

Division of Mathematical Sciences (DMS)

Virtual Office Hour

Date: June 25, 2021

Welcome to the DMS Virtual Office Hour. We will begin soon.

Please submit questions via the Q&A box
available to you on Zoom.



Division of Mathematical Sciences (DMS)

Welcome to our Virtual Office Hours!

Program Directors in attendance today

- Juan C. Meza (Division Director)
- Edsel Pena, Gabor Szekely, Judy Huixia Wang, Yong Zeng (Statistics)
- Marian Bocea, Constanze Liaw, Christian Rosendal, Cesar Silva (Analysis)
- Stefaan De Winter, Zhilan Feng, Tiziana Giorgi, Cesar Silva, Sandra Spiroff (REU Sites)
- Moderators: Constanze Liaw, Michelle Manes, Malgorzata Peszynska, Christopher Stark

Subscribe to DMSNEWS:

Send email to listserv@listserv.nsf.gov

In the body of the message, put the following command:
subscribe dmsnews [your name]

Suggest a topic for future VOH:

Send email to dms-voh@nsf.gov



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Questions during VOH:

- Submit your questions via the Q&A box
 - Questions can be submitted anonymously.
 - We will focus on questions of interest to a wide audience.
 - For specific questions about a particular project, contact a cognizant Program Officer.
- For recently asked questions/copy of slides, see <https://www.nsf.gov/mps/dms/presentations.jsp>
- Next DMS Virtual Office Hour: Thursday, July 22, 2-3 pm EDT
 - Topics include: Combinatorics, Mathematical Biology, Focused Research Groups.
 - Questions can be submitted in advance on the registration form.



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Virtual Office Hour Topics today:

- Update from the Division Director.
- Statistics.
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5556&org=DMS&from=home
- Analysis.
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5434&org=DMS&from=home
- Research Experiences for Undergraduates (REU Sites).
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&org=DMS&from=home
- Q&A



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Opportunities and upcoming deadlines:

- Funding opportunities

<https://www.nsf.gov/funding/programs.jsp?org=DMS>

- Upcoming deadlines link

https://www.nsf.gov/funding/pgm_list.jsp?ord=date&org=NSF&sel_org=DMS&status=1

- Upcoming due dates

- CAREER Proposal deadline: July 26, 2021
- Research Experiences for Undergraduates (REU) deadline: August 25, 2021
- Mathematical Biology submission window: August 20 - September 6, 2021
- Focused Research Groups in the Mathematical Sciences deadline: September 8, 2021
- Analysis submission window: September 16-30, 2021



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Update – June 25, 2021

- General Update



Statistics Program General Information

- **Website:**

- https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5556

- **Program Officers for DMS:**

Gabor Szekely gszekely@nsf.gov

Edsel A. Pena epena@nsf.gov

Huixia Judy Wang huiwang@nsf.gov

Yong Zeng yzeng@nsf.gov

Nandini Kannan nakannan@nsf.gov (on leave)

- **Submission Deadline:** December 15, 2021 (**PD 18-1269**)

- **Submission Window:** December 1, 2021 - December 15, 2021



Statistics Program Overview

- **The Program supports** research in statistical theory and methods, including research in statistical methods for applications to any domain of science and engineering.
- **The Program has a vested interest in**
 - the [CAREER program](#) (Due date: July 26, 2021)
 - [FRGMS program](#) and [RTG program](#)
 - [Conferences and Workshops](#)
- **List Statistics as a secondary program**



Statistics Program Related Programs and at JSM

- **Related Programs:**

- [Algorithms for Threat Detection](#) (ATD)
- [Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences](#) (DMS/NIGMS)
- [Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences](#) (CDS&E-MSS)

- **Virtual Expo at JSM 2021** (August 8-12, 2021)

- Opportunities for 1-1 Video chat with a program officer



Analysis Program Overview

- **Website:** https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5434
- **Program Officers (FY 2021):**
 - Marian Bocea (mbocea@nsf.gov)
 - Constanze Liaw (cliaw@nsf.gov)
 - Christian Rosendal (crosend@nsf.gov)
 - Cesar Silva (csilva@nsf.gov)
- Proposals handled include regular research proposals ([PD 20-1281](#)), proposals for support of conferences and workshops ([NSF 21-541](#)), CAREER ([NSF 20-525](#)), and FRGMS ([NSF 16-577](#))



Analysis Program Submission Deadlines

- Regular research proposals: apply to [PD 20-1281](#) during this year's full proposal submission window: **September 16, 2021 - September 30, 2021**

Note: Regular research proposals to the Analysis Program submitted outside the full proposal window will be returned without review

- Conference proposals: submit to “Conferences and Workshops in the Mathematical Sciences” program solicitation [NSF 21-541](#) and indicate the Analysis Program on the cover page
 - For an event that has a starting date between March 1, 2022 and September 30, 2022, proposals must be submitted between September 16, 2021 and September 30, 2021
 - For an event that has a starting date between October 1, 2022 and February 28, 2023, proposals must be submitted between May 16, 2022 and May 30, 2022

Note: Conference proposals to the Analysis Program whose submission dates do not conform with these requirements will be returned without review



Research Experiences for Undergraduates (REU) in DMS

Website:

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517

Program Officers for DMS:

Stefaan De Winter (sgdewint@nsf.gov)

Zhilan Feng (zfeng@nsf.gov)

Tiziana Giorgi (tgiorgi@nsf.gov)

Cesar Silva (csilva@nsf.gov)

Sandra Spiroff (sspiroff@nsf.gov)

A directory of active sites:

http://www.nsf.gov/crssprgm/reu/reu_search.cfm

Submission Deadline: August 25, 2021 (for REU Sites, apply to NSF 19-582)



Division of Mathematical Sciences – REU Sites

- Appropriateness and value of the **educational experience**: quality of research project(s), nature of the students' participation.
- **Quality of research environment**: Facilities, research mentor(s), professional development opportunities.
- Appropriateness of **recruitment/selection plans**: students from underrepresented groups, outside the host institution, institutions with limited STEM research opportunities.
- Quality of plans for **student preparation** and for **follow-through**.
- Appropriateness of the **budget**, effectiveness of the plans for **project management** and **evaluation of outcomes**.
- For renewals: **effectiveness of the previous Site**.



REU Sites, REU Supplements, RET

The REU program, through both **Sites** and **Supplements**, aims to provide appropriate and valuable educational experiences for undergraduate students through participation in research.

- **REU Sites:** independent proposals
 - About 8-10 students per year, most recruited from outside the host institution.
 - Total project costs should not exceed \$1,350 per student per week.
- **REU Supplements:** part of a new or ongoing NSF-funded research project
 - One or two students from the host institution.
- **RET Component:** research experiences for K-12 STEM teachers
 - Coordinate with REU projects
 - Contact REU program officer for guidance



Virtual Office Hour: Questions from registration

1. General topic:

- A. I have been unable to travel on an existing NSF grant during COVID. Can it be extended?
- B. Does DMS collaborate in competitions with NIH, especially for neuroscience?
- C. What are success rates like for proposals to DMS?

2. Statistics program:

- A. Can I submit both a CAREER proposal and a regular Statistics proposal?
- B. Can a Statistics proposal focus on data science questions?

3. Analysis program:

- A. Are there programmatic guidelines regarding inclusion of a student or a postdoc in proposals?
- B. What can I do with unspent travel funds on an NSF grant?
- C. How does Analysis review proposals touching other areas, e.g., Probability?

4. REU Sites:

- A. How have existing REU sites dealt with COVID-19?
- B. Are there recent changes to the solicitation or priorities for REU sites?
- C. What letters of collaboration are appropriate for REU sites?



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Virtual Office Hour: Thank you

- For slides and recently asked questions, see <https://www.nsf.gov/mps/dms/presentations.jsp>
- Submit questions/suggestions to DMS-VOH@nsf.gov
- Submit questions through event registration form
- For specific questions about your project, contact a Program Officer
- For future Virtual Office Hour topics, see https://www.nsf.gov/events/index.jsp?org=NSF&event_type=12&orgToSearch=MPS&month=&year=2020
- Next DMS VOH: Thursday, July 22, 2-3 pm EDT
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