445 | $\mathbf{1 0 0 . 0 \%}$ |  |

Figure 2 Percentage of Occurrences of Various Combinations of Ratings in Bin K by University Size for the 2020 Competition


[^1]
## SECTION 2 - STATISTICS BY EVALUATION GROUP

Table $7 \quad$ Success Rate, Average Grant and Total Amount Awarded by Category of Applicant for Each Evaluation Group, 2020 Competition

|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| 1501 - Genes, Cells and Molecules | Researchers | Returning | Not Holding a Grant |
| Success Rate | $56 \%$ | $66 \%$ | $32 \%$ |
| Average Grant | $\$ 34,493$ | $\$ 44,649$ | $\$ 39,546$ |
| Total Amount Awarded | $\$ 2,449,000$ | $\$ 7,054,502$ | $\$ 2,016,825$ |


| 1502 - Biological Systems and | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| Functions | Researchers | Returning | Not Holding a Grant |
| Success Rate | $63 \%$ | $75 \%$ | $38 \%$ |
| Average Grant | $\$ 28,155$ | $\$ 44,446$ | $\$ 37,640$ |
| Total Amount Awarded | $\$ 2,505,790$ | $\$ 8,755,806$ | $\$ 1,882,016$ |


|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| $\mathbf{1 5 0 3}$ - Evolution and Ecology | Researchers | Returning | Not Holding a Grant |
| Success Rate | $54 \%$ | $83 \%$ | $48 \%$ |
| Average Grant | $\$ 30,464$ | $\$ 45,097$ | $\$ 33,400$ |
| Total Amount Awarded | $\$ 974,849$ | $\$ 4,194,000$ | $\$ 501,000$ |


| $\mathbf{1 5 0 4}$ - Chemistry | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
|  | Researchers | Returning | Not Holding a Grant |
|  | $53 \%$ | $84 \%$ | $44 \%$ |
| Average Grant | $\$ 28,824$ | $\$ 53,125$ | $\$ 45,643$ |
| Total Amount Awarded | $\$ 490,000$ | $\$ 5,100,000$ | $\$ 639,000$ |


| $\mathbf{1 5 0 5}$ - Physics | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
|  | Researchers | Returning | Not Holding a Grant |
| Success Rate | $69 \%$ | $93 \%$ | $43 \%$ |
| Average Grant | $\$ 29,000$ | $\$ 41,731$ | $\$ 32,900$ |
| Total Amount Awarded | $\$ 1,044,000$ | $\$ 3,881,000$ | $\$ 658,000$ |


|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| $\mathbf{1 5 0 6}$ - Geosciences | Researchers | Returning | Not Holding a Grant |
| Success Rate | $54 \%$ | $86 \%$ | $43 \%$ |
| Average Grant | $\$ 29,833$ | $\$ 46,502$ | $\$ 34,842$ |
| Total Amount Awarded | $\$ 895,000$ | $\$ 4,092,171$ | $\$ 662,000$ |


|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| 1507 - Computer Science | Researchers | Returning | Not Holding a Grant |
| Success Rate | $67 \%$ | $81 \%$ | $39 \%$ |
| Average Grant | $\$ 29,118$ | $\$ 39,783$ | $\$ 33,432$ |
| Total Amount Awarded | $\$ 2,213,000$ | $\$ 5,370,748$ | $\$ 1,136,693$ |


|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| $\mathbf{1 5 0 8}$ - Mathematics and Statistics |  | Returning | Not Holding a Grant |
| Success Rate | $68 \%$ | $84 \%$ | $39 \%$ |
| Average Grant | $\$ 21,370$ | $\$ 26,061$ | $\$ 21,571$ |
| Total Amount Awarded | $\$ 983,000$ | $\$ 2,997,000$ | $\$ 302,000$ |


| 1509 - Civil, industrial and Systems <br> Engineering | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
|  |  | Returning | Not Holding a Grant |
| Success Rate | $55 \%$ | $87 \%$ | $41 \%$ |
| Average Grant | $\$ 27,286$ | $\$ 41,963$ | $\$ 27,136$ |
| Total Amount Awarded | $\$ 1,337,000$ | $\$ 4,825,770$ | $\$ 597,000$ |


| 1510 - Electrical and Computer | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| Engineering | Researchers | Returning | Not Holding a Grant |
| Success Rate | $55 \%$ | $82 \%$ | $24 \%$ |
| Average Grant | $\$ 29,757$ | $\$ 40,771$ | $\$ 30,111$ |
| Total Amount Awarded | $\$ 1,101,000$ | $\$ 4,811,000$ | $\$ 542,000$ |


| 1511 - Materials and Chemical | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| Engineering |  | Returning | Not Holding a Grant |
| Success Rate | $70 \%$ | $80 \%$ | $35 \%$ |
| Average Grant | $\$ 31,419$ | $\$ 46,489$ | $\$ 32,000$ |
| Total Amount Awarded | $\$ 974,000$ | $\$ 3,951,600$ | $\$ 352,000$ |


|  | Early Career | Established Researchers |  |
| :--- | :---: | :---: | :---: |
| $\mathbf{1 5 1 2 ~ - ~ M e c h a n i c a l ~ E n g i n e e r i n g ~}$ | Researchers | Returning | Not Holding a Grant |
| Success Rate | $71 \%$ | $88 \%$ | $32 \%$ |
| Average Grant | $\$ 27,034$ | $\$ 38,943$ | $\$ 34,182$ |
| Total Amount Awarded | $\$ 784,000$ | $\$ 3,660,600$ | $\$ 376,000$ |

Figure 3 Distribution of the Percentage of Applications by Quality Bin for Each Evaluation Group, 2020 Competition

Gene, Cells and Molecules


Biological Systems and Functions


## Evolution and Ecology



Chemistry


Physics


Geosciences


Computer Science


Mathematics and Statistics


Civil, Industrial and Systems Engineering


Electrical and Computer Engineering


Materials and Chemical Engineering


Mechanical Engineering


## SECTION 3 - GENDER-DISAGGREGATED COMPETITION STATISTICS

Table 8 Number of Applicants by Gender and Career Stage, 2020 Competition

|  | Gender |  |  |
| :--- | :---: | :---: | :---: |
|  |  |  | Other <br> Categories* |
| Adjunct, Emeriti \& Other | 24 | 124 | 6 |
| Assistant Professor | 305 | 567 | 36 |
| Associate Professor | 211 | 623 | 71 |
| Professor | 255 | 1037 | 113 |
| Total | 795 | 2351 | 226 |

* Other Categories is an aggregation of the responses 'Gender-fluid, non-binary, and/or Two-Spirit' and 'I Prefer Not To Answer'

Table 9 Discovery Grant Success Rate and Average Awarded Amount by Career Stage and Gender, 2020 Competition

|  | Success Rate |  |  | Average Award |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Woman | Man | Other <br> Categories* | Woman | Man | Other <br> Categories* |
| Adjunct, Emeriti \& Other | $58 \%$ | $46 \%$ | $50 \%$ | $\$ 33,132$ | $\$ 34,632$ | $\$ 32,000$ |
| Assistant Professor | $62 \%$ | $64 \%$ | $56 \%$ | $\$ 29,330$ | $\$ 29,887$ | $\$ 36,750$ |
| Associate Professor | $66 \%$ | $59 \%$ | $63 \%$ | $\$ 38,599$ | $\$ 35,764$ | $\$ 33,044$ |
| Professor | $73 \%$ | $71 \%$ | $79 \%$ | $\$ 45,773$ | $\$ 43,383$ | $\$ 44,757$ |

* Other Categories is an aggregation of the responses 'Gender-fluid, non-binary, and/or Two-Spirit' and 'I Prefer Not To Answer'

Table 10 Discovery Grant Success Rate and Average Grant by Applicant Status and Gender, 2020 Competition

|  | Success Rate |  |  | Average Grant |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Woman | Man | Other <br> Categories* | Woman | Man | Other <br> Categories* |
| ECR | $61 \%$ | $62 \%$ | $52 \%$ | $\$ 28,855$ | $\$ 28,891$ | $\$ 33,533$ |
| ER | $70 \%$ | $66 \%$ | $72 \%$ | $\$ 42,575$ | $\$ 40,614$ | $\$ 40,834$ |
| Total | $66 \%$ | $65 \%$ | $69 \%$ | $\$ 37,664$ | $\$ 38,006$ | $\$ 40,136$ |

* Other Categories is an aggregation of the responses 'Gender-fluid, non-binary, and/or Two-Spirit' and 'I Prefer Not To Answer'


## Table 11 Discovery Grant Success Rate by Gender and Evaluation Group, 2020 Competition

|  |  | Success Rate |  |  | Percentage of Applicants |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Evaluation Groups | Woman | Man | Other Categories* | Woman | Man | Other Categories* |
| 1501 | Genes, Cells and Molecules | 54.1\% | 53.2\% | 53.3\% | 28.2\% | 66.0\% | 5.7\% |
| 1502 | Biological Systems and Functions | 61.8\% | 62.2\% | 71.8\% | 30.8\% | 61.9\% | 7.3\% |
| 1503 | Evolution and Ecology | 74.6\% | 66.9\% | 64.3\% | 33.2\% | 59.9\% | 6.9\% |
| 1504 | Chemistry | 71.0\% | 70.5\% | 80.0\% | 17.4\% | 74.2\% | 8.4\% |
| 1505 | Physics | 86.4\% | 71.8\% | 75.0\% | 22.2\% | 71.7\% | 6.1\% |
| 1506 | Geosciences | 69.6\% | 69.0\% | 50.0\% | 22.8\% | 70.3\% | 6.9\% |
| 1507 | Computer Science | 72.3\% | 64.4\% | 72.4\% | 17.6\% | 74.5\% | 7.9\% |
| 1508 | Mathematics and Statistics | 74.1\% | 71.9\% | 75.0\% | 22.4\% | 71.0\% | 6.6\% |
| 1509 | Civil, Industrial and Systems Engineering | 59.4\% | 68.4\% | 93.8\% | 25.1\% | 69.1\% | 5.8\% |
| 1510 | Electrical and Computer Engineering | 66.7\% | 59.4\% | 64.7\% | 13.7\% | 80.4\% | 6.0\% |
| 1511 | Materials and Chemical Engineering | 76.6\% | 68.8\% | 55.6\% | 26.0\% | 69.1\% | 5.0\% |
| 1512 | Mechanical Engineering | 70.0\% | 73.5\% | 80.0\% | 11.0\% | 80.8\% | 8.2\% |

* Other Categories is an aggregation of the responses 'Gender-fluid, non-binary, and/or Two-Spirit' and 'I Prefer Not To Answer'


## SECTION 4 - RESEARCH TOOLS AND INSTRUMENTS

Table 12 Overall Comparative Statistics, 2018-2020 Research Tools and Instruments Competitions

|  | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ |
| :--- | :---: | :---: | :---: |
| Requested Amount | $\$ 120,786,352$ | $\$ 117,102,340$ | $\$ 107,142,930$ |
| Awarded Amount | $\$ 25,145,333$ | $\$ 25,299,198$ | $\$ 30,725,073$ |
| Funding Rate | $21 \%$ | $22 \%$ | $29 \%$ |
| Number of Applications | 1,043 | 1,005 | 892 |
| Number of Awarded Applications | 208 | 210 | 249 |
| Success Rate | $20 \%$ | $21 \%$ | $28 \%$ |

Table 13 Research Tools and Instruments 2020 Competition Results by Selection Committee

|  | Requested | Awarded | Funding Rate | Applied | Awarded | Success Rate | Average <br> Requested | Average <br> Awarded |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Genes, Cells and Molecules (RTI) | \$13,298,575 | \$3,757,979 | 28.3\% | 114 | 31 | 27.2\% | \$116,654 | \$121,225 |
| Biological System and Functions (RTI) | \$17,723,235 | \$5,107,495 | 28.8\% | 151 | 43 | 28.5\% | \$117,372 | \$118,779 |
| Evolution and Ecology (RTI) | \$3,535,278 | \$1,022,161 | 28.9\% | 36 | 10 | 27.8\% | \$98,202 | \$102,216 |
| Chemistry (RTI) | \$13,512,875 | \$3,763,527 | 27.9\% | 108 | 30 | 27.8\% | \$125,119 | \$125,451 |
| Physics (RTI) | \$9,887,906 | \$2,865,328 | 29.0\% | 73 | 22 | 30.1\% | \$135,451 | \$130,242 |
| Geosciences (RTI) | \$7,433,024 | \$2,091,838 | 28.1\% | 70 | 20 | 28.6\% | \$106,186 | \$104,592 |
| Computer, Mathematical and Statistical Sciences (RTI) | \$2,488,269 | \$776,731 | 31.2\% | 25 | 7 | 28.0\% | \$99,531 | \$110,962 |
| Civil, Industrial and Systems Engineering (RTI) | \$6,972,454 | \$2,058,799 | 29.5\% | 58 | 17 | 29.3\% | \$120,215 | \$121,106 |
| Electrical and Computer Engineering (RTI) | \$7,813,690 | \$2,222,612 | 28.4\% | 64 | 16 | 25.0\% | \$122,089 | \$138,913 |
| Materials and Chemical Engineering (RT) | \$13,372,560 | \$3,867,621 | 28.9\% | 105 | 29 | 27.6\% | \$127,358 | \$133,366 |
| Mechanical Engineering (RTI) | \$11,105,064 | \$3,190,982 | 28.7\% | 88 | 24 | 27.3\% | \$126,194 | \$132,958 |
| Grand Total | \$107,142,930 | \$30,725,073 | 28.7\% | 892 | 249 | 27.9\% | \$120,115 | \$123,394 |

## SECTION 5 - SUBATOMIC PHYSICS PROGRAMS

Table 14 Overall Comparative Statistics, Subatomic Physics Programs Competitions, 2016-20

|  | 2016 | 2017 | 2018 | 2019 | 2020 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Total Awarded Amount (\$) | $\$ 8,333,575$ | $\$ 9,257,503$ | $\$ 9,625,187$ | $\$ 9,695,912$ | $\$ 5,331,506$ |
| Success Rate | $79.3 \%$ | $84.3 \%$ | $73.7 \%$ | $76.3 \%$ | $66.7 \%$ |
| Number of Applicants ${ }^{1}$ | 158 | 165 | 124 | 143 | 117 |
| Number of Applications | 58 | 51 | 38 | 59 | 57 |
| Number of Applications for <br> Equipment and Resources | 16 | 13 | 9 | 8 | 10 |
| Number of Applications for <br> Individual Grants | 22 | 17 | 15 | 20 | 26 |
| Number of Applications for <br> Project and Team Grants | 20 | 21 | 14 | 31 | 21 |

${ }^{1}$ Data from SAP team, reported data includes applicants and co-applicants
Equipment and Resources $=$ SAPEQ + SAPMR
Individual Grants = SAPIN
Project and Team Grants = SAPPJ + SAPGP

## SECTION 6 - COMPETITION RESULTS DISAGGREGATED BY APPLICANT SELF-IDENTIFICATION DATA

Table 15 Gender Identity - Women, 2020 Competition

This table shows data for women only. For more inclusive gender reporting for Discovery Grants, see Section 3 - Gender disaggregated competition statistics.

| Program | \% Applications | \% Awards |
| :--- | :---: | :---: |
| Discovery Grants | $23.6 \%$ | $23.9 \%$ |
| Subatomic Physics Grants* | $15.8 \%$ | $15.8 \%$ |
| Research Tools and Instruments* | $25.0 \%$ | $24.1 \%$ |

*For SAP and RTI, the data reported does not include co-applicants in any of the percentages.

Table 16 Indigenous Persons, 2020 Competition

| Program | \% Applications | \% Awards |
| :--- | :---: | :---: |
| Discovery Grants | $0.6 \%$ | $0.5 \%$ |
| Subatomic Physics Grants* | $0.0 \%$ | $0.0 \%$ |
| Research Tools and Instruments* | $* *$ | $* *$ |

*For SAP and RTI, the data reported does not include co-applicants in any of the percentages.
**Amounts removed based on Privacy Act

Table 17 Persons with a Disability, 2020 Competition

| Program | \% Applications | \% Awards |
| :--- | :---: | :---: |
| Discovery Grants | $1.8 \%$ | $1.4 \%$ |
| Subatomic Physics Grants* | $* *$ | $* *$ |
| Research Tools and Instruments* | $1.6 \%$ | $* *$ |

*For SAP and RTI, the data reported does not include co-applicants in any of the percentages.
**Amounts removed based on Privacy Act

Table 18 Member of a Visible Minority, 2020 Competition

| Program | \% Applications | \% Awards |
| :--- | :---: | :---: |
| Discovery Grants | $25.3 \%$ | $23.3 \%$ |
| Subatomic Physics Grants* | $15.8 \%$ | $* *$ |
| Research Tools and Instruments* | $24.3 \%$ | $22.9 \%$ |

*For SAP and RTI, the data reported does not include co-applicants in any of the percentages.
**Amounts removed based on Privacy Act


[^0]:    Amounts shown include new and continuing awards expected for each fiscal year.
    ${ }^{*}$ Includes Discovery Grants (Individual and Team) and Subatomic Physics Discovery Grants (Individual, Team and Project).
    **Includes additional funding received resulting from Federal Budget 2016 \& 2018

[^1]:    MSS: 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

