NIH BIOSKETCH AND SCIENCV

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The information in this presentation is current as of May 7, 2020.

OUTLINE

- Background on NIH biosketch
- Background on SciENcv
- SciENcv Live Demo
- Q&A
  - Questions can be submitted via chat at any time during the live webinar
  - After the webinar, questions can be submitted to navigate-research@umich.edu

NIH BIOSKETCH

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: Scott, Michael

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

POSITION TITLE: Professor of Cancer Biology

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)	END DATE MM/YYYY	FIELD OF STUDY
University of Iowa, Iowa City, Iowa	BS	05/1994	Biology
University of Michigan, Ann Arbor, Michigan	MD	08/2000	Cancer Biology
University of Michigan, Ann Arbor, Michigan	DOTH	08/2004	Pathology
University of Michigan, Ann Arbor, Michigan	Postdoctoral Fellow	08/2006	Colon Cancer
University of Michigan, Ann Arbor, Michigan	Other training	01/2009	Next-generation Sequencing

A. Personal Statement

The goal of the proposed research is to look at the effects of Drug Z on Gene A in individuals with colon cancer. Specifically, we plan to evaluate the effects of the drug on a Gene A knockout group of mice compared to a control group of mice and perform RNA-Sequencing to look at the differences in gene expression. I have the expertise, training, and skills necessary to successfully carry out the proposed work. I have been researching colon cancer for many years, focusing on the role of various genes. During my postdoc, I studied the role of REGγ in the development of colon cancer. More recently, I was a collaborator on an NIH grant that involved RNA-Sequencing to look at high-fat diets in mice and colon cancer; I conducted the RNA-Seq analysis for this project. I have taken a next-generation sequencing workshop, providing me with important knowledge that I incorporated into my proposed experimental design. This workshop also provided me with the background to better understand and interpret the RNA-Seq results. In summary, I have a demonstrated record of accomplished and productive research projects in the field of colon cancer research, and my expertise and experience make me well prepared for this project.

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B. Positions and Honors

Positions and Employment

2006 - 2008	Fellow, University of Michigan, Ann Arbor, MI
2009 - 2010	Lecturer, Department of Cancer Biology, University of Michigan, Ann Arbor, MI
2010 - 2012	Assistant Professor, Department of Cancer Biology, University of Michigan, Ann Arbor, MI
2012 -	Professor of Cancer Biology, Department of Cancer Biology, University of Michigan, Ann Arbor, MI

Other Experience and Professional Memberships

2006 -	Member, American Medical Association
2007 -	Member, American Association for Cancer Research
2013 -	Editor, Clinical Oncology Journal
2014 -	National Cancer Institute Initial Review Group Subcommittee Member, National Institutes of Health

Honors

2010	Outstanding Young Faculty Award, University of Michigan
2013	Excellence in Teaching Award, University of Michigan
2015	Provost's Teaching Innovation Prize, University of Michigan

C. Contribution to Science

1. My early research involved the development of a new model for studying colon and colorectal cancers. Mice with a knockout for the APC gene were crossed with mice expressing Cre recombinase in the colon. The resulting mice developed tumors in the colon, but not in the small intestine or cecum, allowing for more targeted research around colon and colorectal cancer treatment and prevention.

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D. Additional Information: Research Support and/or Scholastic Performance

WHAT ARE BIOSKETCHES?

- Communicate senior/key persons' suitability for their role(s) in a proposed project
- Required by many funders
  - National Institutes of Health (NIH)
  - National Science Foundation (NSF)
  - Agency for Healthcare Research and Quality (AHRQ)
- Like CVs; **however, unlike** CVs, biosketches:
  - Are contextualized to a single project
  - Have specific formats
  - Have a page/length restriction

WHAT ARE THE COMPONENTS OF AN NIH BIOSKETCH?

- Education/Training
- Personal Statement
- Positions/Honors
- Contribution to Science
- Research Support

PERSONAL STATEMENT: TIPS

Body

- Sell your role in the proposed research
- Consider including collaborators, scientific environment, and/or technical expertise
- Indicate if you have published under any alternate names
- Can describe manuscripts in preparation or under review

Citations

- No more than 4 citations
- Cite peer-reviewed articles, non-peer-reviewed articles, and/or research products
- Do not include manuscripts in preparation or under review as a citation

https://beckerguides.wustl.edu/c.php?g=299594&p=2000948

https://grants.nih.gov/grants/how-to-apply-application-guide/forms-e/general/g.240-r&r-seniorkey-person-profile-(expanded)-form.htm#Instructions

EXAMPLE PERSONAL STATEMENT: FROM NIH SAMPLE BIOSKETCH

"I have the expertise, leadership, training, expertise and motivation necessary to successfully carry out the proposed research project. I have a broad background in psychology, with specific training and expertise in ethnographic and survey research and secondary data analysis on psychological aspects of drug addiction. My research includes neuropsychological changes associated with addiction. As PI or co-Investigator on several university- and NIH-funded grants, I laid the groundwork for the proposed research by developing effective measures of disability, depression, and other psychosocial factors relevant to the aging substance abuser, and by establishing strong ties with community providers that will make it possible to recruit and track participants over time as documented in the following publications. In addition, I successfully administered the projects (e.g. staffing, research protections, budget), collaborated with other researchers, and produced several peer-reviewed publications from each project. As a result of these previous experiences, I am aware of the importance of frequent communication among project members and of constructing a realistic research plan, timeline, and budget. The current application builds logically on my prior work. During 2005-2006 my career was disrupted due to family obligations. However, upon returning to the field I immediately resumed my research projects and collaborations and successfully competed for NIH support. ."

http://grants.nih.gov/grants/forms/biosketch-sample_exp%2002-28-2023.docx

CONTRIBUTION TO SCIENCE: TIPS

Body

- Use plain language that is clear, concise, and organized
- No more than 5 contributions; ok to include fewer
- Can list contributions in any order (ex. chronological, relevance, etc)
- No longer than ½ page (including citations)
- Can describe manuscripts in preparation or under review

Citations

- No more than 4 citations per contribution
- Cite peer-reviewed articles, non-peer-reviewed articles, and/or research products
- Do not include manuscripts in preparation or under review as a citation.

https://beckerguides.wustl.edu/c.php?g=299594&p=2000976

https://grants.nih.gov/grants/how-to-apply-application-guide/forms-e/general/g.240-r&r-seniorkey-person-profile-(expanded)-form.htm#Instructions

EXAMPLE CONTRIBUTION TO SCIENCE: FROM NIH SAMPLE BIOSKETCH

"Methadone maintenance has been used to treat narcotics addicts for many years but I led research that has shown that over the long-term, those in methadone treatment view themselves negatively and they gradually begin to view treatment as an intrusion into normal life. Elderly narcotics users were shown in carefully constructed ethnographic studies to be especially responsive to tailored social support networks that allow them to eventually reduce their maintenance doses and move into other forms of therapy. These studies also demonstrate the policy and commercial implications associated with these findings."

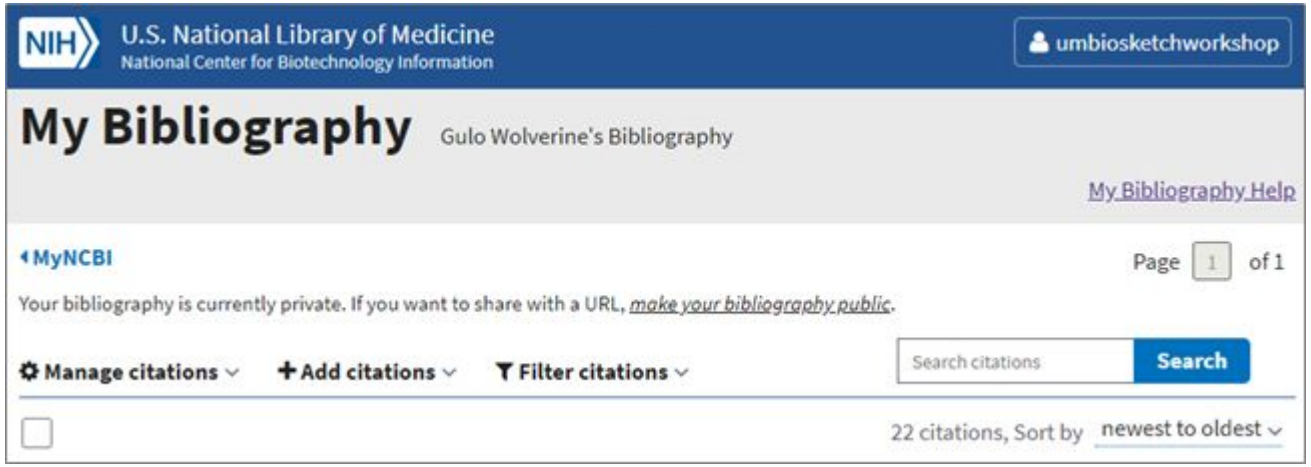
http://grants.nih.gov/grants/forms/biosketch-sample_exp%2002-28-2023.docx

WHAT ARE THE FORMATTING REQUIREMENTS OF AN NIH BIOSKETCH?

- Cannot exceed 5 pages
- Cannot have graphs, figures, tables, graphics, embedded files, or attachments
- Can include .gov url (ex. My Bibliography) for full list of publications
- Follow NIH grant guidance for font size, type, etc. (https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/format-attachments.htm)

MY BIBLIOGRAPHY

- Link to eRA Commons
  - see publication compliance
  - associate with awards
- Add citations:
  - PubMed
  - Manually
  - Upload file



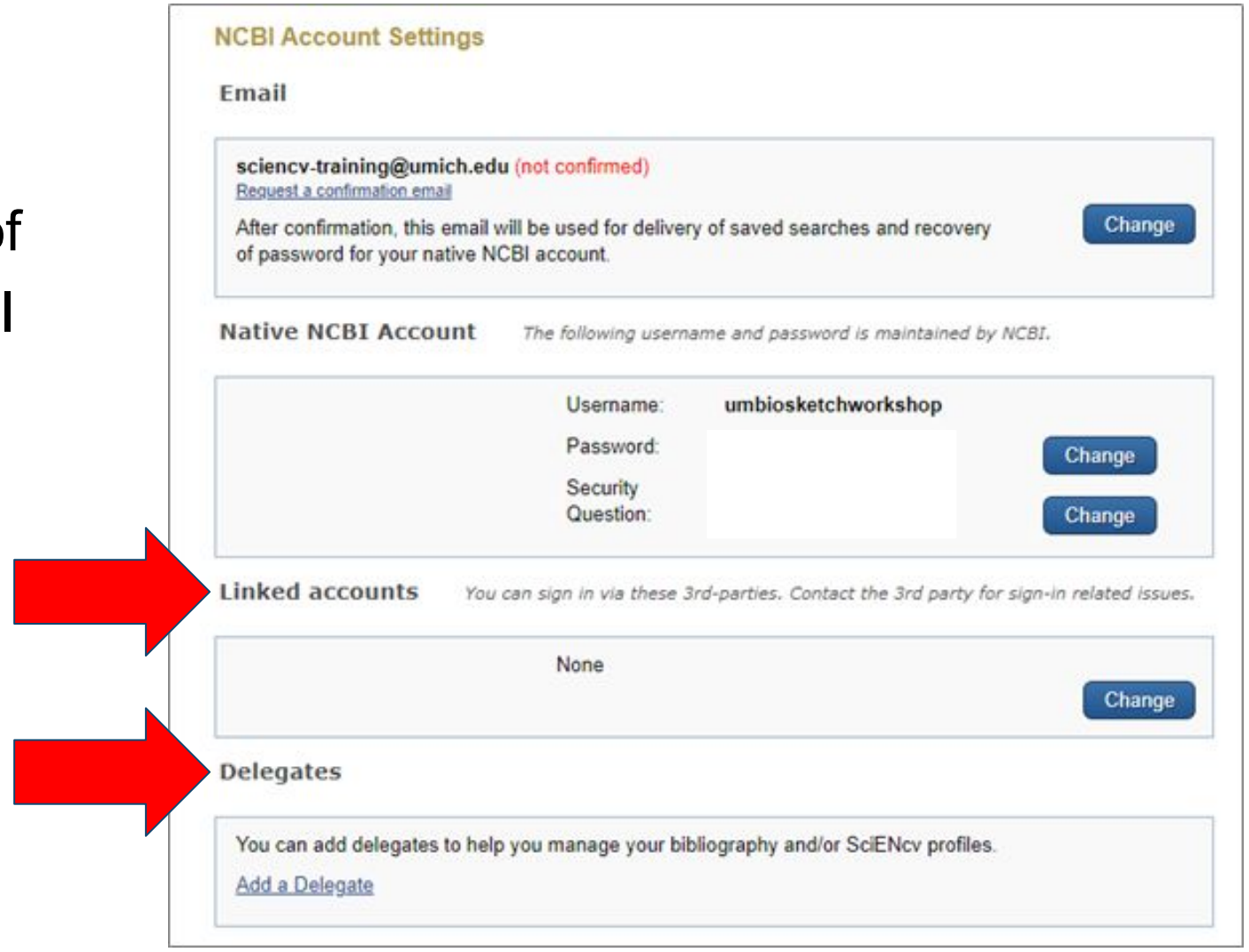
SCIENCV

WHAT IS SCIENCV? WHAT IS IT USED FOR?

- **Sci**ence **E**xperts **N**etwork **C**urriculum **V**itae
- Online tool created by NCBI
- Used to prepare, update, and modify biosketches
- Pulls information from external sources, such as:
  - My Bibliography
  - eRA Commons
  - ORCiD
- Link: https://www.ncbi.nlm.nih.gov/sciencv/

DELEGATES AND LINKED ACCOUNTS

Click on account name at top right of page to open NCBI Account Settings window.



RESOURCES

U-M RESOURCES

- Taubman Health Sciences Library's NIH Biosketch and SciENcv step-by-step handout (location to be announced after workshop)
- Taubman Health Sciences Library Research Guides
  - National Institutes of Health Public Access Policy: http://guides.lib.umich.edu/nihpublicaccesspolicy
  - Open Research and Contributor ID (ORCID): https://guides.lib.umich.edu/orcid
- Office of Research's NIH Specifics, Tips & Tricks: https://research.medicine.umich.edu/our-units/grant-services-analysis/pre-award/nih-specifics-tips-tricks

OTHER RESOURCES

- My Bibliography Documentation: https://www.ncbi.nlm.nih.gov/books/NBK53595/
- NIH Biosketch Format Pages, Instructions, and Samples: https://grants.nih.gov/grants/forms/biosketch.htm
- Washington University's Bernard Becker Medical Library Biosketch Research Guide: https://beckerguides.wustl.edu/NIH_Biosketch/biosketch
- UCSF's Biographical Sketch vs Other Support handout: https://osr.ucsf.edu/sites/osr.ucsf.edu/files/BIOSKETCH%20vs%20OTHER%20SUPPORT.pdf

GLOSSARY

- eRA Commons - online resource for accessing and sharing administrative information throughout entire grant life cycle.
- My Bibliography - online resource for storing citations, especially from PubMed. When linked to eRA Commons, can determine Public Access Policy compliance.
- My NCBI account - saves user information and NCBI database preferences; includes access to My Bibliography and SciENcv.
- ORCID - unique identifier for researchers; can connect professional information and activities to id.

SCIENCV DEMO

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