

USC
Viterbi
School of Engineering

EPSTEIN FAMILY
ENGINEERING PLAZA

VITERBI OFFICE OF RESEARCH



MAHTA MOGHADDAM
NICOLE BURELLI

Viterbi New Faculty Orientation
AUGUST 16, 2024





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Viterbi Research Overview

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Research Resources

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VITERBI RESEARCH MISSION

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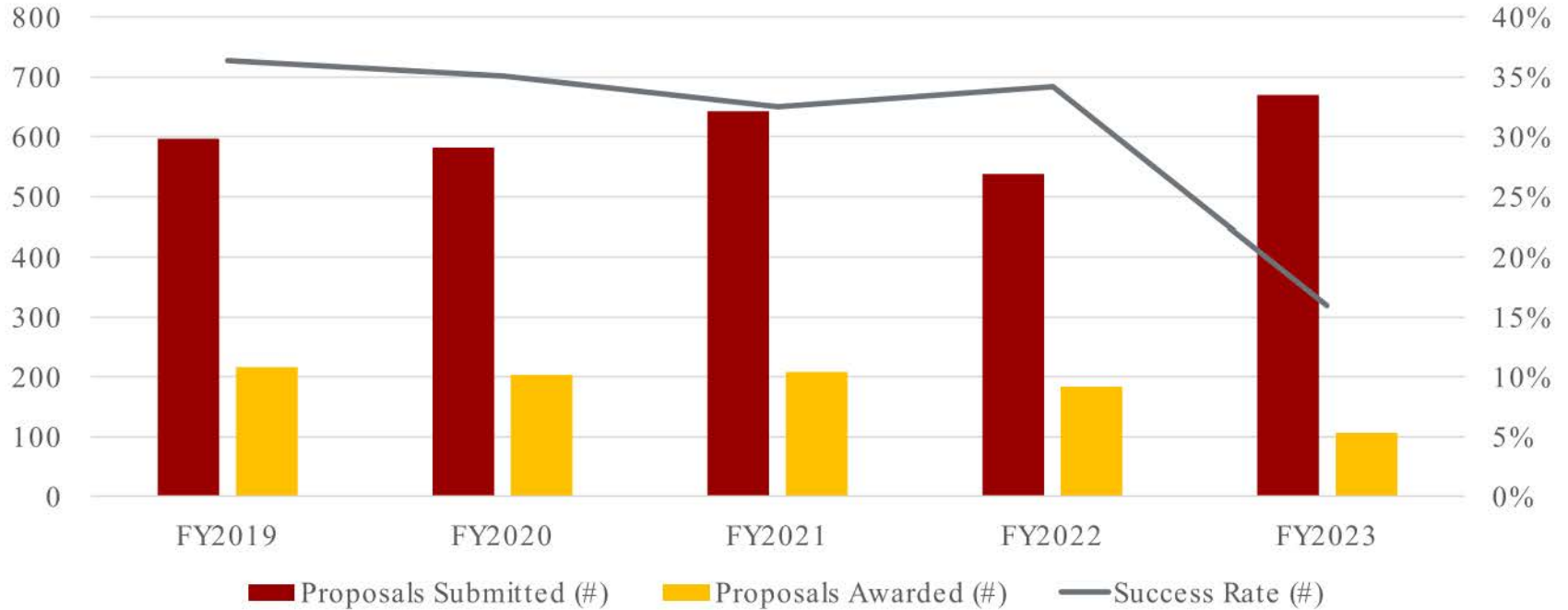


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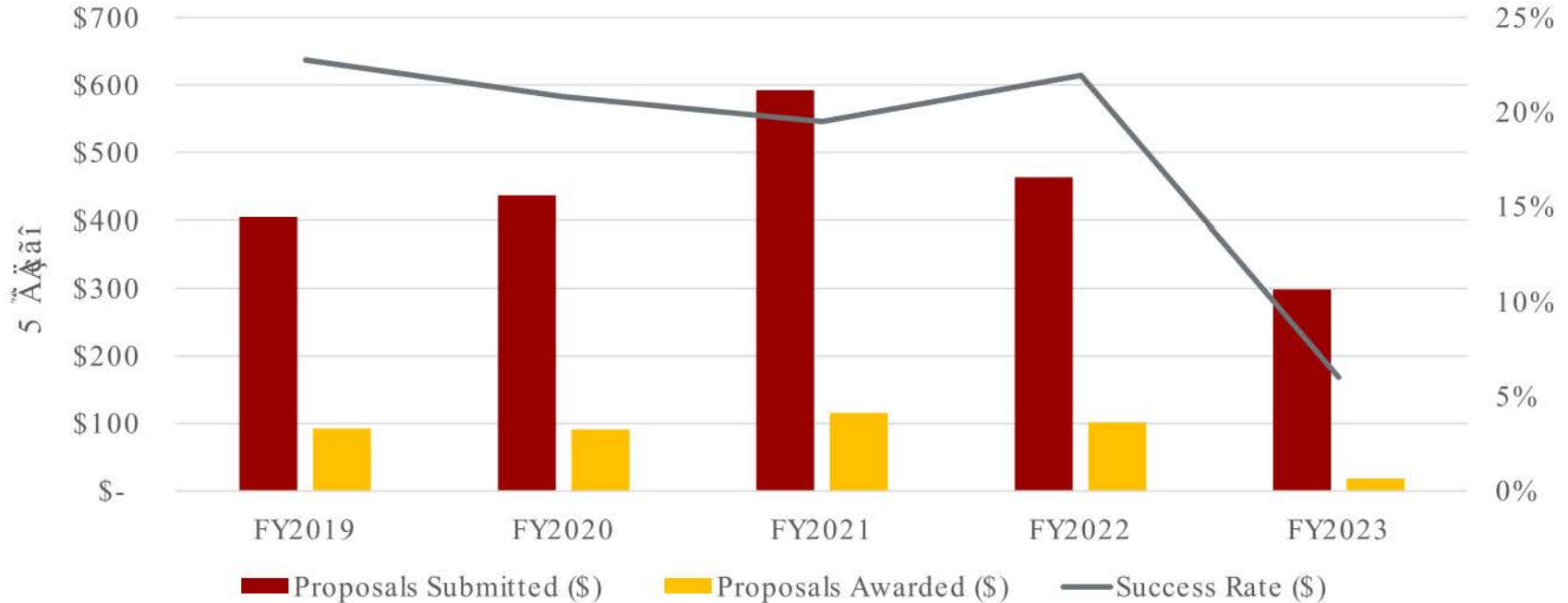
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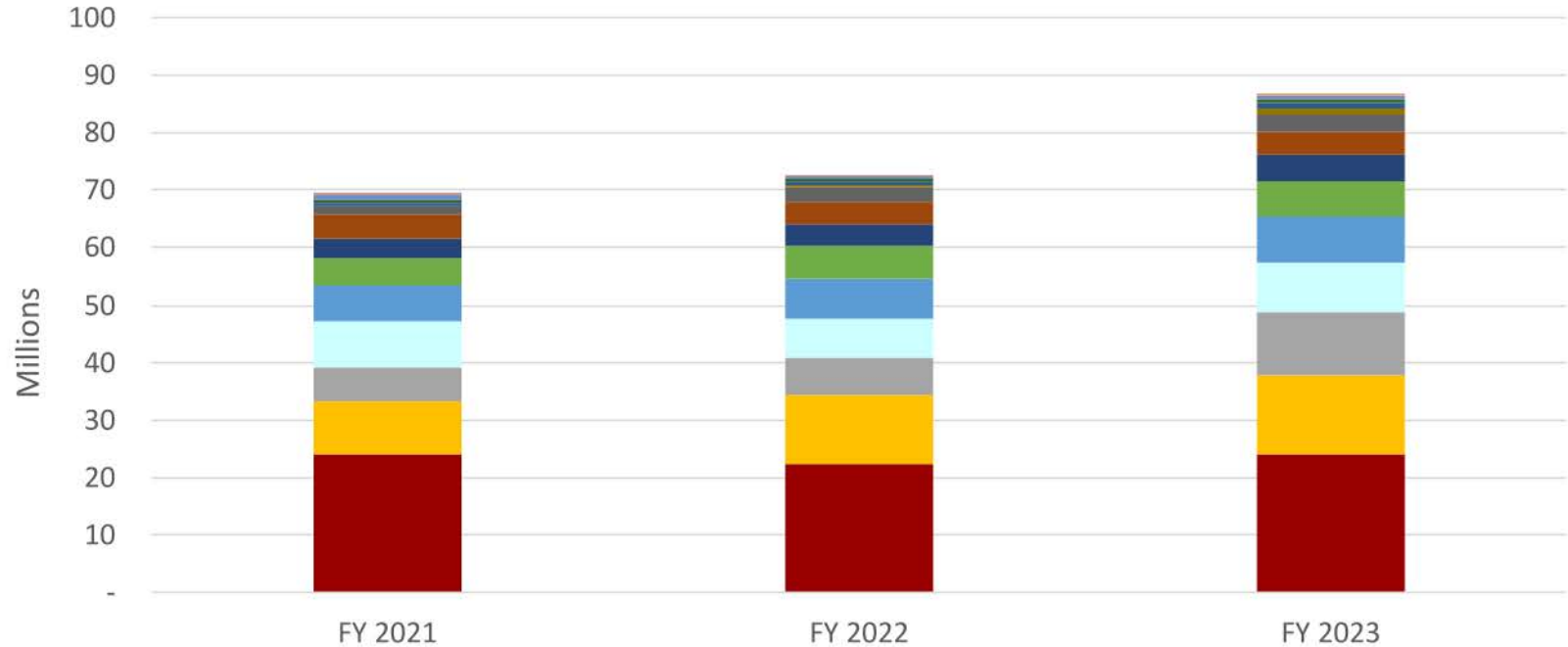
PROPOSALS SUBMITTED AND AWARDED

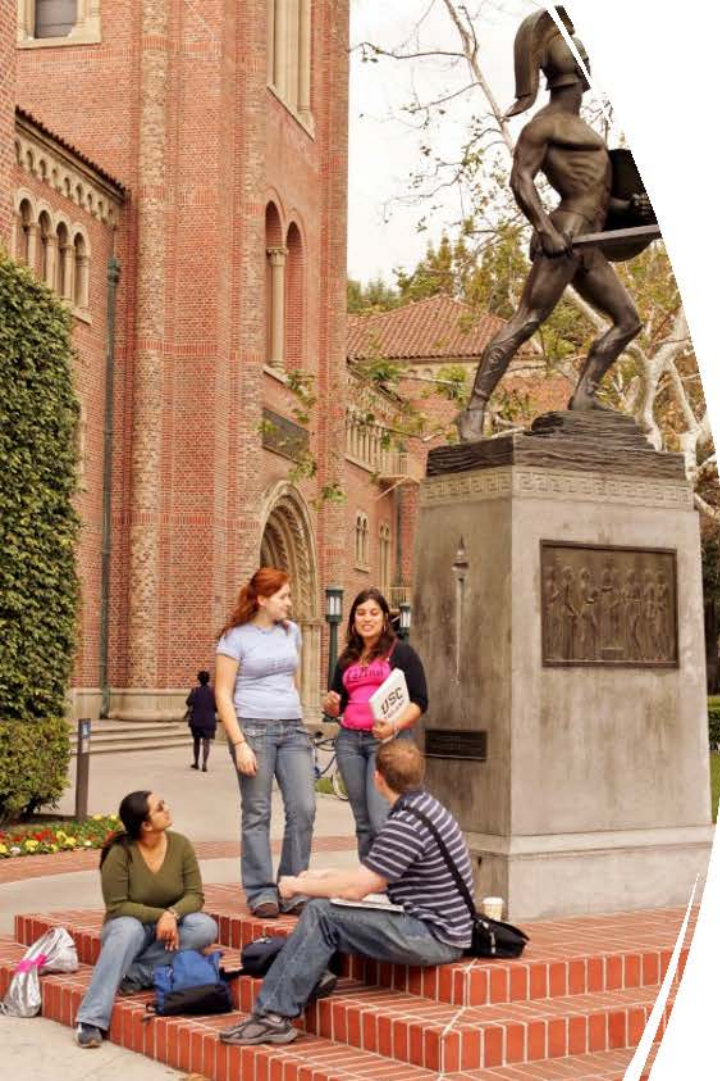
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RESEARCH EXPENDITURES





FACULTY EXPECTATIONS OUR VISION

- 3 GRAs funded per year
- Fellowships and TAs are in addition to that
- One PhD graduated per year, one new PhD student taken on
- 5 years in the PhD program per student (could be, e.g., 1 year as TA, 1 as fellow, and 3+ as GRA)
- At least 2 proposal submissions per year as PI
- Co-PI and other roles are extra and encouraged
- These are minimum numbers: do the calculation for how much it takes to sustain a pipeline of 3+ GRAs given funding rates (varies among agencies) and plan proposal submissions accordingly



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Ensure that our research enterprise sufficiently supports and catalyzes our vision

- Maintain a seamless process from beginning to end and ensure that researchers have the support they need to successfully pursue and manage competitive, high-profile, high-impact funding opportunities
- Serves as a catalyst, resource, and partner

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Goal: Facilitating and Enhancing Research Excellence

Methods:

- Programs for junior faculty
- Active dissemination of opportunities (weekly Research Gist e-newsletter & web)
- Leveraging Central Office for Research opportunities
- Collaborating with other USC schools & units
- Help with center and other large-scale proposals
- Visioning exercises and strategic initiatives
- Faculty Incentives (opportunities to earn discretionary funds and supplemental salary)
- Viterbi Research Initiatives Committee

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Led by Senior Vice President of Research Ishwar Puri

- Purpose: help faculty in the process of research
 - Research Strategy and Development (Washington, D.C. office)
 - Training courses via the Center for Excellence in Research (CER)
 - Support for shared equipment cores
 - Cost-share on center proposals
 - Internal funding programs
 - Funding information dissemination
 - Management of institutionally limited funding opportunities
 - Oversight of USC Stevens Center for Innovation



USC OFFICE OF RESEARCH AND INNOVATION

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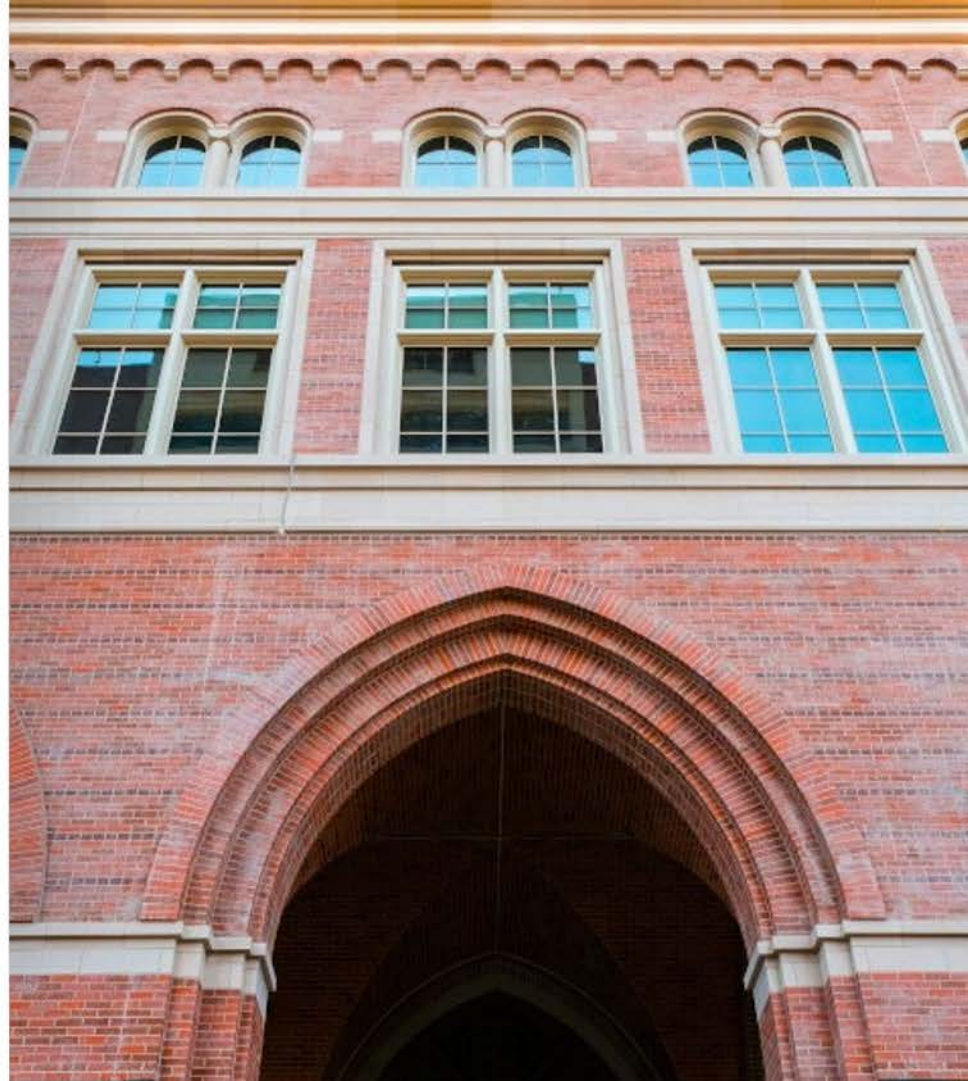
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- **Center for Excellence in Research:** Provides mentoring and training in seeking funding from government, foundation, and corporate organizations, as well as a variety of other topics
- **Innovation Award Programs:** Internal grants tailored to support a diverse range of research areas, scholarship, and artistic and cultural expression
- **Point of contact:** Silvia da Costa (sdacosta@usc.edu)

EARLY CAREER AND YOUNG INVESTIGATOR PROGRAM AWARDS

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NSF CAREER AWARDS



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Register for the USC CER's
*Strategies for Young
Investigator/Early Career
Awards* workshop



Take Broader Impacts very seriously
(for all NSF grants, not just CAREER)



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Central:

- Dept. of Contracts and Grants (DCG)
- USC Office of Research and Innovation
- Office of General Counsel
- Office of Culture, Ethics and Compliance

School Level:

- Viterbi Office of Research
- Viterbi Business Affairs (Finance)
- Viterbi Corporate and Foundation Relations

Local/department-level:

- Departmental research administrators





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Pre - Award

- School-level review and approval of proposals
- Shifting to more hands-on proposal preparation support
- Isabel Ruiz Rodriguez, Associate Director

Training & Capacity Building

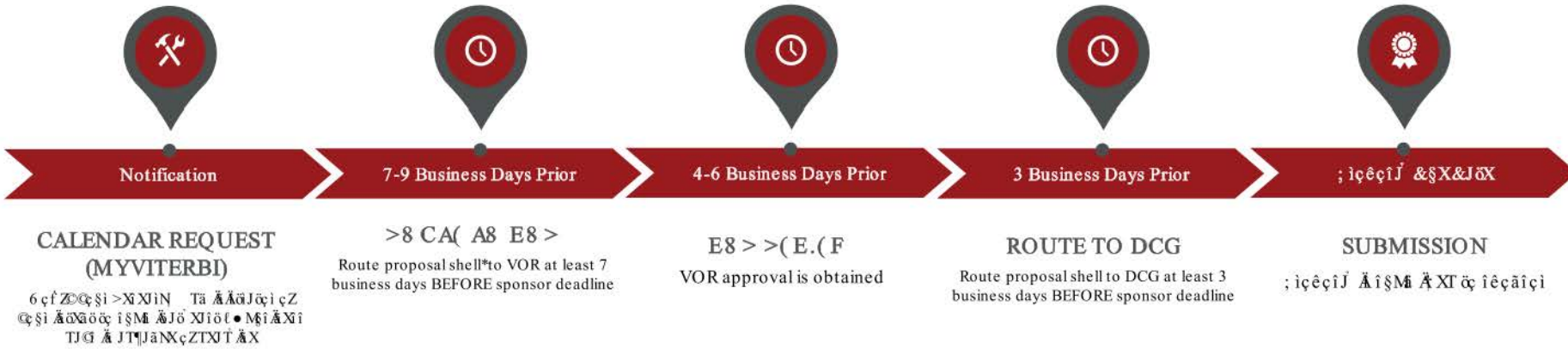
- Comprehensive training, onboarding and guidance for research administrators across Viterbi
- Coverage in times of staff transition
- Meggy Frye, Associate Director

Research Development

- Proposal management support for large-scale and multidisciplinary opportunities
- Samantha Gordon-Danner, Special Project Manager

PROPOSAL REVIEW TIMELINE

Timeline description in Chinese characters.



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FACILITIES AND ADMINISTRATION RATES

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WE ARE HERE TO HELP



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Jen Sosenko | sosenko@usc.edu



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Department of Contracts and Grants | dcg.usc.edu
Office of Research and Innovation | usc.research.edu