



AAS

Association for
Academic Surgery

Funding Mechanisms for Trainees

Zhi Ven Fong, MD, MPH

General Surgery Resident

Massachusetts General Hospital, Boston, MA

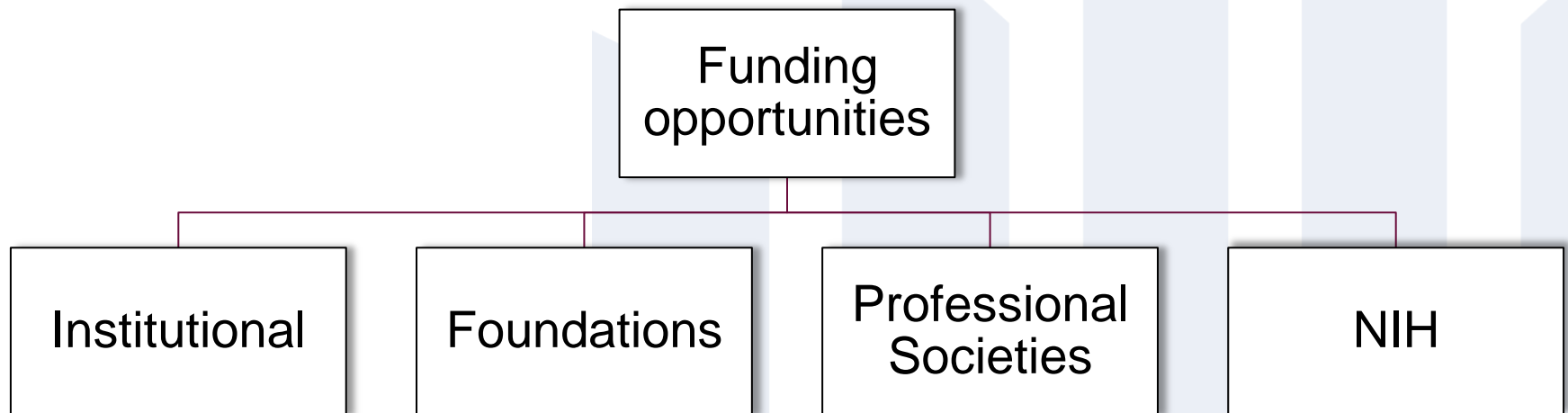
Disclosures

- No disclosures
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Outline

- List of available funding opportunities
- Focus on NIH funding mechanism
- Elements of F32 grants
- Suggested timeline

List of available funding opportunities



Foundational grants



Active Funding Opps	Upcoming Funding Opps	Closed Funding Opps
APPLICATION DEADLINE	DESCRIPTION	
Fri, 3 Nov 2017 3:00 p.m. ET	2018 RWJF Culture of Health Prize The RWJF Culture of Health Prize recognizes communities that have placed a priority on health and are creating powerful partnerships and commitments that will enable everyone to live as healthy as possible.	
Wed, 15 Nov 2017 3:00 p.m. ET	Robert Wood Johnson Foundation Health Policy Fellows The RWJF Health Policy Fellows are provided an opportunity to participate in the policy process at the federal level and use that leadership experience to improve health, health care and health policy.	
Open	Evidence for Action: Investigator-Initiated Research to Build a Culture of Health This program aims to support rigorously designed quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs and partnerships.	
Open	Pioneering Ideas Brief Proposals The Robert Wood Johnson Foundation seeks out and supports pioneering ideas and innovative solutions to foster a Culture of Health in America.	

MacArthur Foundation

Policy Research Grant Guidelines



Encourage and Develop Clinical Research Careers

The foundation supports the development of clinical investigators through the following competitive awards:

- Clinical Research Continuum: High School to College
- Clinical Research Mentorship
- Clinical Scientist Development Award
- Fund to Retain Clinical Scientists
- International Clinical Research Fellowship

Professional Societies

- ACS Resident Research Scholarships
- SUS Resident Research Scholar Award
- AAS Trainee Research Fellowship Award

Professional Societies

GI Surgery

- SSAT Mentored Research Award
- SSAT/SBAS Resident/Fellow Research Award
- AHPBA Research Fellowship Grants

Transplant Surgery

- American Society of Transplantation Grant Program
- ASTS Resident Scientist Scholarships
- ASTS Presidential Student Mentor Grant

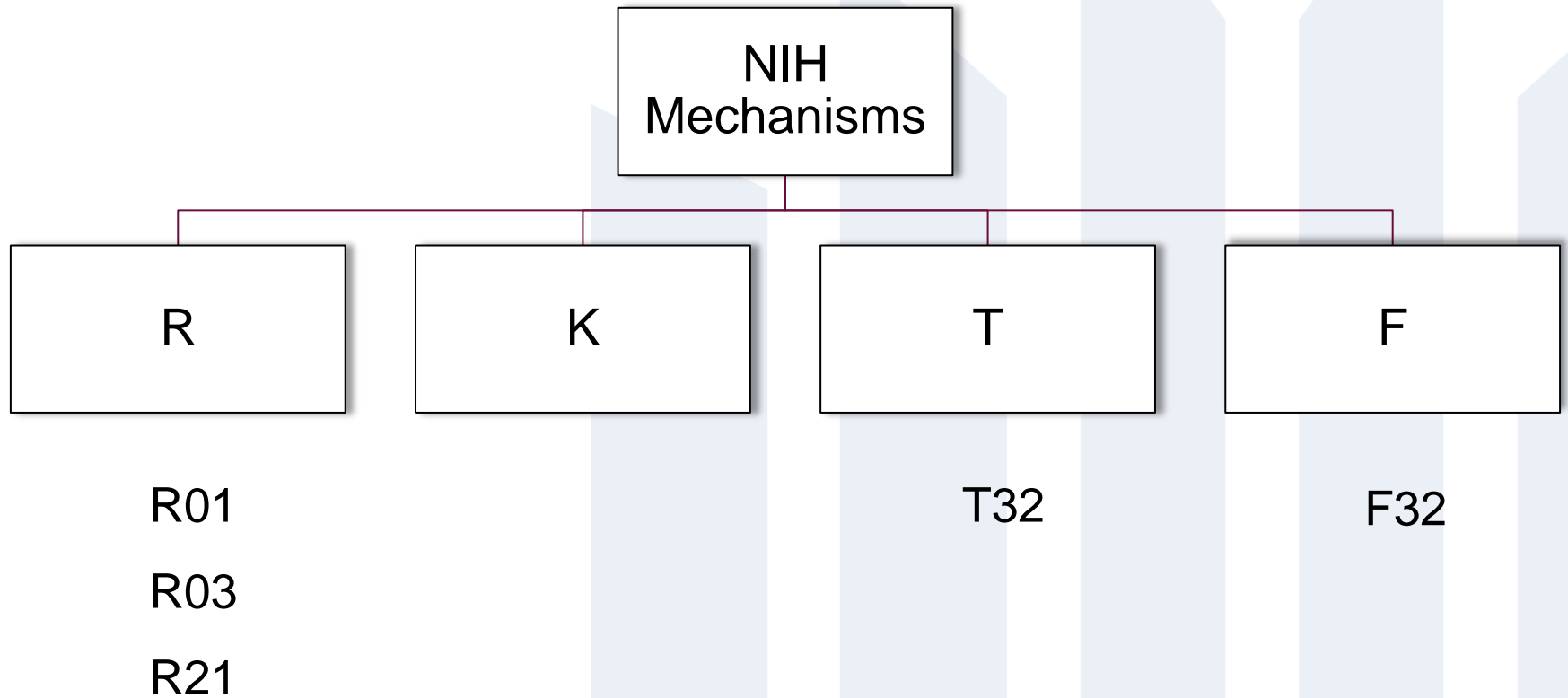
Vascular Surgery

- SVS Resident Research Award
- VESS/Medtronic Vascular Resident Research Award

Cardiothoracic Surgery

- Thoracic Surgery Foundation Resident Research Fellowship Award
- Nina Starr Braunwald Research Award

NIH Funding Mechanisms



F32 grants

What do you get?

- Principal Investigator (P.I.) status
- Salary support
- Small research budget
- Partial support for tuition

Challenges

- Time
- 34 different steps
 - Deadlines: August 8, December 8, April 8
 - Earliest start dates: April, July, September
 - Great to aim for August deadline, fall back on resubmission in December

Evaluation components

Register Principal Investigator (PI) or Program Director (PD) in eRA Commons (Fellow is PI)
Project Title (81 Characters)
Cover letter
Senior / Key Person Profile(s) (for eForm)
Tuition and Fees-Budget
Project Summary/Abstract (30 lines)
Project Narrative
Research Training Plan- Specific Aims (1 page)
Research Training Plan- Research Strategy (6 pages)
doctoral Dissertation and Other Research Experience (2 pages)
Protection of Human Subjects (No page limit)
Inclusion of Women and Minorities
Targeted/Planned Enrollment
Inclusion of Children
Other Research Training Plan (No page limit)- for studies with animals
Facilities and Other Resources
Equipment
Resource Sharing Plan
Respective Contributions (1 page)
Selection of Sponsor and Institution (1 page)
Responsible Conduct of Research (1 page)
Applications for concurrent support (1 page)
Current or prior Kirschstein NRSA support (1 page)
Goals for fellowship Training and Career (1 page)
Activities Planned Under this Award (1 page)
Doctoral Dissertation and Other Research Experience (2 pages)
List of Referees
Sponsor and Co-Sponsor Information (6 pages)
Fellowship Reference Form 1 (2 page max)-
Fellowship Reference Form 2 (2 page max)-
Fellowship Reference Form 3 (2 page max)-
PI Biosketch (New Biosketch Format)

Main evaluation components

- Research plan
- Candidate
- Career development plan
- Mentors and collaborators
- Environment and institutional commitment

“Meat”

- Specific Aims
 - 1 page
- Research plan
 - 6 pages
 - Significance
 - Innovation
 - Approach



How to write Significance?

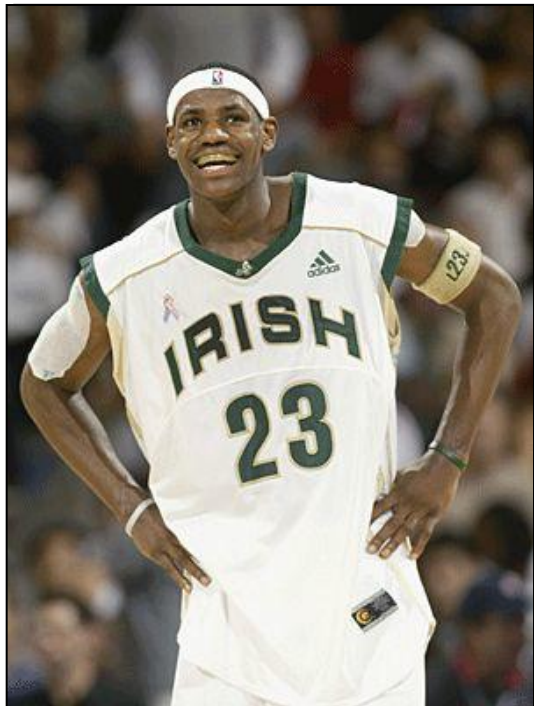
- What is your vision? What do you want to **change**?
What pisses you off the most?
- Dissociate **clinical interests** from **research interests**
 - Come up with a topic that is generalizable across specialties
- What is the **barrier** to that vision?
- What do you think could remove that barrier? What is your hypothesis?
- When completed, this study will have a **tremendous** and **sustained** impact
 - From small to big. Think about some impact for the larger society. Who are the stakeholders?

- Be very clear about the **scope**
- Be very clear about the **language**
- Be very thorough in your discussion of **limitations**
 - Better you mention it, than for reviewers to notice it
- Don't try to do everything
 - Mention how you will find the expertise, and/or get the relevant training

What are they looking for in an
F-grant applicant?

Candidate

F32



Better jump shot

Better defense

↑free throw shooting %

+60 lbs of pure muscle

R01



Career Development Plan

~~“Where would I end up in 2 years?”~~

“Where can I be in 2 years?”

SURGICAL PERSPECTIVE

The Hidden Consequences of the Volume Pledge “No Patient Left Behind”?

Dana M. Schwartz, MD, Zhi Ven Fong, MD,* Andrew L. Warshaw, MD,*
Michael J. Zinner, MD,‡§ and David C. Chang, PhD, MPH, MBA*†*

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Career Development Plan

- Candidate's background
 - Prior research and training
- Career goals and objectives
 - Career goal
 - Career objectives and rationale for the training
- Career development/training activities during award period (timeline)
 - Enhance knowledge in X
 - Develop skills in X
 - Career development (grand rounds, journal clubs, conference presentations)
- Mentorship team (committee)
 - Mentor, vs collaborators
 - Expertise
 - Meeting schedule

Example

- Typical HSR mentoring committee:
 - Health services researcher
 - Epidemiologist
 - Biostatistician
 - Clinical content expert
- Mixed methods mentoring committee:
 - Health services researcher
 - Survey expert
 - Qualitative researcher
 - Clinical content expert
- QI project mentoring committee:
 - Implementation scientist
 - Clinical content expert
 - Economist

Timeline

- Soul searching: Until New Year
- Preliminary studies? January, February
- Specific Aims: February (two or three statements)
- Research plan – significance: April (1-2 pages)
- Research plan – approach: May, June (3-4 pages)
- 30 other miscellaneous steps: July (lots of little pages)

Tips & advices from others

“Talk early with the Grants Management people. There’s almost nothing worse than an administrative deadline sneak up on you.”

*Brian Gilmore, MD
Duke Surgery F32 recipient*

“The strongest grant applications highlight an important topic with a tangible scope, include strong mentorship/teams, and are tailored to meet the specific goals of the funders/foundation. ”

*Rajshri Mainthia, MD
MGH Surgery, HMS Patient Safety Fellow*

“The key here, in my opinion, is picking the right mentors. It is hard to get your application funded if your mentor doesn’t have experience reviewing, editing, and guiding you in preparing a successful application. And the mentors doesn’t necessarily need to be faculties; awardees of similar grants at their institution are extremely helpful too.”

*Madhukar S Patel, MD, MBA, ScM
MGH Surgery, ACS Resident Research Scholarship recipient*

Acknowledgements

“There is no elevator to success.
You have to take the stairs.”

Zig Ziglar

Thank You!



@fzven



zfong@partners.org