

UC San Diego

**Training Grant Community of Practice
Informational Meeting: NIH T32 Proposals
March 11, 2021 | 1:00 to 2:00 p.m.**

Office of Research Affairs + The Graduate Division + Health Sciences Research Service Core

Note: this session will be recorded



AGENDA

- **Program Spotlight:** Essentials of Entrepreneurship & Innovation, Office of Innovation & Commercialization (OIC)
- **Faculty Panel:** Preparing Your Training Grant Proposal for Review
- **Institutional Resources:** Institutional Support Letter, Website Resource Lists, Workshops/Trainings, etc.

Spotlight on a UC San Diego Program: Essentials of Entrepreneurship & Innovation

Paul Roben, Associate Vice Chancellor for Innovation & Commercialization

Preparing your Training Grant for Review

Elizabeth Komives, Professor of Chemistry and Biochemistry

Andrew McCulloch, Professor of Bioengineering and Medicine, Director of Institute for Engineering in Medicine

Pamela Mellon, Professor and Vice-Chair for Research in Obstetrics, Gynecology, and Reproductive Sciences

How to plan and write a T32 Application

1. Gather data and prepare tables. You will need these to write the program plan.
2. Prepare your Logic model that maps your trainee outcomes to the training activities and to the assessments you will implement
3. Plan the activities including those for training in Rigor and Reproducibility
4. Follow the “outline” in the FOA as you write the program plan. Organize it around the program objectives and proposed trainee outcomes.
5. The following slides summarize key new requirements that are usually the reason new proposals do poorly.

Mentor training and Mentor demographics

Mentors need to be diverse in terms of background (underrepresented groups, women...) and career stage.

Program Directors and all mentors must have good funding and appropriate Postdoc and/or PhD training experience.

Mentors **MUST** have received Certified Mentor Training – offered by Center for Improvement of Mentored Experience (CIMER) this training must be in person by a certified trainer.

Health Sciences Faculty Affairs offers a complete program called the FMTP, Faculty Mentor Training Program.

There is a plan for campus-wide coordination, but not in place yet.

Evaluation/assessment/reporting outcomes

“This FOA provides support to eligible, domestic institutions to develop & implement effective, **evidence-based approaches** to biomedical graduate training and mentoring”

- Develop a mission and objectives for the training program that are **specific and measurable**
- Explain how the courses, structured training activities, mentoring, and research experiences **will achieve the stated mission and objectives**
- Explain how you will **employ modern, evidence-based approaches** to training, mentorship, inclusion, and professional development
- How will trainee's performance be monitored and evaluated?
- Explain how the **training activities** will be **available to other Trainees** in the program(s), department(s) or institution(s) from which the trainees are drawn
- For multi-disciplinary and/or multi-departmental programs, explain integration and coordination

Career Development

- Trainees must be **provided with information about the career outcomes of graduates of the program** and about the overall biomedical research workforce employment landscape.
- Trainees must be provided with information about **a wide variety of careers** in the biomedical research workforce for which their training may be useful
- Provide **experiential learning opportunities** (e.g. internships, shadowing, informational interviews)
- Trainees must complete an Individual Development Plan (IDP) and review it with their mentor and the T32 director each year

Career **outcomes of trainees must be tracked**, compared to similar trainees who were not appointed to the grant, and posted on the training grant website

Requirements and major changes – Training in Rigor and Reproducibility

The plan must describe how trainees will be instructed in principles important for enhancing research reproducibility including:

- scientific premise
- rigorous experimental design and data interpretation,
- consideration of relevant biological variables such as sex,
- authentication of key biological and/or chemical resources,
- data and material sharing,
- record keeping,
- transparency in reporting.

Are instruction strategies **sufficiently well integrated into the overall curriculum**; are they **taught at multiple stages of trainee development** and in a variety of formats and contexts?

Will **all program faculty reiterate** and augment key elements of methods for enhancing reproducibility when trainees are performing research in their laboratories?

Requirements and major changes – Institutional Letter

Application must include a signed ≤ 10 page letter on institutional letterhead from key institutional leader(s) describing the institutional commitment

Get started on this early, as it takes a long time to get it through the bureaucracy

Preparing your Training Grant Proposal for Review

Questions for the Panelists?

Unmute or type questions in the chat

INSTITUTIONAL RESOURCES

Cory Davis, Research Scholar Manager, Postdoctoral and Research Scholar Affairs, Office of Research Affairs

- Training Grant website: trainggrants.ucsd.edu
- Institutional Support Letter process for new proposals and renewals

INSTITUTIONAL RESOURCES

Tamara Schaps, Assistant Dean of Graduate Strategic Initiatives, The Graduate Division

- Matching graduate student fellowships, usually a 4:1 ratio, adjusted based on budget situation
- Supporting diversity goals of the institution
- Learn more: https://collab.ucsd.edu/x/xu_WBg

QUESTIONS?

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