

Partner

Welcome to the 2020 Oregon Space Grant Consortium Virtual Affiliate Meeting

September 10, 2020

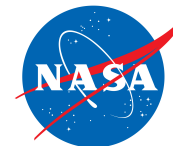
2020



Very bad, would not recommend.



OSGC Family



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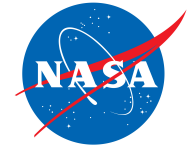
Agenda



- **Welcome** – Jack Higginbotham, *OSGC Director*
- **Tribute to Nancy Squires** – David Blunck, *Associate Professor Mechanical Engineering, OSU*
- **Funding Status Updates** – Jack Higginbotham
- **COVID-19 Impacts** – Jack Higginbotham
- **Programmatic Updates and Announcements** – Catherine Lanier, *OSGC Associate Director*
- **Affiliate Associate Director Election Results** – Shirley Campbell, *OSGC Program Manager*
- **OreSat Update** – Andrew Greenberg, *PSU*
- **Open Sharing**



Recognition



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Tribute to Dr. Nancy Squires



David Blunck — Associate Professor, Mechanical Engineering, OSU





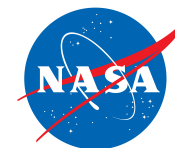
NASA Funding Update



- NASA HQ Updates
- 2020-24 New Award Funding Status
- Augmentation Proposal
- Evaluation Proposal
- Expenditure Summary and Student Data Tables



OSGC Update



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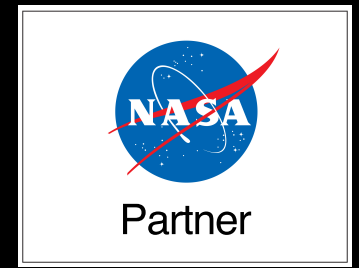
FY2019 Space Grant Performance Data Expenditure Summary

Oregon Space Grant Consortium								
Summary of FY19 Expenditure by Project Category								
	Fellowship	Research Infrastructure	Higher Education	Precollege	Informal Education	*Consortium Admin Costs	Indirect Costs	Total
NASA Space Grant	\$ 156,660	\$ 113,844	\$ 124,818	\$ 21,600	\$ 2,014	\$ 111,943	\$ 39,121	\$570,000
Lead Institution	\$ -	\$ 124,851	\$ 159,974	\$ -	\$ -	\$ 76,489	\$ 26,771	\$388,085
Academic Affiliates	\$ -	\$ -	\$ 106,767	\$ 21,600	\$ -	\$ 30,676	\$ 10,737	\$169,780
State/Local Government	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Non-Profit	\$ -	\$ -	\$ -	\$ -	\$ 3,666	\$ -	\$ -	\$3,666
Industry	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
Other non-federal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
	Fellowship	Research Infrastructure	Higher Education	Precollege	Informal Education	*Consortium Admin Costs	Indirect Costs	Total
TOTAL:	\$156,660	\$238,695	\$391,559	\$43,200	\$5,680	\$219,108	\$76,629	\$1,131,531

* Consortium management and/or administration that is not attributable to a specific project(s).



OSGC Update



2019 Results

- Direct Student Participants - 146
 - 40.3% Female
 - 18.1% Underrepresented Minorities in STEM
- Includes:
 - Fellowship/Scholarship recipients
 - Interns
 - UG Team Experience Awards



OSGC Update



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TABLE A.1. All Direct Student Participant Demographics				Oregon Space Grant Consortium		
<i>FY2019 Student Participant Summary</i>	Number of Students	Number of Female Students	Number of Male Students	Number of Underrepresented Minority Students	Number of Undergraduate Students	Number of Graduate Students (Masters and PhD)
Internship/ Fellowship/ Scholarship	52	25	25	12	50	2
Higher Education	92	32	60	14	91	1
Research Infrastructure	2	1	1	0	2	0
<i>Total Students</i>	146	58	86	26	143	3
<i>Calculates Automatically Total Direct Participants</i>	<i>Total for both columns = Total Direct Participants</i>			<i>Subset of Total Direct Participants</i>	<i>Total for both columns = Total Direct Participants</i>	

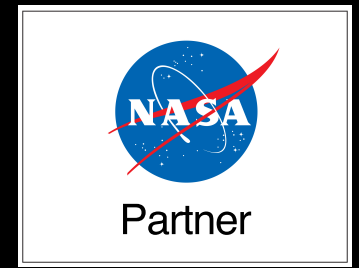
Summary Data (Calculates Automatically)	Total Total Direct Participants	Percentage of Female Student Participants	Percentage of Male Student Participants	Percentage of Underrepresented Minority Student Participants
	146	40.3%	59.7%	18.1%

<i>FY2019 Student Participant Gender (Unknown/Unreported)</i>	Participants for whom gender are not known/reported	<p>Instruction: Enter the Total Number of Students in the Yellow Column for the Internship/Fellowship/Scholarship, Higher Education and Research Infrastructure rows. For each row, enter the number of female and male students (if the number of male plus female students does not equal the number in the yellow column for the corresponding row, the fields will show as red; the delta will need to be entered in the grey table of unknown/unreported to account for all students).</p> <p>For each row, enter the number of underrepresented minority students as a subset of the number in the yellow column for the row (if the number of underrepresented minority students is greater than the number in the yellow column for the row, the field will show as red).</p> <p>For each row, enter the number of Undergraduate and Graduate Students (if the number of Undergraduate plus Graduate students does not equal the number in the yellow column for the corresponding row, the fields will show as red).</p>
Internship/Fellowship/Scholarship	2	
Higher Education	0	
Research Infrastructure	0	
Total Unknown (A Subset of Total Direct Student Participants)	2	
Note: Large numbers in this table will be cause for concern.		

****The data in the above table should be inclusive of ALL DIRECT STUDENT PARTICIPANTS (funded and unfunded) in the Fellowship/Scholarship, Higher Education and Research Infrastructure programs, consortium-wide.**



OSGC Update



2019 Results

- Direct Funded Students - 54
 - 50% Female
 - 23.1% Underrepresented Minorities in STEM
- Includes:
 - Fellowship/Scholarship recipients
 - Interns
 - Students involved with OSGC-supported faculty research



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TABLE A.2. ALL DIRECT Funded Students (Subset of Direct Participants in A.1)

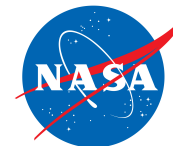
FY2019 Student Award Summary					Oregon Space Grant Consortium	
	Number of Students	Number of Awards to Female Students	Number of Awards to Male Students	Number of Awards to Underrepresented Minority Students	Number of Undergraduate Awards	Number of Graduate Awards (Masters and PhD)
Internship/ Fellowship/ Scholarship	52	25	25	12	50	2
Higher Education	0	0	0	0	0	0
Research Infrastructure	2	1	1	0	2	0
Total Awards	54	26	26	12	52	2
Calculates Automatically Total Funded Students	Total for both columns = Total Funded Students		Subset of Total Funded Students		Total for both columns = Total Funded Students	

Summary Data (Calculates Automatically)	Total Number of Awards	Percentage of Awards to Female Students	Percentage of Awards to Male Students	Percentage of Awards to Underrepresented Minority Students
	54	50.0%	50.0%	23.1%

****The data in the above table should be inclusive of ALL MONETARY STUDENT AWARDS (regardless of amount) in the Internship/Fellowship/Scholarship, Higher Education and Research Infrastructure programs, consortium-wide.**



OSGC Update



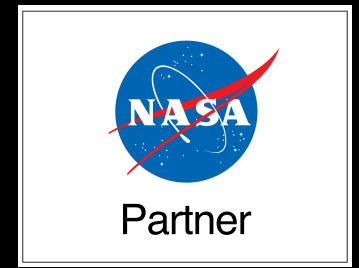
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TABLE A.3. ALL DIRECT FUNDED STUDENTS BY INSTITUTION

Oregon Space Grant Consortium		
FY2019 Student Awards by Institution	Number of Students Funded	Minority Serving Institution
Example: XYZ MSI Institution	X	X
Lead Institution - Oregon State University	17	
Eastern Oregon University	1	
George Fox University	1	
Lane Community College	1	X
Linn-Benton Community College	8	
Oregon Coast Community College	1	
Pacific University	2	X
Portland Community College	10	X
Portland State University	3	X
Southwestern Oregon Community College	3	
University of Oregon	4	
University of Portland	2	
Western Oregon University	1	
Total Student Awards (This number MUST be equal to the TOTAL NUMBER of AWARDS in A.2)	54	



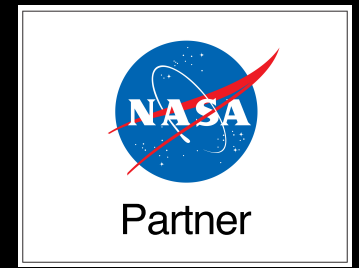
COVID-19 Impacts



- SCORE Symposium – Cancelled
- Student Symposium – Virtual format
- NASA Internships – Virtual only, added Oregon virtual summer internship opportunities
- STARR – Adapted to virtual research review program; no hands-on research
- Public outreach programs cancelled until in-person venues are open
- Reallocate funding from programs impacted by COVID-19



Program Updates

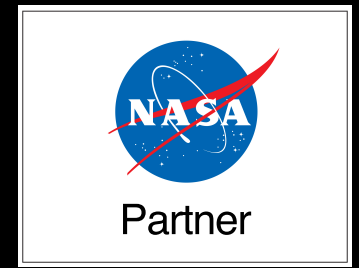


Affiliate Faculty Research Incubator Program **(AFRIP)**

- Designed to recruit additional faculty
- Provide basic resources to develop authentic hands-on STEM experiences
- Support the efforts of NASA Mission Directorates
- Awards up to \$15K
- Proposals due last day of each month



Program Updates



Faculty Research Award Program

- Designed to support established researchers
- Support the efforts of NASA Mission Directorates
- Awards range from \$50K to \$150K, 1:1 match requirement
- Release date: September 30, 2020
- Due Date: October 31, 2020



Program Updates

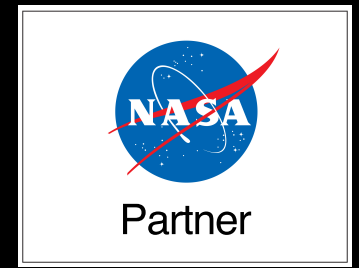


2020-21 STudent Academic Research Review (STARR) Award Program

- CC - 5 awards @ \$3K each
- 4-Year - 14 awards @ \$5K each
- Total funding \$85K
- Students working with a faculty advisor to review a research topic relating to NASA's top priorities and missions



Program Updates



Opening soon | Mid/late October due date:

- SCORE Program
- Undergraduate Team Experience Award Program

Applications due tomorrow, Friday 9/11:

- Graduate Fellowship Program
\$10K/student | Award up to 2 Fellowships



Program Updates



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2020 INTERNSHIPS

NASA Spring In-person Internships - 5

Langley, Marshall, Glenn, JSC – *OSU, UO* | \$58,400

NASA Summer Virtual Internships – 7 and 3 extended offers

Ames, Glenn, Goddard, Langley, Marshall – *OIT, OSU, PSU* | \$61,320

Oregon Summer Virtual Internships - 12

OIT, OSU, PSU, UO | \$87,600

Total funds: \$207,320

All interns will participate in the 2020 Student Symposium



Announcements



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2020 Virtual Student Symposium

Friday, November 13, 2020





Oregon Moon Country



- Oregon Experience public broadcasting show
- Oregon's roll in training Apollo Astronauts
- Oregon's Roll in Artemis Mission





Announcements



OSGC 2020 Logo Contest



- **Opening SOON**
- **Open to students enrolled at OSGC member institutions**
- **\$250 cash prize!**



Election Outcome



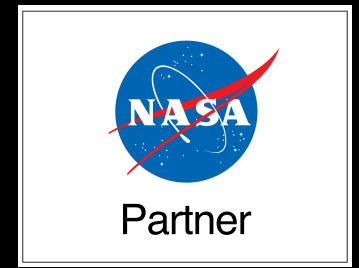
Affiliate Associate Director



2-year term starting November 1, 2020



Affiliate Update



OreSat: Oregon's First CubeSat Project Update

Andrew Greenberg

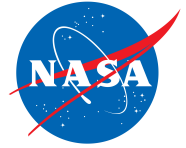
Portland State Aerospace Society (PSAS)
Portland State University







Closing Remarks



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STAY SAFE!!