



Institute for  
Digital InnovAtion



THE

WEEKLY

Dear Colleagues,

Our next IDIA Connect event is approaching soon. Please register to learn about multi-modal, multi-omic methods and data resources for advancing open science in pediatric cancer and other rare diseases, including the Children's Brain Tumor Network (CBTN), Gabriella Miller Kids First Data Resource Center (Kids First), and the Childhood Cancer Data Initiative (CCDI).

This time we connect you with the [Center for Data Driven Discovery in Biomedicine, Children's Hospital of Philadelphia](#).

RSVP [here](#).

# IDIA CONNECT SERIES

**October 8, 2024 from 10:00AM - 11:30AM**  
**George Mason Fairfax Campus. ENGR 4801**  
**& Zoom**

Join us for our  
**IDIA CONNECT** event,  
where we connect you  
with

**Allison Heath, PhD**

Director of Data Technology and Innovation  
*Center for Data Driven Discovery in Biomedicine*

**RSVP Before October 6th!**  
**<https://bit.ly/47vXbhu>**



Learn more at [idia.gmu.edu](http://idia.gmu.edu)  
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## UPCOMING EVENTS

Annual Flagship HackathoPatriotHacks

# PATRIOT HACKS

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**HORIZON HALL**

**OCTOBER 11-13, 2024**



**36 HOURS OF FUN!**

**REGISTER NOW**

**WIN PRIZES**

**FREE SWAG**

**FREE FOOD**

**NO EXPERIENCE NECESSARY**



**George Mason University is hosting its sixth Hackathon, PatriotHacks!**

Please join us on October 11-13, 2024 at Horizon Hall for three days of collaboration and creativity. A hackathon is an “invention marathon” where anyone interested in technology attends to learn, build, and share their creations over the weekend. Join us in a unique and relaxing environment that will provide FREE FOOD, FUN, and SWAG!

- This event is FREE for all students who register!
- Great resume builder
- Excellent networking opportunities with industry professionals and cutting-edge companies
- Open to students of all disciplines!

To register for PatriotHacks, visit our website at [PatriotHacks.org](https://PatriotHacks.org) and click the register button.

## Annual CBTN summit



OCTOBER 9-11, 2024  
AWS HEADQUARTERS



**The brightest minds in science and technology come together at the 2024 CBTN Summit for a powerful purpose: Uniting minds to unlock cures for childhood brain tumors.** Hear from preeminent scientists, technologists, and researchers as they share advancements across basic, translational, and data sciences and technologies, illustrating advancements in pediatric brain tumor research. Illuminating panel discussions are scheduled, plus attendees can access a range of CBTN technology training and one-on-one demos and assistance.

Join us virtually or in person at no charge at Amazon Web Services headquarters in Arlington, VA, on October 9th and 10th.

Learn more and register [here](#).

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# VARIOUS OPPORTUNITIES

## Mason I-Corps: Taking Research to Market



**CORPS**  
NSF Innovation Corps



### MASON I-CORPS: TAKING RESEARCH TO MARKET OCTOBER 2, 2024, 12:00 PM - 1:00 PM VIRTUAL

#### ABOUT INFO SESSION

Join us to learn about Mason's NSF I-Corps Program! This program teaches an evidence-based approach to research solution evaluation.

- Is the solution desirable?
- Who is the ideal audience?
- Where do you even start?

The I-Corps program is here to help answer these questions.

#### ABOUT THE PRESENTERS



Todd Morrill, the Mason I-Corps Lead Instructor, is a Faculty Director at the Bay Area I-Corps Node at the University of California, Berkeley. With extensive experience as a National Instructor for the NSF I-Corps, he has taught and coached over 500 teams. In his presentation, he will provide an overview of the I-Corps program.



Fatah Kashanchi (PhD), is an esteemed professor in Virology and Director of the Laboratory of Molecular Virology at the George Mason University. He will share how participating in the I-Corps Regional Program enhanced his partnerships and improved his research solutions.



Radhika Barua (PhD) is an Assistant Professor in the Department of Mechanical and Nuclear Engineering at the Virginia Commonwealth University. In her presentation, she will highlight how participating in the I-Corps Regional program helped her to secure funding and establish partnership with a corporate partner.

#### WHAT WE WILL COVER

- What is NSF I-Corps program
- Benefits of the I-Corps program to you as a Faculty, Researcher, Student or Staff
- Funding opportunities that will open up after participating in the I-Corps program
- Success stories of how participating in I-Corps has resulted in significant impact in research commercialization

#### WHO CAN ATTEND?

Faculty, Researchers, Postdocs, Students and Staff from any institutions of higher learning in the Commonwealth of Virginia.

#### REGISTRATION

Register for the Info session by clicking on the link or scanning the QR code below:

<https://gmu.zoom.us/meeting/register/tJYpdO6hqTsvHdD72hApJ6Jrm05l1fPBPLRa#/registration>



[Register Now](#)

For any additional information contact:

- Sampson Addo, Mason I-Corps Hub Program Manager at [saddo2@gmu.edu](mailto:saddo2@gmu.edu)
- Gisele Stolz, Mason's I-Corps Director, Senior Director, Entrepreneurship Programs, Office of Research, Innovation, and Economic Impact at [gstolz2@gmu.edu](mailto:gstolz2@gmu.edu)

# Faculty Grant Writing Support

Participating faculty must be eligible to serve as [Mason Principal Investigators](#) on a sponsored research project

## Proposal Editing



Feedback on nearly final or previously reviewed application in terms of proposal solicitation requirements. Provide application by October 10 for feedback by December 16

Sign up [here](#) or use QR code

## Strategic RFP Analysis



Assessment of fit of your next proposal with your desired RFPs. You provide a previous unfunded proposal or your published work on which your proposal would be based. Provide by October 10, feedback by December 16.

Sign up [here](#) or use QR code

### Space is Limited

College of Humanities and Social Sciences and Office of Research Development

**All application materials will remain confidential**

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## AWARDS

Congratulations to:

**Sun, Ziheng** from the [College of Science](#) and Co-PI **Liu, Mingru; Zhou Keren** for receiving the National Science Foundation grant on *Collaborative Research: CAIG: Pushing Boundaries: AI Exploration for Snow Water Equivalent Forecasting in the Western U.S. with Physics-Informed Neural Network and GeoWeaver*

## FUNDING OPPORTUNITIES

[National Science Foundation - Dear Colleague Letter: Planning Grants to Create Artificial Intelligence \(AI\)-Ready Test Beds](#)

Deadline: **November 13, 2024**

[National Science Foundation - Artificial Intelligence, Formal Methods, and Mathematical Reasoning](#)

Deadline: **February 05, 2025**

[European Commission - Climate, Energy and Mobility -- BIM-Based Processes and Digital Twins for Facilitating and Optimising Circular Energy Renovation](#)

Deadline: **January 21, 2025**

\*\*\*If a funding opportunity limits the number of applications the university can submit, it will be posted and managed through the Research Development Services office. Please contact [limited@gmu.edu](mailto:limited@gmu.edu) or Sheila Davis [sdavis46@gmu.edu](mailto:sdavis46@gmu.edu) if you have questions or are unsure if the opportunity is a limited submission opportunity.

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## IDIA AFFILIATION

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Did you know that, as an IDIA faculty affiliate, you are eligible to:

Compete for [internally funded IDIA projects](#)

Receive support for [IDIA-relevant events](#)

Become part of the [dynamic multidisciplinary faculty network](#) focused on digital techniques and technologies to advance fields as diverse as finance, education, built infrastructure, science, economics, agriculture, health, transportation, entertainment, national security, and social justice.

There is no financial burden to you or your departments for affiliation with the institute. Participation in IDIA does not prevent its members from being associated with other university centers. If you are not already affiliated, we encourage you to submit your profile [here](#).

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### SHARE WITH US

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We are eager to hear from you! As we work with your colleges to compile updates on digital innovation-related research activities at Mason, we would love to hear about your research activities, awards, and recent publications. Please share any successes, concerns, or ideas with us at [\*\*idiaz@gmu.edu\*\*](mailto:idiaz@gmu.edu)



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