


The logo for QED-C, featuring the text "QED·C" in a bold, white, sans-serif font. The dot between "QED" and "C" is a small cluster of red and white dots. The background of the logo area is dark with a pattern of white and red dots and lines, suggesting a quantum or network theme.

**QED·C**

A vertical pink bar on the left side of the text box.

# Quantum Economic Development Consortium (QED-C) Internship Initiative

November 2021

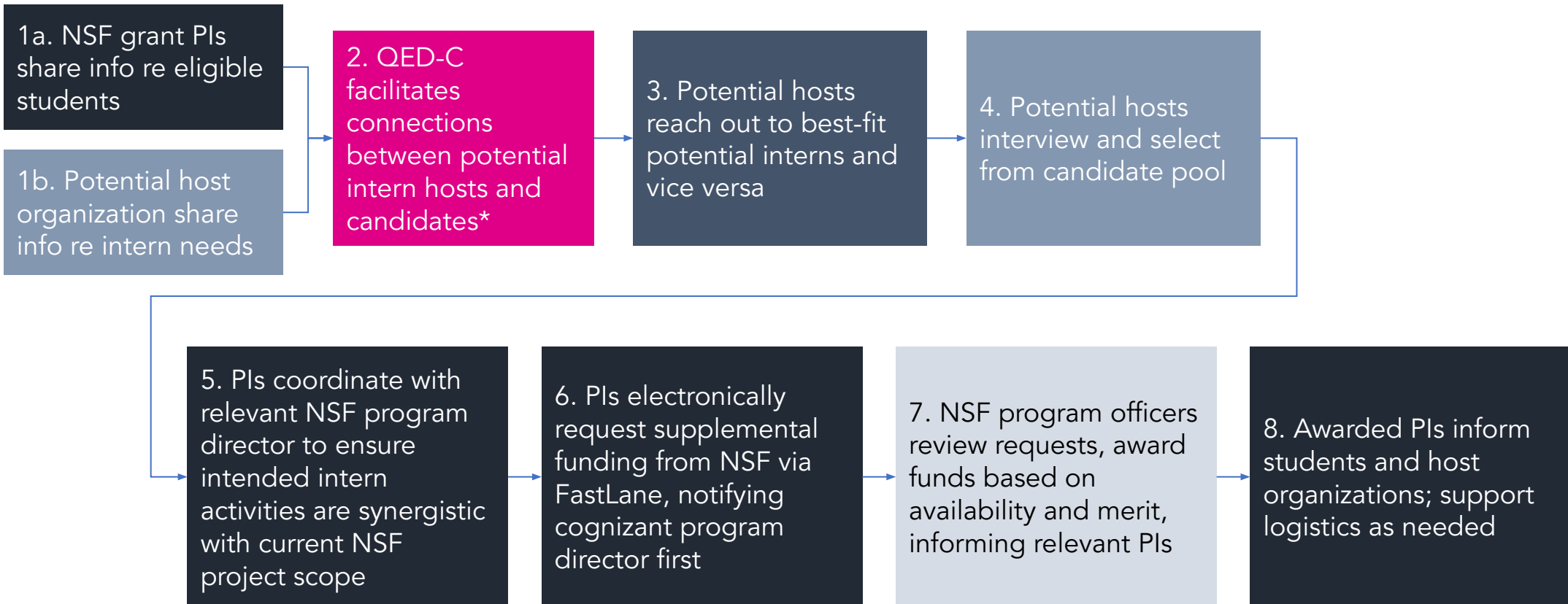
# Agenda

Topic	Presenter
NSF INTERN Program	Prakash Balan, NSF (10 min) Krystal Bouverot, QED-C (10 min)
Benefits of internships	Robert Eades, IBM (5 min)
Host organization perspective	Gene Kuntz, Montana Instruments (5 min) Sarah Schupp, ColdQuanta (5 min)
Intern perspective	Richard Toohey, former intern at Wells Fargo (5 min) Peter Mitchell, former intern at ColdQuanta (5 min)
Q&A (15 min)	

# QED-C intern initiative: overview

- Builds on [NSF INTERN](#) program, through which NSF provides supplements to existing grants to support graduate students for research internships in a non-academic setting (at companies, national laboratories, non-profits, etc.)
- Graduate student requirements & details
  - Supported by active NSF grant at time of application
  - Completed  $\geq 1$  academic year in a graduate program
  - Up to \$55,000\* per student for up to six-month period; up to two internships per student
    - Funding may support travel, tuition and fees, health insurance, additional stipend and temporary relocation costs; see DCL for more details
  - Identify, with PI, innovative experiences that add educational value through internship activities not available at academic institution
- Host organization requirements & details
  - Agree with university on IP rights
  - Internship research should relate to NSF-funded project
  - Internship is on-site, except in extenuating circumstances

# QED-C intern initiative: process



*See next slide for details*

[\\*Link to host/student database](#)

# Supplemental funding requests

Include INTERN [Dear Colleague Letter \(DCL\)](#) title and DCL number in summary section of proposal and provide:

- 2-page summary describing internship, including concise statement from grad student as to how the activity will better prepare him/her to enter the workforce
- Resume of grad student (up to 2 pages)
- Letter of collaboration from authorized official at host organization describing the internship and the mentoring provided to the student
- Letter from PI confirming student eligibility
  - Describe how proposed internship will contribute to student's graduate education experience and how it may impact time to degree
  - Describe activities that are synergistic with scope of PI's NSF Grant to be supplemented
- Signed agreement on IP (including publication and patent rights) between NSF awardee and host organization
- Budget and clear justification for all requested budget costs (not to exceed \$55,000 per student per six-month period)

# FAQs (1/3)

- Does the student need to be a US citizen/permanent student or do international students on a student visa qualify for the program as well?  
*A: There are no citizenship requirements per NSF; however, host organizations may have policy restrictions*
- Is there a housing/travel stipend?  
*A: Supplemental funds may be used to support travel, tuition and fees, health insurance, materials and supplies, additional stipend, and temporary relocation costs for the graduate student. Refer to the DCL and talk to your PI for more information*
- My student just graduated or will graduate prior to the internship – is (s)he still eligible?  
*A: The student needs to be enrolled at the institution that receives the INTERN award throughout the period of performance of the proposed activity*
- What is the deadline for application?  
*A: Supplemental funding requests may be submitted at any time with a target date of April 15th for each Fiscal Year*

# FAQs (2/3)

- Which Directorate is the NSF INTERN program targeting?

A: There are no limitations or special conditions for ENG, BIO, GEO, and SBE Directorates. See the [NSF INTERN Dear Colleague Letter](#) for special conditions for CISE, MPS, and OIA Directorates and for GRFP

- I am a Graduate Research Fellowship Program "Fellow." Who should I contact at NSF?

A: Please email [GRFPINTERN@nsf.gov](mailto:GRFPINTERN@nsf.gov) with your request for further information

- "Students must be supported by an active NSF grant at the time of application" - So this means they are currently on the budget of ongoing NSF-funded research at their university? If so, isn't it likely that the student will need to continue working on that project over the summer?

A: Indeed, this internship would ideally complement the research the student is currently doing, offering a real-world application for it to enhance their learning

# FAQs (3/3)

- Are there any specific certifications or requirements that my company needs to fulfill in order to attain funding and host the intern?  
*A: Host organizations need to provide info requested in DCL to NSF PI for inclusion in proposal to NSF. If needed, NSF may ask for further input*
- How many supplements will be awarded?  
*A: ~260 supplements each fiscal year, given available funds*
- What is QED-C's role in this process?  
*A: Sharing information and connecting intern candidates with prospective host organizations*



# References

- NSF INTERN Dear Colleague Letter (DCL):  
<https://www.nsf.gov/pubs/2021/nsf21013/nsf21013.jsp>
- Database for prospective student interns and host organizations:  
[https://docs.google.com/spreadsheets/d/17c11RekY\\_honuZ-P5n945gKQd1mSq9i0oIGSRjcnelw/edit?usp=sharing](https://docs.google.com/spreadsheets/d/17c11RekY_honuZ-P5n945gKQd1mSq9i0oIGSRjcnelw/edit?usp=sharing)
- Example IP agreement between university and host organization  
(NOTE: NSF does not structure this; it is up to the NSF grantee institution and the host organization to develop what is mutually acceptable):  
<https://docs.google.com/document/d/14Z91Hw2jinibHAWChCDiBU-n9BnvetmetQ3TbhIFdKE/edit?usp=sharing>
- This presentation:  
[https://docs.google.com/presentation/d/1jyBL\\_WZtYRuttfCl9ZVhyxGalzqCz3WN/edit?usp=sharing&oid=109570596070106936878&rtpof=true&sd=true](https://docs.google.com/presentation/d/1jyBL_WZtYRuttfCl9ZVhyxGalzqCz3WN/edit?usp=sharing&oid=109570596070106936878&rtpof=true&sd=true)

# THANK YOU

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