#### Best Practices for an Effective NIH Biosketch

NCI Center to Reduce Cancer Health Disparities (CRCHD) Professional Advancement Virtual Engagement Series (PAVES)

March 30, 2022

Jaime S. Rubin, Ph.D. Dept. of Medicine College of Physicians and Surgeons Columbia University

Course: "Funding and Grantsmanship for Research and Career Development Activities" http://orantscourse.columbia.edu/ Topics to be Discussed

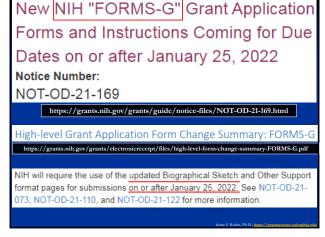
- Why is an NIH Biosketch Important?
- What is the Purpose?
- NIH Application FORMS G
- Where in the Grant Application does the NIH Biosketch Go?
- For Whom is an NIH Biosketch included?
- Components of an NIH Biosketch
- NIH Fellowship-Specific Biosketches
- 2

Why is the NIH Biosketch Important?

- Used by <u>reviewers</u> to assess the <u>qualifications</u> of the Principal Investigator(s), collaborators, coinvestigators, Advisors, etc. in terms of their proposed role in the applicant's training, in addition to the <u>overall competence</u> of the <u>entire</u> <u>"team"</u>
- <u>"Stand alone" document</u> that conveys to the reviewers everything you want them to know about you and the other members of the research group

- Keep Yours Current!
- Include all information that is relevant even if mentioned/discussed elsewhere in the application
- Make sure that the NIH Biosketches others give you for your application are <u>current</u> (information and format) and <u>programmatically appropriate</u>
- Sometimes <u>used by other</u> funding agencies and internal programs

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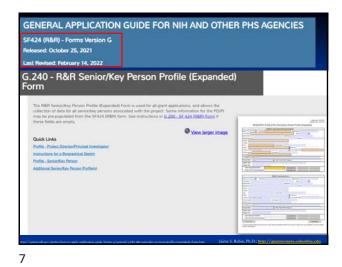
Jaime S. Rubin, Ph.D. Columbia University, New York, NY 6

**RESEARCH INSTRUCTIONS FOR NIH** 

AND OTHER PHS AGENCIES SF424 (R&R) APPLICATION PACKAGES

FORMS VERSION & SERIES

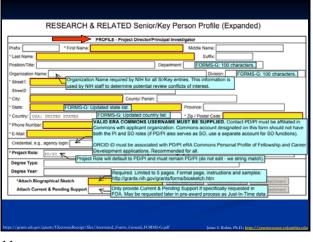
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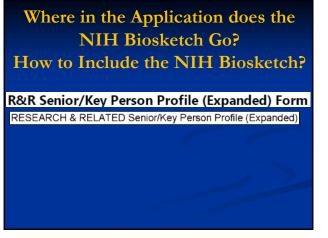
Section of Application	Activity Codes	Page Limits * (if different from FOA, FOA supersedes)
Biographical Sketch	For all Activity Codes (including DP1 and DP2 which previously had special page limits)	5

ADMINISTRATIVE NOTE: During the review of this application, reviewers and/or NIH staff noted that one or more biosketches did not comply with the required format (NOT-OD-15-032). An electronic notification has been suite that future applications use the correct biosketch format. NIH has the authority to withdraw such applications from review or consideration for funding.

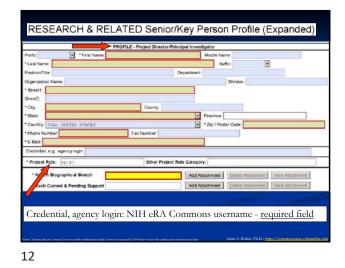
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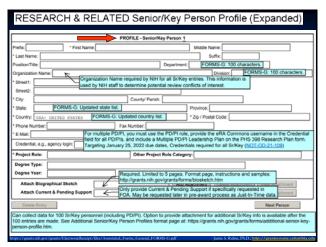


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## Multiple Principal Investigators (MPI) The contact PI is listed first If there is more than one Principal Investigator, all are given the role of "PD/PI" (even if not at applicant organization) NIH does not use the term co-PD/PI [PD = Project Director]

RESEARCH & RELATED Senior/Key Person Profile (Expanded)



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	PROFILE - S	enior/Key Person 1			
Prefix: • First	Name:		Middle Name:		
* Last Name.			Suttix		
Position/Title:		Department:			
Organization Name			Dh	tsion:	
* Street1:					
Street2:					
* City:	County				
* State		hand	Province:		
*Country USAL UNLITED STATS			* Zip / Postal C	ode:	
* Phone Number.	Fax Number:				
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* Project Role:	• Other F	Project Role Category	e 🗌		
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Senior/Key Personnel

Senior/key personnel <u>must devote measurable effort</u> to the project <u>whether or not salaries or compensation</u>

are requested. "Zero percent" effort or "as needed"

are not acceptable levels of involvement for those

designated as Senior/Key Personnel."

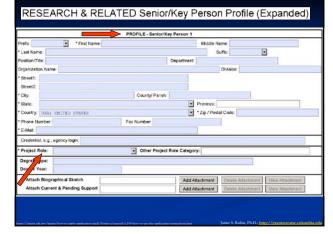
List alphabetically by last name after principal

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Senior/Key Personnel "are defined as all individuals who <u>contribute in a substantive</u>, <u>meaningful way to</u> <u>the scientific development or execution</u> of the project, whether or not salaries are requested... List individuals that meet the definition of senior/key <u>regardless of what organization they work for</u>."

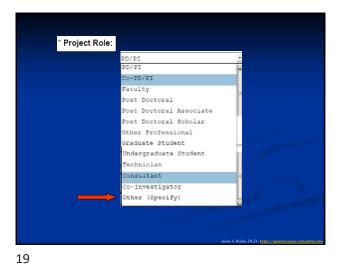
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investigator.

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PROFIL	E - Senior/Key Person 1
Prefz First Name	Middle Name
* Lest Nome:	Suffic:
Position/Title:	Department
Drganization Name	Division:
* Street1:	
Street2	
	wnty/ Parish
* State:	Province:
Country DIA: UNITED STATES	* Zip / Postal Code:
* Phone Number Fax Num	nber:
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#### **Other Significant Contributors**

- Contribute to the scientific development or execution of the project"
- No committed measureable effort "zero person months" or "as needed"

R&R Senior/Key Person Profile (Expanded) Form

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

**Biosketch Format** 

- Listed after Senior/Key Personnel
- Can include NIH Biosketch
- e.g., Advisors

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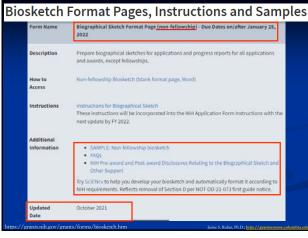
		PROFILE - Senior	Key Person 1				
retz	First Name:			Middle Na	me:		
Last Name:				Su	fin:		
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Degree Type:						1	
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Att	nt & Pending Support		Add A	tachment	Delete Adach	mart Mary	Attachment

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#### **Biographical Sketch**

- For Key Personnel (e.g., PI's, Co-Investigators, Collaborators), Other Significant Contributors, Advisors, Consultants, etc.
- No graphics, figures, pictures, tables, etc.
- Template word document provided by NIH
- Upload to application in pdf format
- Up to 5 pages in length total
- <u>https://grants.nih.gov/grants/forms/biosketch.htm</u>
- https://grants.nih.gov/grants/how-to-apply-application-guide/formsg/general/g.240-r&r-seniorkey-person-profile-(expanded)-form.htm





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# Biosketch Format Pages, Instructions and Samples Frequently Asked Questions (FAQs) Biosketches I. General II. SciENcv III. Citations IV. Contributions to Science V. Biosketch Compliance Featured Questions The Biosketch Instructions state that all positions and scientific appointments, or all positions are sever held? The Biosketch must include all current positions and scientific appointments. The Biosketch must include all current positions and scientific appointments. The Biosketch must include all current positions and scientific appointments. The Biosketch must include all current positions and scientific appointments. Biosketch must include all current positions and scientific appointments. The Biosketch must include all current positions and scientific appointments.

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#### **Biographical Sketch**

#### Education Block: Education and Training

- A. Personal Statement
  - Why you have the expertise for your <u>role in the proposed</u> project (e.g., training, previous relevant experimental experience, technical expertise; collaborations, scientific environment, past relevant performance, leadership role in similar project, etc.)
  - Up to <u>four relevant "research products"</u> relevant to proposed project (e.g., publications, conference proceedings/ abstracts/ posters/presentations, databases, software). Citing interim research products is permitted (e.g., preprints, preregistered protocol)

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#### **Biographical Sketch**

- A. Personal Statement (cont.)
  - "Contributions to Science" not included in Section C.
  - Ongoing and recently completed research projects (last 3 years)
    - <u>Relevant to the proposed research</u>
    - Other projects that you want to highlight for the reviewers (e.g., another large/complex project that you lead or had another significant role, competitive fellowship award)
  - "Impediments" to past productivity (e.g., family responsibilities, illness, disability, military service) (optional)

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#### **Biographical Sketch**

- B. Positions, Scientific Appointments and Honors (most recent listed first)
  - Domestic and Foreign
    - "Including affiliations with foreign entities or governments. This includes titled academic, professional, or institutional appointments whether or not remuneration is received, and whether full-time, part-time, or voluntary (including adjunct, visiting, or honorary)"
  - Professional experience
  - Previous positions/employment
  - Honors, awards, fellowships
  - Professional achievements/recognition
  - Advisory/Review committees
  - Professional memberships
  - Clinical licensures, specialty board certifications

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#### **Biographical Sketch**

#### C. Contributions to Science

- Describe your most <u>significant contributions to science</u> (<u>up to five</u>), Not longer than <sup>1</sup>/<sub>2</sub> page (including citations)
   Unserviced beforemend a formation problem.
  - Historical background of scientific problem
  - Main finding(s) Impact on the field/progress of science and/or the application to health or technology
  - Describe <u>your specific role</u> in each "Contribution"
- Reference up to <u>4 "research products"</u> (e.g., publications, abstracts, presentations, patents, databases, protocols)
   May describe your specific contribution/role in "Contribution"
- May include URL to a full <u>list of publications</u>
  - If included, must be a <u>federal website</u> (e.g., My Bibliography)

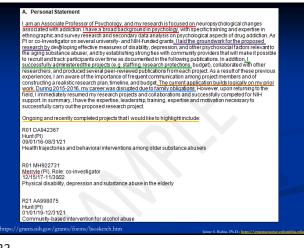
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POSITION TITLE:			
EDUCATION/TRAINING (Begin with baccalaure include postdoctoral training and residency traini			
INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
A. Personal Statement			
B. Positions, Scientific Appointments, and H	lonors		

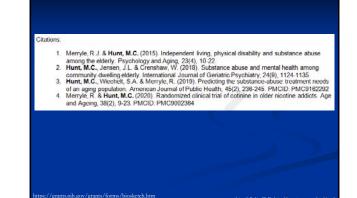
DMBNo. 0925-0001 and 0925-0002 (Rev. 12/2020 Approved Through 02/28/2 BIOGRAPHICAL SKETCH Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person. DO NOT EXCEED FIVE PAGES. NAME: Hunt, Morgan Casey eRA COMMONS USER NAME (credential, e.g., agency login): huntmc1 POSITION TITLE: Associate Professor of Psychology 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.) DEGREE Completion Date MM/YYYYY FIELD OF STUDY (if applicable) INSTITUTION AND LOCATION RS. 05/2003 University of California, Berkeley Psychology Experimental Psychology Public Health and Epidemiology PHD 05/2009 University of Vermon 08/2013 University of California, Berkeley Postdoctoral

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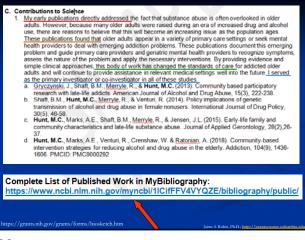




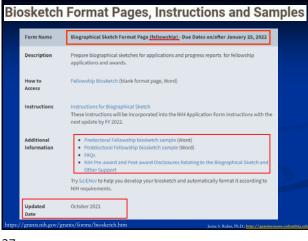








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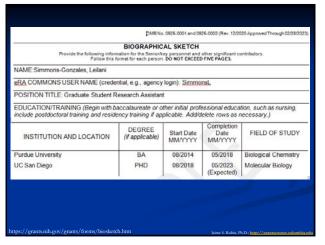
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### NIH Biosketch for Fellowship Applications "Special" NIH Biosketch for Fellowship (F) applicants A. Personal Statement

- B. Positions, Scientific Appointments, and Honors
  - Scholarships, Fellowships, Traineeships
- C. Contributions to Science
  - High School Research:
  - Undergraduate Research:
  - Graduate Research:
  - Post-doctoral Research:
- D. Scholastic Performance (courses and grades)

<u>https://grants.nih.gov/grants/forms/biosketch.htm</u>

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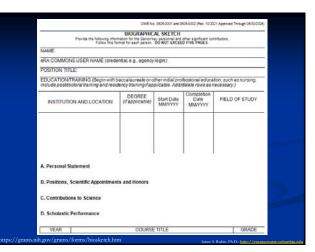




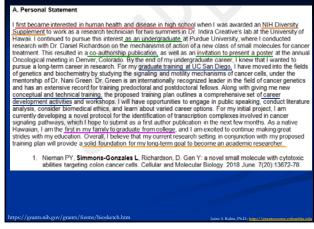


- Students/Post-docs are considered the PI of their NIH Fellowship application (F's)
- Student/Post-doc PI of an NIH Fellowship application uses a different NIH Biosketch format, as compared to all other "roles"
- Everyone else in the application uses the "usual" NIH Biosketch format
  - Mentor(s), Collaborators, Co-investigators, Advisors

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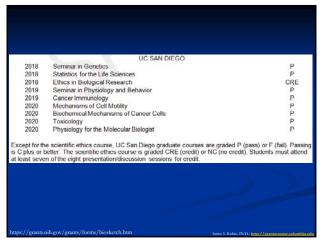


	cientific Appointments
2019 - 2020	Robertson Fellowship for Outstanding Graduate Students, Genetics Department, UC Sar Diego
2018 - Present	Graduate Research Assistant, UC San Diego
2016-2018	Lab Technician, University of Hawaii
2014 - Present	Member, Association for Women in Science
2014 - Present	Member, Sigma Xi
2014 - 2016	Diversity Supplement, National Institutes of Health
Honors	
2020	Virtual Poster Presenter, Genetics and Molecular Biology Meeting
2019	Poster Presenter, Advances in Cancer Research and Therapy Meeting
2018	Paula F. Laufenberg award for best senior project in the Biology Department, Purdue University
2014 - 2018	Scholarship, National Merit Scholarship Program
2014	Scholarship, Daughters of Hawaii Society

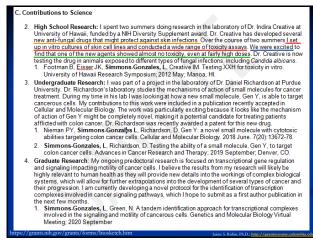
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"For each contribution, you may cite <u>up to four publications</u> or research products that are relevant to the contribution. If you are not the author of the product, indicate what your role or contribution was. Note that while you may mention manuscripts that have not yet been accepted for publication as part of your contribution, you may cite only published papers to support each contribution. <u>Research products can</u> <u>include</u> audio or video products... <u>conference proceedings</u> <u>such as meeting abstracts, posters, or other presentations;</u> <u>patents; data and research materials; databases;</u> educational aids or curricula; instruments or equipment; models; protocols; and software or netware. Use of hyperlinks and URLs to cite these items is not allowed."

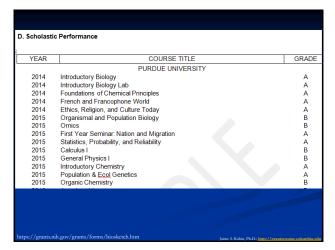
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