AAOF Awards Application Workshop: Guide to the 2020 Cycle for Applicants & Mentors

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Saturday, May 4 11:15 a.m. - 1:15 p.m. LACC - 407 https://www.aaofoundation.net





Guide to the 2020 Cycle for Applicants & Mentors

- Workshop Goals
- AAOF Mission & Achievements
- Award Types & Eligibility Criteria
- 11 Required Components
- Review Process & Criteria
- Your Role & Your Mentors'/Chair's Roles in Ensuring Your Success
- Questions & Answers





Workshop Goals

Share information on

- Award categories & requirements
- Review process, criteria & funding decisions

Improve

- Quality & completeness of applications
- Chances of your success
- Discovery & education in Orthodontics
- Justification for fund-raising efforts of AAOF





Mission & Achievements

Mission:

 To advance the orthodontic specialty by supporting quality education and research that leads to excellence in patient care

Since 1994:

- The AAOF has funded over 500 fellowship and research awards totaling \$13.1 million
- 76% of faculty supported by AAOF awards remain in full-time academics after 5 years

In 2019, the foundation received 57 proposals and approved 33 for funding



NEW for the 2020 cycle

- PARC: increase to n=9 members
 - Welcome: Sath Allareddy & Wellington Rody
- Awards Budget Guidelines
 - Increased clarity re: budget, justification
 - Awardees must follow approved budget
 - Re-budgeting request (form): for extenuating circumstances
 - Faculty Salaries OFDFA (formatting)





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Award Types & Eligibility Criteria

- All Award Categories
 - US/Canadians, green-card holders/applicants
 - Commitment to academic career (teaching/research)
 - Orthodontic faculty
- Distinction between full-time, part-time and residents by Award category





Application Submission

- Two copies
- Both mailed to AAOF
 - One paper copy
 - An electronic copy on a thumb drive/flashkey
- Both identical copies to be received by November 15, 2019





Award Types & Eligibility Criteria: Junior Faculty

- Orthodontic Faculty Development Fellowship (OFDFA)
 - ≤\$20,000 for one year
 - Full-time faculty ≤5 years in 1st appointment
 - Two proposals per orthodontic program
- Postdoctoral Fellowship (PFA)
 - ≤\$50,000 per year for 2 years (with 3rd year possible)
 - Orthodontist with PhD (or equivalent)
 - For post-doc research training (lab or clinical)
 - High potential for future extramural (NIH) funding
 - Only one proposal per orthodontic program





Award Types & Eligibility Criteria: Experienced Faculty

- Biomedical Research Award (BRA)
 - ≤\$30,000 for one year
 - Full-time faculty for ≥3 years
 - Any rank
 - Multiple applications per orthodontic program permitted





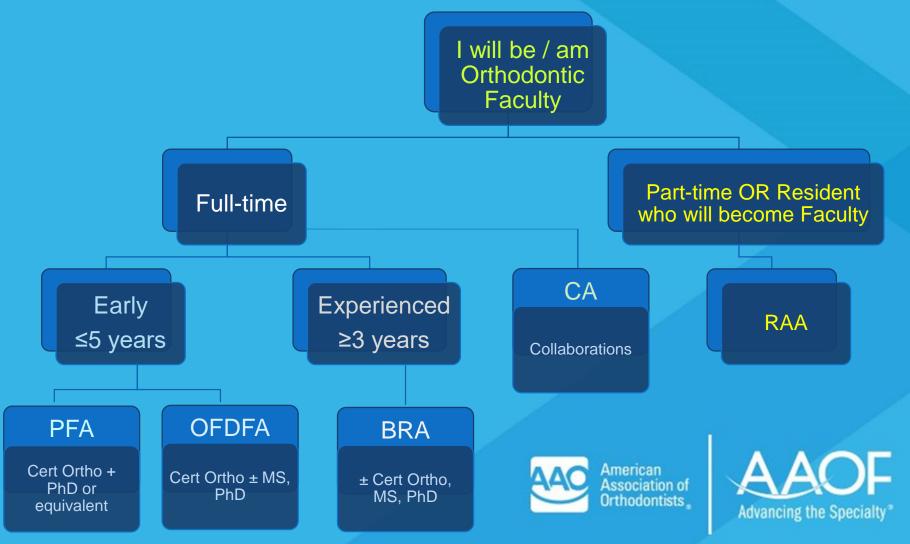
Award Types & Eligibility Criteria

- Research Aid Award (RAA)
 - ≤\$5,000 per year for one year
 - Criteria
 - Resident committed to part-time/full-time academic career
 - · Letter of support should state academic interest
 - Part-time orthodontic faculty
 - ≤Two proposals per orthodontic program
- Center Award (CA)
 - ≤\$25,000 per year for up to 3 years
 - No seniority limit
 - To enhance collaborations within and between institutions
 - Four types





Decision Tree: Selecting correct award category



Questions?







11 Required Components

- 1. Application cover sheet
- 2. Table of contents
- 3. Title page
- 4. Documentation of eligibility
- Previous AAOF awards & outcomes
 - Resubmissions only: Copy of previous AAOF review
- Budget & budget justification
- 7. Biosketches
- 8. Role of applicant(s)
- 9. Proposed Plan
 - Resubmissions only: Introduction Page
- 10. Letters of Support
- 11. Appendix

Yellow font: same for all categories





Required component #1 Application cover sheet

General Application Cover Sheet (All Funding Categories, Except Fellowship Awards)

Name/Institution of Applicant:		
Title of Project		
Award Category		
Dates of the Proposed Project Period		
General Budget		
Total Amount Requested from AAOF		\$
Funds from Other Sources		\$
Total Project Cost		\$
Budget Categories for AAOF Funds		
Personnel		\$
Supplies		
Equipment		
Other Expense		\$
<u>Total</u>		\$
Applicant's Address		
City	State	Zip Code
Telephone	Fax	
E-mail		
Institution		
Signature of Applicant		
Date of Submission		
Signature of Responsible Institution Official		

- Must be filled out, signed, & returned as application cover page
- If AAOF funds requested only for part of total budget, state amount from other sources





Required component #2 Table of contents & checklist

Applicant Name (Last, First):

AMERICAN ASSOCIATION OF ORTHODONTISTS FOUNDATION AWARD APPLICATION TABLE OF CONTENTS

	Page numbers
Application Cover Sheet – completed and signed	1
Table of Contents	2
Title Page	3 4 5
Documentation of Eligibility	4
Previous AAOF Awards and Outcomes	5
Previous AAOF PARC Review (resubmission applications only)	
Budget and Budget Justification (2 page maximum)	
Biosketch(es) (4 page maximum for each biosketch)	
Role(s) of Applicant(s) (1 page maximum)	
Proposed Plan	
Introduction (1 page maximum) for resubmission application only	
Abstract (1 page maximum)	
Project Plan (see specific instructions for page limits & required contents)	
Timetable (1 page maximum)	
References	
Status of Human and/or Animal Research explaining status of request	
Approval Letter attached	
Approval Pending – append statement explaining status of request	
Other – append statement explaining status of request	
Letters of Support	
Co-investigators/consultants/advisors	
Institutional Official	
Department Chair	
Appendix Materials	
Institutional Approval of Proposed Human Research	
Institutional Approval of Proposed Animal Research	
-	

CHECKLIST

Please check () each item to confirm and sign the bottom of the page All required components are listed in Table of Contents and page number(s) provided Application is formatted according to the General Application Guidelines Copies of application provided: 2 paper (stapled/not in a binder or cover) and 1 electronic Completed final application review for readability/errors by an experienced faculty member I have read the criteria for AAOF funding, both general and for applicable award category I am eligible for this award, if approved

- Enter correct page numbers
- All checklist items must be confirmed
- Attest to completeness of application by signing & dating





Applicant's Signature

Date

Required component #3 Title page

- 1-page maximum, include
 - Award category
 - Title of application
 - Key personnel
 - Include biosketches for all named (see #7)
 - Other award-specific information
 - Statement (1-3 sentences)
 - Relevance of proposal to
 - Clinical orthodontics
 - Orthodontic education
 - Non-technical language

Page 3: Title Page [not to exceed one page]

- a. Category of award: Orthodontic Faculty Development Fellowship
- b. Applicant: O. T. Mover, DDS, MS, PhD
- c. Principal advisor and mentor:
 - i. Principal advisor:

Q. B. Fox, DDS, MSc, PhD Professor, Department of Orthodontics & Dentofacial Orthopedics Tops University, School of Dentistry

ii. Mentor

V. F. Helper, DMD, EdD Associate Dean for Student Services Professor, Department of Public Health Tops University, School of Dentistry

- d. Developmental Plan (give relative % to be devoted to each category so total is 100%):
 - i. Educational 20%
 - ii. Research 50%
 - Title: The Biology of Tooth Movement Revisited
 - A brief statement (one-three sentences) using non-technical language describing the relevance of the proposal to clinical orthodontics and/or orthodontic education
 - III. Teaching 20%
 - iv. Clinical skills 10%





Required component #4 Documentation of eligibility

D	OCUMENTAT	ION OF ELIGIBIL	ITY		
Citizenship:	Foreign National Status (if not a US or Canadian citizen):				
Current Academic	Current Academic Status: (For OFDFA/PFA/RAA)				
Rank: (For BRA, CA,	Check all that	Name of Program or	Year in	Anticipated	
EIA)	apply	Institution	Program	completion date	
LLI	Resident				
	MS candidate				
	PhD candidate				
	Post-doc*				
Years as Faculty:	Start Date of	Academic Career:		I	
Full-time					
Full-time Part-time Location(s) where as Institution / Program		Month vill take place (name	Year and addre		
Part-time Location(s) where a					
Part-time Location(s) where a	n participating)	rill take place (name	and addre		
Part-time Location(s) where as Institution / Program	n participating)	rill take place (name	and addre		
Part-time Location(s) where as Institution / Program	n participating)	rill take place (name	and addre		

or equivalent) degree.

- Citizenship, Foreign National Status
- Current academic rank & years
- Location(s) of activities
- Institutional Official
 - Department Chair
 - · Program Director or
 - Dean





Required Component #5 Previous AAOF Awards &

Outcomes

- Reflects on:
 - Academic accomplishments
 - Success in career development and scholarship
 - Future chances of success with additional funding
- Important outcome measure for AAOF and donors

Applica	nt Name (Last, First):
PREV	/IOUS AAOF AWARDS AND OUTCOMES
Award Type:	(Use abbreviations defined in guidelines: OFDFA, PFA, BRA, CA, EIA, RAA, etc.)
Title of Project:	(Ose aboreviauous defined in guidennes, OFDFA, FFA, BRA, CA, BIA, RAA, etc.)
Role in Project:	Amount of Funding: \$
Period of	,
Support:	(Month-day-year) (Month-day-year)
Outcomes: - Cite/describe any: 1. Publications 2. Presentations (organization, location, date) 3. Follow-up grants or awards	
Progress Report (Required for multi- year OFDFA, PFA, CA and BRA)	Date due or N/A Submitted No Yes, on date Date revisions submitted (if necessary) Date accepted
Final Report	Date due orN/A
(All funded projects)	Submitted NoYes, on date Date revisions submitted (if necessary) Date accepted
Scheduled	Completion date per original proposal
Completion Date of Project	No Cost Extension requiredYesNoN/A Anticipated/Actual completion date
Report on Previous Funding	ProvidedYes NoN/A
Repeat the above, as a	p ppropriate to provide a complete history of AAOF award funding f the application is a resubmission, please attach The AAOF PARC

Review for the previous application following this "Page 5" form

Required Component #5 Previous AAOF Awards & Outcomes

- Resubmissions only:
 - Attach a copy of your previous
 AAOF Review

AAOF PARC Review Template (2017)

Driveinal Investigator(s)					
Principal Investigator(s): _ Mechanism: OFDFA					-
Institution:				()/_	
Citizenship status: Verified	Y	N	Eligible	Y	N
Chairs/Institutional support					
Reviewers will provide an oproject to exert a strong infl the following five scored reneed to be strong in all categories are development. A sum with the applicant. Weakne	overall impact s uence on the re view criteria, a gories to be jud imary of the re	esearch to ind addition lged likely view shou	flect their pic or care onal review y to have n ild be prep	er development w v criteria. An appli najor scientific imp ared in a manner s	ith consideration cation does not pact or a sound
Overall Impact					
Strengths					
•					
Weaknesses					
Reviewers will consider eac technical merit, and give a s	h of the five re	eview crite	w Criter eria below		on of scientific
1. Significance					
Strengths					
•					
Weaknesses					
•					

Required Component #6 Budget & budget justification

- All eligible expenses only
 - Itemized list
 - Justification: why needed
- Follow guidelines especially re: what is allowed (± salaries) and limits (travel)
- If other funds are planned to complete proposal, identify
 - What parts will be funded by AAOF/other funds
 - Source of other funds (agency, amount)





Required Component #6 Budget & budget justification

- Fellowships only if requesting stipend/salary
 - Describe alternative funds (sources, amounts) for proposed plans
- Reviewers assess
 - Appropriateness for proposed activities
 - Completeness
 - Reasonable cost estimates
 - If not in budget, are essential equipment, supplies, resources available to perform studies/plans
 - Help out: provide information





Required Component #7 Biosketches

Required for all individuals named on

≤4 pages

Title Page

- Personal Statement
- Positions and Honors
- Contribution to Science
- Research support
 - Ongoing
 - Past 3 years

OMB No. 0925-0001 and 0925-0002 (Rev. 09/17 Approved Through 03/31/2020)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person. DO NOT EXCEED FOUR PAGES.

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY

- A. Personal Statement
- B. Positions and Honors
- C. Contributions to Science
- D. Research Support (on-going and within past 3 years) and/or Scholastic Performance





Required component #8 Roles of Applicant(s)

- ≤1 page
- Include all individuals named on Title Page
 - Role(s)
 - Responsibilities
 - % effort



- Follow award-specific instructions, e.g.
 - OFDFA mentor/advisor(s)
 - · Role/s
 - Plans for meetings with applicant
 - · Skills, background





Required Component #9 Proposed Plan

- Abstract (≤1 page)
- 2. Project Plans(s)
 - Different page limits & content for different award types
 - Resubmissions only: Introduction page (see next)
- 3. Timetable (≤1 page)
- 4. References (no page limit)
 - Include all cited materials





Resubmission Applications: #9-2 Introduction Page

- Resubmissions are encouraged
- Applicant/s must
 - Make appropriate & major changes to the resubmitted application
- Include
 - Previous AAOF PARC Review after Form Page 5
 - i.e. after "Previous AAOF Awards & Outcomes" page/s
 - 1-page Introduction in section 9-2 of Project Plan





Resubmission Applications: #9-2 Introduction Page

- 1 page maximum
- Summarizes:
 - Substantial additions, deletions, & changes to the previous application
- Includes:
 - Responses to all of the "weaknesses" provided in the six sections of the critique





Required component #10 Letters of Support

- No page limits
- Required for all award categories
- Award-specific instructions
- Importance as specified in instructions
- Avoid extraneous letters





Required component #11 Appendix

- No page limits
- If applicable
 - Human Research: IRB approval status
 - Describe status
 - · Include notice if approved
 - Animal Research: IACUC approval status
 - Describe status
 - · Include notice if approved
- Accepted & published manuscripts
 - Not required
 - ≤3 authored by applicant
 - Directly relevant to application





Questions?





https://www.aaofoundation.net





OFDFA & PFA: Specifics

- Project Plans Page limits
 - OFDFA ≤6 pages
 - PFA ≤10 pages
- 4 Developmental Plans:
 - Required (programs, activities)
 - 1. Educational
 - 2. Clinical skills
 - 3. Teaching skills
 - 4. Research





OFDFA & PFA: Specifics

- Letters of Support -Page limits: None
 - At least 3 supporting letters: choose referees who can
 - Describe abilities/future potential, qualifications re: goals of OFDFA or PFA
 - Individuals named on Title Page
 - Principal advisor(s)/mentor(s), Co-I(s), Consultant(s)
 - Verify participation, plans for support
 - Institutional official
 - Verify support of/resources for 4 Developmental Plans
 - Chair
 - Verify eligibility, support & time
 - Confirm appointment as FT faculty as of July 1 of funding period





OFDFA & PFA: Specifics

- Project Plans Areas of emphasis
 - OFDFA: 1 or more
 - PFA: Research must be focus
- Provide
 - Sufficient detail for evaluation
 - Note: History/previous accomplishments ≠ Plans
- Key Advisors for each Developmental Plan
 - Should review, mentor on application prior to submission
 - Provide letter of support





OFDFA & PFA: Other Info

- TWO OFDFA & ONE PFA proposal per orthodontic program
- PI may apply for both OFDFA & PFA
 - Only 1 will be funded
- Current residents may apply if have
 - FT faculty position starting July 1st of funding year
 - Verification of appointment required from chair





OFDFA & PFA: Other Info

- "Stipend" for salary support
 - Allowed by the AAOF for OFDFA & PFA only
 - Note: Some institutions will not allow additional income as "salary"
 - Other options if this is not allowed by your institution.
 - Separate LOAs for institution AND PI
 - Need institutional official to sign both LOAs
 - IF not possible, suggest re-designing budget & justifications





BRA & RAA: Specifics

Project Plans

- Page limits
 - ≤ 10 pages for BRA
 - ≤ 5 pages for RAA
- Background & Significance
- Preliminary Studies
- Experimental Design, Methods & Statistical Analyses
- Expected Outcomes
- Alternative Approaches
 - What if outcomes are not as expected?
 - How to trouble-shoot
 - Demonstrate that all aspects been considered







BRA & RAA: Specifics

- Letters of Support -Page limits: None
- Individuals named on Title Page
 - · Co-I(s), Consultant(s): Verify participation, plans for support
- Institutional official
 - Verify support of/resources for Project Plan
- Chair Verify eligibility, support & time
 - . BRA: Confirm ≥3 yrs as FT faculty as of July 1 of funding period
 - RAA
 - Resident:
 - Highlight strong interest in a future academic career
 - Time to complete project while in program
 - PT faculty





BRA: Other Info

- Investigator-initiated research
 - Orthodontics & related topics
 - Expected to lead to
 - Publications
 - Preliminary data: external grant applications (e.g. NIH)
 - Scientific merit emphasized
- No limit: # of proposals per orthodontic program
- PI may
 - Apply for both BRA & PFA only 1 will be funded
 - Can not apply if PI/Co-PI on another application





Center Award

- Four types support for
 - 1. Establishing a "center" of investigation
 - 2. Established "center" of investigation
 - 3. Special collections & databases
 - 4. Collaborative inter-institutional symposia / workshops to expedite discoveries & technology transfer
- Project Plan ≤10 pages
- Content depends on Type 1 to 4
- Need to demonstrate
 - Genuine cooperative and collaborative undertaking
 - Not merely an expanded BRA





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Application, Review & Funding Processes

Applicant & Institution

- Apply for funding & perform proposed activities
- Agree to Terms
- Provide progress & final reports



AAOF Executive Director & Staff

- All administrative aspects
- Fund raising & grant administration
- · Only contact for Applicants
- Address all inquiries from applicants

AAOF Board of Directors

- Fundraising
 - Priorities & approaches
 - Activities
- Final decisions on all awards (recommended by PARC)

AAOF Planning & Awards Revew Committee

- 9 member panel (ad hoc if needed)
- Reviews & scores applications
- Recommends
 - Applications for funding
 - · Revisions or new funding mechanisms

Process Flow

AAOF Executive Director & Staff

- AAOF Awards materials issued
- Receives all applications
- Reviews for meeting deadline, eligibility and completeness
- Incomplete, ineligible or late applications triaged

PARC

- Chair assigns applications to PARC members generally based on area(s) of expertise
- Applications scored initially by 2 reviewers using specific scoring criteria
- Written reviews and preliminary overall impact scores (scale of 1 to 9)
- Additional reviewers sought when scores vary by more than 2 points
- PARC meeting- reviews presented with preliminary scores and discussed; final scores provided by all reviewers; final scores by all PARC members; average final score plus review collated
- Makes funding recommendations to AAOF BOD on basis of funding available and quality of applications
- AAOF BOD makes final funding decisions
- Applicant receives;
 - Funding decision
 - Critique





Review Criteria

- Overall Impact
 - Scale of 1 to 9
- Scored Review Criteria
 - Significance
 - Investigator(s)
 - Innovation
 - Approach
 - Environment including mentors & resources
 - Success and Productivity of Previous Funding Provided
- Strengths and Weaknesses (major, moderate, minor)
- Additional Review Criteria
 - Human or Animal Research Approval Status
 - Budget
 - Appropriate & justified
 - Ineligible requests







Scoring Scale & Guidelines

Impact	Score	Descriptor	Additional Guidance on Strength/Weaknesses
High	1	Exceptional	Exceptionally strong with essentially no weaknesses
	2	Outstanding	Extremely strong with negligible weaknesses
	3	Excellent	Very strong with only some minor weaknesses
Medium	4	Very Good	Strong with numerous minor weaknesses
	5	Good	Strong but with at least one moderate weakness
	6	Satisfactory	Some strengths but also some moderate weaknesses
Low	7	Fair	Some strengths but with at least one major weakness
	8	Marginal	A few strengths and few major weaknesses
	9	Poor	Very few strengths and numerous major weaknesses





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Where Do Applicants Trip Up

Quality of application

- How strong is it in each of the criteria?
- Is it proposing novel ideas and approaches?
- Does the application test a hypothesis?

Formatting & completeness of application

- Did you submit by the deadline?
- Did you follow the instructions diligently?
- Are all required materials included?
- If reworking a previous non-AAOF application –re-format to the AAOF guidelines

Award category

- Are you eligible for the category for which you have applied?
- Is this the category in which you are most competitive?





Where Do Applicants Trip Up

Mentorship & Consultants

- If grant is poorly compiled or question is weak or dated, it reflects on potential for inadequate or weak mentorship
- Seek strong, relevant mentors
- Seek input early and often
- Accomplishments from prior funding
 - Did you achieve the goals of your previous funding?
 - Have you filed your reports with AAOF?





Best Practices

- Start 6 months prior to submission
- Awards Materials typically posted by July 1
 - · www.aaofoundation.net
- Research
 - Define excellent & novel questions and experimental design, contemporary methodologies
 - Provide any preliminary data to support your ideas
- For career development
 - Seek out newer approaches to designing curriculum and teaching methods
 - Take relevant courses, workshops and classes





Best Practices

Mentorship

 Strong, supportive and dedicated mentorship in research, teaching and career development

Application Refinements

 Present and discuss your proposals with your mentors and consultants frequently, have them read/revise them

Have you done all your own work?

- Complete well organized proposal
- Attention to detail
- Make it easy for the reviewers
- Will reviewers have to search for needed information?
 - Place content where it should be





Awards Types for 2020

- Junior Faculty
 - OFDFA
 - PFA
- BRA
 - ≥3 years of full-time academics
- Center Award
- Research Aid Award





Awards Not Offered in 2020

- Education Innovation Award (EIA)
- Program Award (PA) for support of workshops, symposia and lectures



The Future

- Continue building on
 - Quality of applications
 - Discoveries in orthodontics
 - Faculty development successes
 - New processes for identifying Calls for Proposals
- Continue enhancing quality of review and feedback
- Implementation of AAOF Strategic Plan





Questions?

Visit the AAO Foundation Booth in the AAO Pavilion (Exhibit 1601)



Jackie Bode



Mindy Copp



Cheryl Young

For more information after the meeting contact:

Jackie Bode, MA, CFRE

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