

# Best Student Presentation Award Winners

- Neutrons** Nina Andrejevic, **Massachusetts Institute of Technology**  
*Elucidating proximity coupling through polarized neutron reflectometry and machine learning*
- Nanoscience** Kellen Arnold, **Vanderbilt University**  
*Design and Analysis of Photonic Crystals with Split Ring Unit Cells*
- Neutrons** Bogdan Dryzhakov, **University of Tennessee**  
*Optically Induced Static Magnetization in Metal Halide Perovskite for Spin-Related Optoelectronics*
- Neutrons** Sajna Hameed, **University of Minnesota**  
*Ferroelectric quantum criticality and enhanced superconductivity in plastically deformed strontium titanate*
- Neutrons** Alexandra Koegel, **Colorado State University**  
*Correlating Structural Dynamics and Broadband Emission in Hybrid Layered Perovskites*
- Nanoscience** Nicole Moehring, **Vanderbilt University**  
*Scalable Tuning of Single Layer Graphene for Size Selective Ionic Transport*
- Nanoscience** Georgios Papoutsidakis, **University College Dublin**  
*Towards Continuous Characterization of Complex Liquids - from Bulk to Interface*
- Nanoscience** Michael Spencer, **NC State University**  
*Influence of Confined Interlayer Molecules on the Electrochemical Reactivity of Bulk Layered Transition Metal Oxides*

# Outstanding CNMS Staff Member Award

**Intention:** show appreciation from users for the expertise and assistance of CNMS Staff

## Judging process:

- **Achievement and Performance:** important and significant research contributions; strong commitment to CNMS's mission and core values
- **User Service and Interactions:** positive, effective, and respectful work with others, foster collaboration with CNMS user community
- **Support and Initiative:** initiative to enhance processes/systems; expands responsibilities and improves quality of CNMS's operation

A subcommittee of the CNMS UEC judged nominees.

# Outstanding CNMS Staff Member Award

## Congratulations!!



**Jonathan Poplawsky**

Jon has been very helpful with performing the atom probe tomography (APT) experiments. He explained the theories of APT and how to analyze the datasets very carefully...

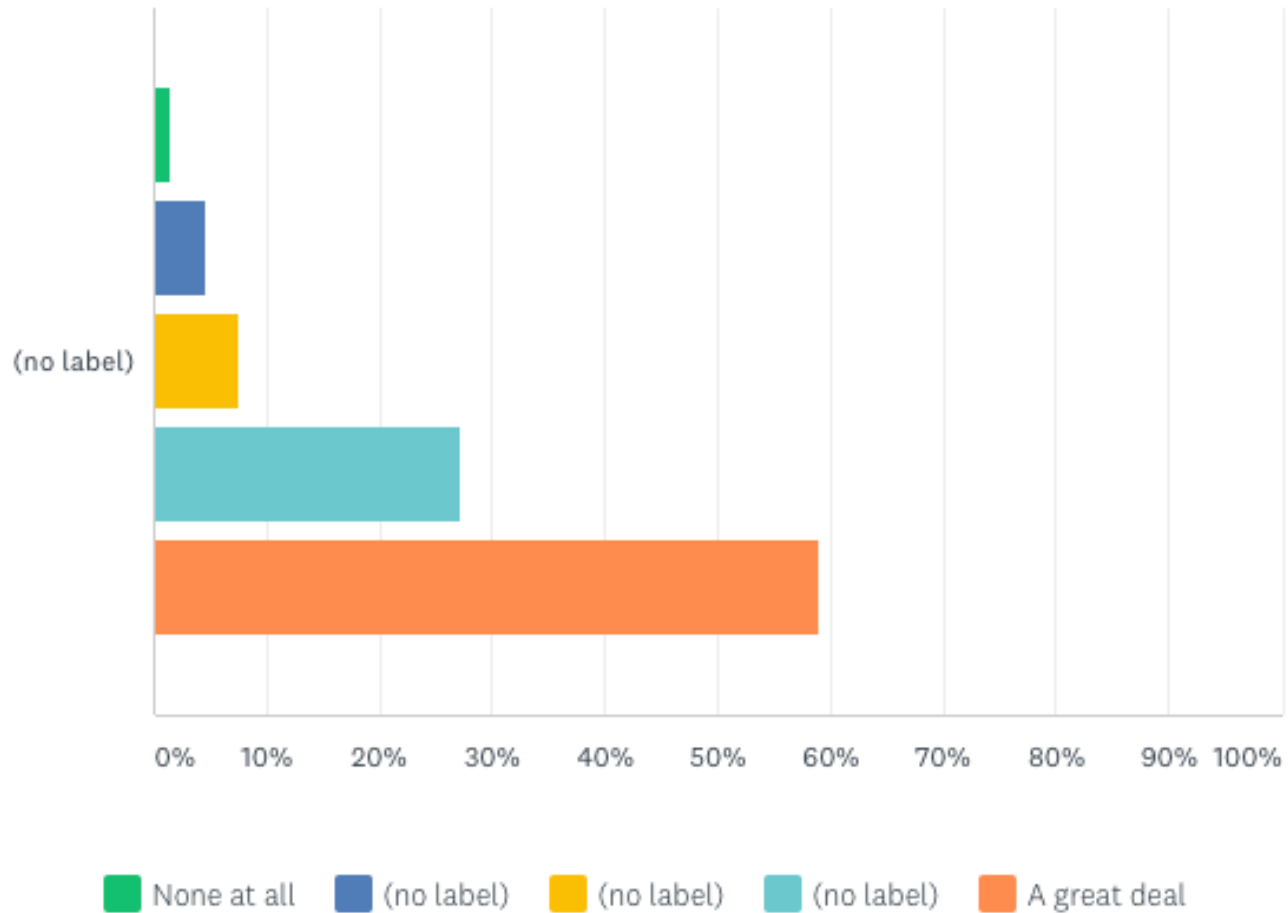
...very knowledgeable and extremely helpful and courteous...

...(i) guided us immensely on how to best make the APT samples (ii) ran our APT experiments and (iii) he is continuing to provide support for a proper analysis of the data. Jon's scientific support is instrumental to the success of our experiments....

...provided exceptional effort in support for our research. While the CNMS User system has greatly advanced our research by granting us access to the ORNL atom probe tomography (APT) system that Jonathan maintains, it is Jonathan's tireless dedication and devotion to the goals of our project that has yielded such important insights...

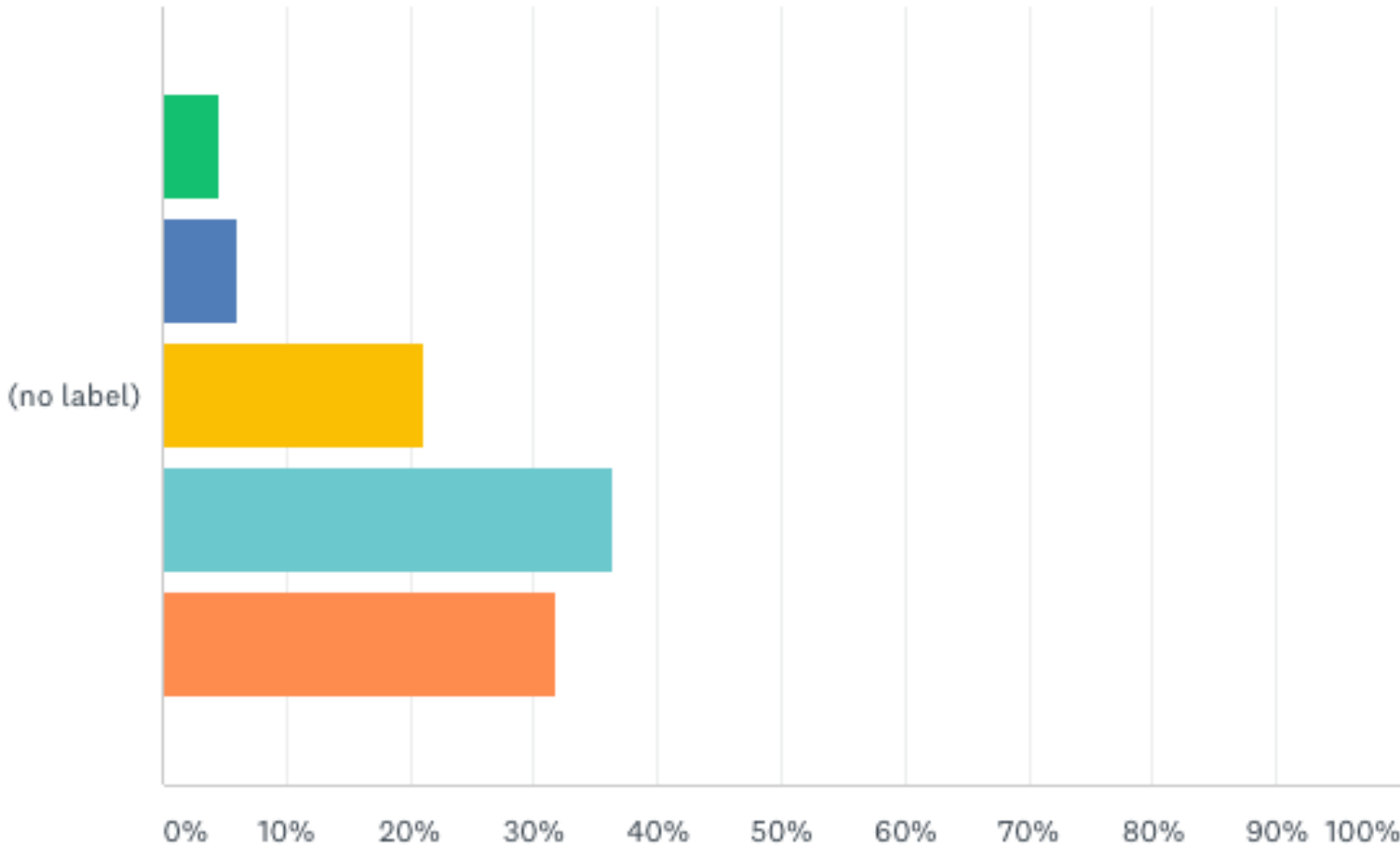
# How much does the CNMS facilitate the productivity of your research activities?

Answered: 66 Skipped: 0



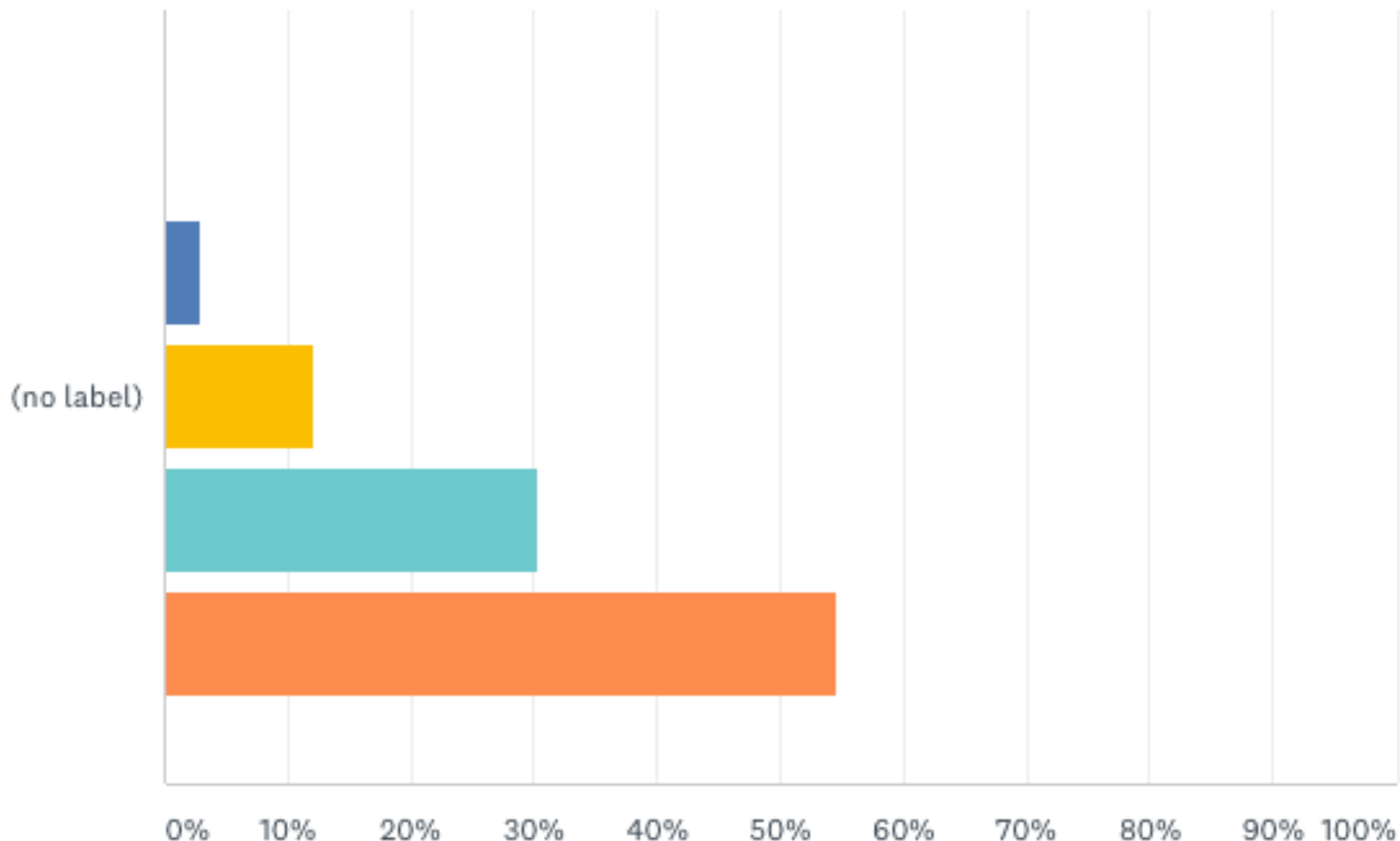
# How difficult do you find it to submit and be awarded User proposals?

Answered: 66 Skipped: 0



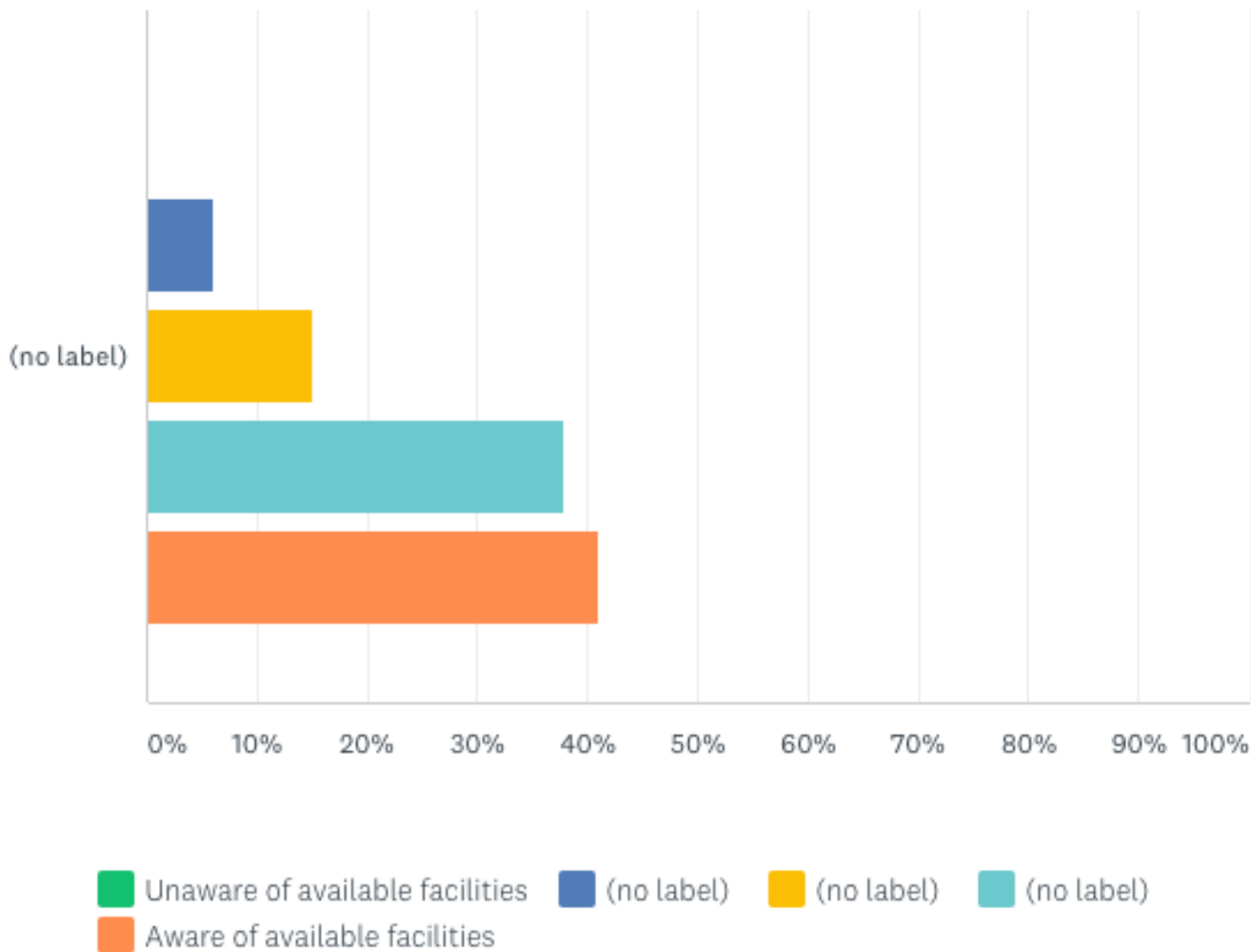
# How easy do you find the proposal submission process?

Answered: 66 Skipped: 0



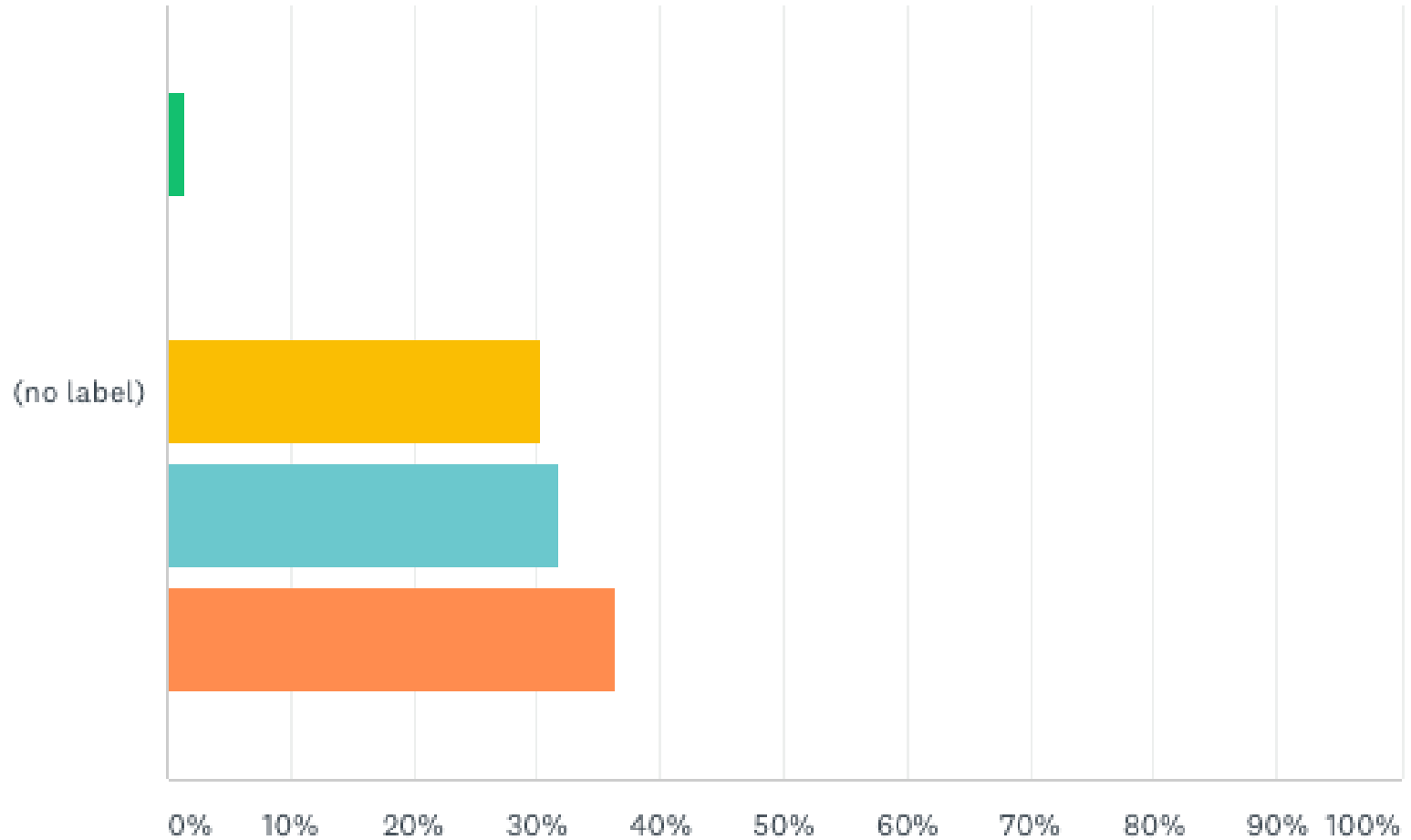
# Do you feel well versed in the facilities available at CNMS?

Answered: 66 Skipped: 0



# Do you find it easy to build new collaborations with CNMS staff?

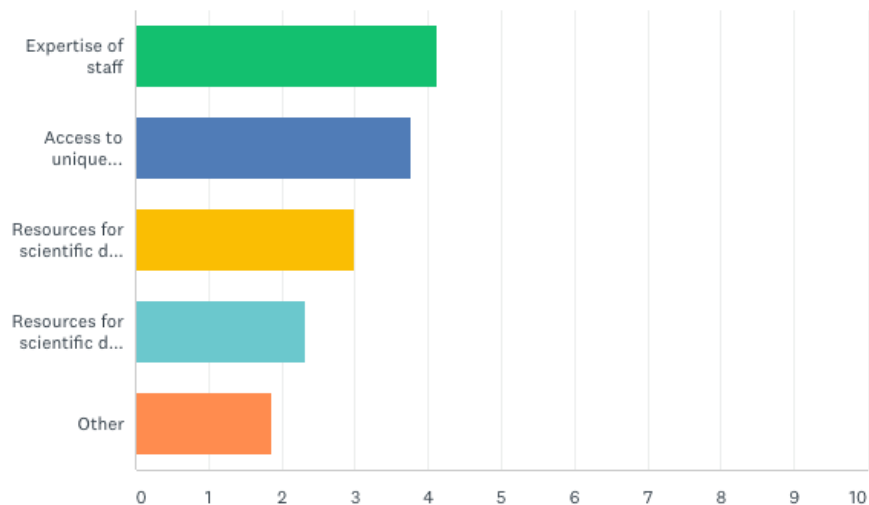
Answered: 66 Skipped: 0





# What resources do you find most valuable as a CNMS user? Rank in order of most important to least important.

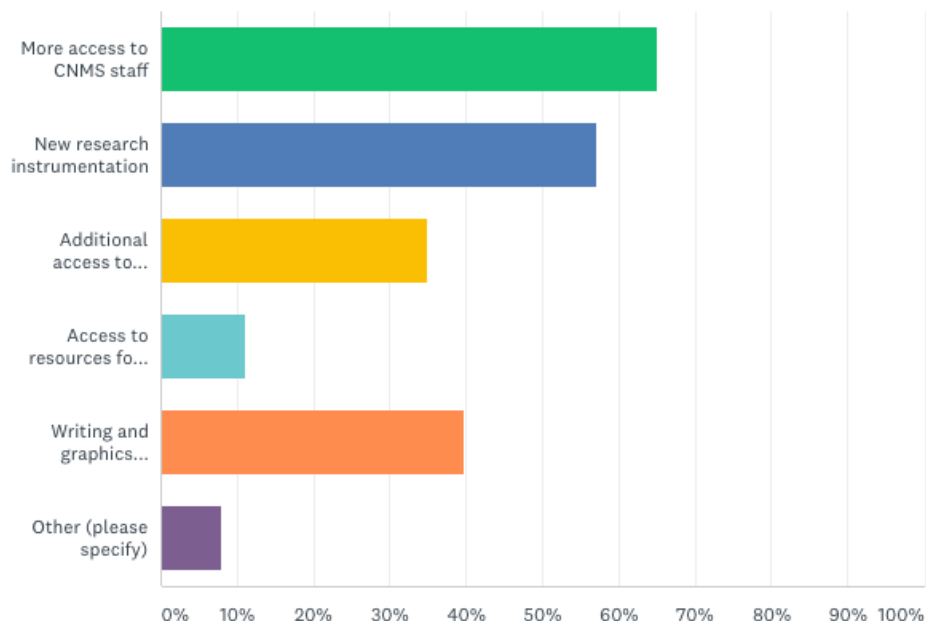
Answered: 65 Skipped: 1



	1	2	3	4	5	TOTAL	SCORE
Expertise of staff	45.00% 27	38.33% 23	3.33% 2	10.00% 6	3.33% 2	60	4.12
Access to unique scientific instrumentation	35.00% 21	40.00% 24	6.67% 4	3.33% 2	15.00% 9	60	3.77
Resources for scientific data analysis	5.17% 3	8.62% 5	70.69% 41	12.07% 7	3.45% 2	58	3.00
Resources for scientific data management	5.00% 3	8.33% 5	11.67% 7	63.33% 38	11.67% 7	60	2.32
Other	9.68% 3	3.23% 1	12.90% 4	12.90% 4	61.29% 19	31	1.87

# What additional resources would enable your research at CNMS to be more productive?

Answered: 63 Skipped: 3



ANSWER CHOICES	RESPONSES	
More access to CNMS staff	65.08%	41
New research instrumentation	57.14%	36
Additional access to scientific data analysis resources and expertise	34.92%	22
Access to resources for scientific data management	11.11%	7
Writing and graphics support for scientific publications affiliated with CNMS	39.68%	25
Other (please specify)	Responses	7.94% 5
<b>Total Respondents: 63</b>		