Life in Academia:

1) How to determine what institution type (R01 v liberal arts) is a best fit for you?

2) Opportunities and challenges (pros and cons) of being a faculty member?

3) What are the first few years as a new faculty member like?

4) How to maintain a commitment to teaching, when pushing hard on research?

5) How to manage life-work balance in academia?
NextProf: Science
The Faculty Search Process – Part 1: The application

1) What makes an application stand out? What is the search committee looking for?

2) Should I apply for every single job I'm eligible for, or only those jobs I’m most excited to have? How do I identify positions that match my qualifications?

3) How much is teaching valued when hiring faculty?

4) In the application, should I mention names of faculty I could potentially collaborate with? Should I contact them in advance?

5) How to design my social media (website, Twitter) to improve my job prospects?
Percent of U.S. Ph.D.’s who are Female

Field-specific ability beliefs
(higher numbers indicate greater emphasis on brilliance)
Percent of U.S. Ph.D.’s who are African American

Field-specific ability beliefs
(higher numbers indicate greater emphasis on brilliance)
Research Statements in STEM

Larissa Sano, Ph.D.
Sweetland Center for Writing
07-May 2019
Workshop Objectives

- Understand the function and form of research statements
- Critique examples
- Consider strategies for writing more effectively
What are Research Statements?

a.k.a: “research summary”, “statement of research plan,” “statement of research interests and plans,” etc.

Part of application packet for academic positions

Communicate what you have done, how your research contributes to your field, and in what direction you think your work will progress
Research statements have a specific audience, function, and form

Audience
- Mainly members of a search committee + departmental faculty

Function
- *Present* your area of research
- *Demonstrate* the importance of your work
- *Convince* audience of your research ability
- *Propose* your future research plan

Text: Short (2-3 pages), formatted in a way that enhances readability. Can have a longer version with more specifics.
Thinking like the Search Committee: What do they want to know?

What are your research interests and academic specialities?

What would you contribute as a faculty member and colleague?

What is your potential to develop your own research program?

How would you complement the mission of the department, school, and/or university?
Institutional Considerations

● Content and focus of your statement will differ depending on the institution
  ○ Research I university
  ○ Primarily Undergraduate Research Institutes

● Adjust scope of research endeavor, role of students, and importance of service to align with institution
Form of Research Statements

Form #1: Research statement as a description of your research and how it contributes to your field or discipline

Form #2: Research statement as a research proposal

Do you know what type of research statement is expected in your field? If in doubt, ask (your NextProf mentor, your PhD advisor, or the chair of the search committee)
Form #1: Situating your Research

1. Explain the relevance of your work (the “so what” question);
2. Identify the research problems or gaps in your field (i.e., situate your work - how does it fit in?);
3. Give context for your work esp. previous research;
4. Demonstrate your research accomplishments;
5. Identify your future research directions (next 3-5 years)
6. Note how you might engage students in your work (as needed)
7. Use Figures and Sources (as needed)
How might you organize Form #1?

Consider a Chronological Order

- Executive Summary/Overview (first paragraph)
  - Address: why is research important, what is approach, what are long-term goals,
- Graduate Research (by project)
- Postdoctoral Research (by project)
- Future Research (by project)

From Peter Fiske 1997
Form #2: Research Statement as Proposal

1. Identify the gap or problem that your research will address
   a. Gap: what remains unknown about your topic
   b. Problem: issue for which you are developing a solution (more common in engineering, computer science)

2. Propose research questions, research aims, or problem statements

3. Explain how you will answer these questions
How might you organize Form #2?

Background and Significance of your Research
  ○ What is known, what is not known

Project Plan
  ○ Objectives/Questions/Hypotheses
  ○ Aims/Questions/Hypotheses
  ○ General Methods

Importance/Impact of Proposed Work

Connection with University/College
Beyond form, Research Statements require you to explain the **Relevance** of your Work

Give context for why your work is important

Identify problems in your field that your work will address (what motivates it?)

Present some of the key questions or objectives for your work

Demonstrate your research ability, by highlighting your skills as well as key contributions and collaborations.
Examples - Research Statement
I am interested in the evolutionary processes that originate “mega-diverse” biotic assemblages and in the role of ecology in shaping the evolution of diversity across large temporal and spatial scales. Different evolutionary processes combine to generate extraordinary but unevenly distributed diversity across the tree of life. Why are some groups of organisms highly diverse, while closely related groups are exceedingly species poor or functionally conserved? How does adaptation affect diversification in highly diverse clades? For instance, many believe that adaptive radiation—the rapid diversification of an ancestor into ecologically and functionally specialized lineages—may explain the origin of large swaths of biodiversity. However, most classic examples of adaptive radiation represent relatively recent diversification events in island-like environments such as the Hawaiian archipelago or the east African Great Lakes. Whether adaptive radiations may explain the origin of widely distributed, comparatively older clades at continental scales remains much less explored. Moreover, if adaptive radiation can explain macroevolutionary divergence at these large scales, how does it happen? How long does it take? How do groups that undergo adaptive radiation differ from those that do not? And ultimately, whatever their pattern of divergence, how do long-coexisting clades coevolve into the hyper diverse continental systems we see in regions like the Amazon or Central Africa?

My program addresses these and related questions by studying the evolution of Neotropical freshwater fishes, the most diverse freshwater fish fauna on earth, with an estimate exceeding 8,000 species in 43 endemic families or subfamilies. Despite representing approximately 10% of vertebrate diversity, our understanding of the evolutionary history of Neotropical freshwater fishes is remarkably limited. I argue that this fauna provides an exceptional system to address fundamental questions about evolutionary processes resulting in megadiverse assemblages at continental scales through deep evolutionary time.
Macroevolution of Neotropical cichlids - My lab uses phylogeny-based comparative methods to analyze the patterns and rates of evolution of lineages and phenotypes of cichlids and of Neotropical freshwater fishes. We perform comparative analyses on phenotypic traits including ecologically relevant morphometric characters (ecmorphology), biomechanical and functional morphological measures of performance (feeding and swimming), body size, habitat, diet data and life history traits to understand adaptive diversification along multiple dimensions of cichlid ecology. So far, our analyses have shown that at least two major Neotropical clades originated following patterns compatible with “ancient adaptive radiation” (López-Fernández et al. 2013, *Evolution*). Diversification in the South American tribe Geophagini resulted in highly disparate lineages spanning a vast portion of total cichlid morphological and functional diversity, while limiting diversification in other coexisting cichlid clades. Subsequent colonization of Central America by the tribe Heromini resulted in a second episode of adaptive divergence largely convergent with that of South American Geophagini (López-Fernández et al. 2013 *Evolution*, Arbor & López-Fernández 2016 *Proc.Roy.Soc.B*). Altogether, our work indicates that these radiations occurred along axes of feeding and swimming specialization (López-Fernández et al. 2013 *Evolution*, Arbor & López-Fernández 2013 *Proc.Roy.Soc.B*, 2014 *J.Evol.Biol.*, Astudillo-Clavijo et al. 2015 *BMC Evol.Biol.*). We are also linking measures of ecological performance such as diet and habitat use with functional morphological attributes of cichlids at macroevolutionary scales (Arbour et al. *Evolution* In Revision, Astudillo-Clavijo et al. In prep.). We have shown that, in Neotropical cichlid radiations, ecological opportunity was associated with accelerated rates of phenotypic divergence (Arbour & López-Fernández 2016 *Proc.Roy.Soc.B*). In the two subclades of Geophagini, divergence was dominated by substrate sifting (López-Fernández et al. 2014 *PLoS ONE*) and by innovations for fast jaw movement and predation (Arbour & López-Fernández 2013 *Proc.Roy.Soc.B*, 2014 *J.Evol.Biol.*). Other dimensions of adaptive divergence we are analyzing include body size variation (Steele & López-Fernández 2014 *PLoS ONE*) and structural changes in vision proteins (Schott et al. 2014 *Mol.Biol.Evol.*, Hauser et al. In prep.). Extensive convergence among clades of Neotropical cichlids occurred along distinct functional axes (e.g. feeding biomechanics, swimming morphology) and resulted in various convergent adaptive optima or peaks (Arbour & López-Fernández 2014; Astudillo-Clavijo et al. 2015). We are currently exploring whether patterns of convergent evolution observed in one dimension (e.g. diet) are correlated with adaptive peaks in other functional dimensions (e.g. swimming). Ultimately, I would like to address the adaptive diversification of cichlids from a perspective of multidimensional adaptive landscapes in which optima for each axis are represented simultaneously. Such an approach would allow integrating major functional axes of divergence into a holistic picture of ecological specialization and trade-offs during adaptive radiations.
Research Statement

The metabolic consumption and byproducts of microscopic and macroscopic organisms has continually changed the chemistry of our planet, which in turn has both stimulated and limited the adaptive landscape that life can explore. This intimate relationship between geology, chemistry, and biology also forms a powerful tool that we can harness to understand the history of life and environments on Earth—as life impacts the geochemistry around it, organisms are leaving enigmatic clues of their presence and activity. Therefore, my research is driven by one of the fundamental questions in Geobiology: how can we identify and interpret the record of life and its impact on the environment preserved in sediments and rocks?

I argue that a multi-faceted approach is required to understand the complexities of the interface between geology and biology. A critical problem in studying ancient sediments, especially preserved in deep-time Archean and Proterozoic basins, is distinguishing between primary signals and secondary overprints acquired from late-stage diageneis, hydrothermal fluids and metamorphism. I use microscale and nanoscale techniques to extract original information from Precambrian rocks. Then to decipher the primary clues left by early life, it is necessary to study modern biogeochemical processes, especially the preservable mineral precipitates generated as a result of specific microbial activities. This is best accomplished by combining laboratory experiments to understand processes on a mechanistic level and modern field analogues to probe similar natural and complex environments.

I apply these integrated approaches using a variety of spectroscopic and microscale imaging tools including scanning electron microscopy and energy dispersive spectrometry, synchrotron X-ray spectrocropy and spectroscopic imaging, and X-ray diffraction. I also lead a question-motivated, collaborative lab that links modern microbe-mineral interactions to the ancient mineral record, focusing in particular on two key elements in geobiological cycles throughout Earth history: iron and manganese. Both of these elements are essential cofactors for crucial biological processes such as electron transport and photosynthesis, and redox transitions of iron and manganese lead to sequestration or release of toxins and trace metals. These redox reactions are often mediated by microbes, tying the Fe and Mn cycles to the carbon and oxygen cycles, and there is much to explore about how these elements cycle under different environmental conditions and how and when branches of these elemental cycles evolved. Not only will understanding the redox cycling of iron and manganese better constrain our current environmental system, but Fe and Mn also were also more prevalent in Earth’s Precambrian oceans and likely critical electron donors and acceptors for early life.

Previous Research

Manganese: Minerals, Microbes, and the Evolution of Oxygenic Photosynthesis

My PhD thesis centered on the interactions between manganese minerals and unraveling ancient microbial activity. Deep-time manganese deposits can elucidate palo-environmental aqueous chemistry and oxidizing potential. Manganese oxidation today only occurs using oxygen or related species like reactive oxygen species, except in cyanobacteria, algae, and plants, where Mn⁶⁺ is oxidized prior to water oxidation. This exception forms the basis of an evolutionary hypothesis that predicts Mn⁶⁺ was an electron donor for photosynthesis before oxygenic photosynthesis. In the first portion of my thesis, I examined ancient manganese-enriched marine sediments from 2.42 billion years ago (Ga), just prior to the appearance of atmospheric oxygen (around 2.3 Ga). I used microscale spectroscopic measurements and imaging to show that the manganese was deposited as part of the original sediments – although it had been reduced during early diageneis (Johnson et al., 2013). I also tested proxies for oxygen (multiple sulfur isotope fractionation and redox-sensitive detrital pyrite and unrunite grains) and confirmed that no significant environmental oxygen was present (Johnson et al., 2013; Johnson et al., 2014). Therefore, the manganese deposition at 2.42 Ga is evidence for the hypothesized transitional photosystem between early anaerobic phototrophs and oxygen-producing cyanobacteria.
Dr. Jena Johnson, Assistant Professor
EES - University of Michigan

Research Statement
The metabolic consumption and byproducts of microscopic and macroscopic organisms has continually changed the chemistry of our planet, which in turn has both stimulated and limited the adaptive landscape that life can explore. This intimate relationship between geology, chemistry, and biology also forms a powerful tool that we can harness to understand the history of life and environments on Earth—as life impacts the geochemistry around it, organisms are leaving diagnostic clues of their presence and activity. Therefore, my research is driven by one of the fundamental questions in Geobiology: how can we identify and interpret the record of life and its impact on the environment, preserved in sediments and rocks?

I argue that a multi-faceted approach is required to understand the complexities of the interface between geology and biology. A critical problem in studying ancient sediments, especially preserved in deep-time Archean and Proterozoic basins, is distinguishing between primary signals and secondary overprints acquired from late-stage diagenesis, hydrothermal fluids and metamorphism. I use microscale and nanoscale techniques to extract original information from Precambrian rocks. Then to decipher the primary clues left by early life, it is necessary to study modern biogeochemical processes, especially the highly structured mineral precipitates generated as a result of microbial activity. This is best accomplished by combining laboratory experiments to understand processes on a mechanistic level and modern field analogues to probe similar natural and complex environments.

I apply these integrated approaches using a variety of spectroscopic and microscale imaging tools including scanning electron microscopy and energy dispersive spectrometry, synchrotron X-ray spectroscopy and spectroscopic mapping, Raman spectroscopy, and X-ray diffraction. I intend to lead a question-driven, collaborative lab that links modern microbial-mineral interactions to the ancient mineral record, focusing in particular on two key elements in geobiological cycles throughout Earth's history: iron and manganese. Both of these elements are essential cofactors for crucial biogeochemical processes such as electron transport and photosynthesis, and redox transitions of iron and manganese lead to sequestration or release of toxins and trace metals. These redox reactions are often mediated by microbes, tying the Fe and Mn cycles to the carbon and oxygen cycles, and there is much to explore about how these cycles evolve under different environmental conditions and how and when branches of these elemental cycles evolved. Not only will understanding the redox cycling of iron and manganese better constrain our current environmental system, but Fe and Mn also were also more prevalent in Earth's Precambrian oceans and likely critical electron donors and acceptors for early life.

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Paragraph 1: Identifies big issue in the field, presents question (@ power position)

Paragraph 2: Presents details for how she will tackle the big issues identified in paragraph 1

Paragraph 3: Demonstrates analytical tools she has to generate data to answer problems

Paragraph 4: Reviews previous research, PhD Notes: use of first person (“I argue”, “I apply”, “I intend”); analytical techniques; MI specific section
Form #2: Research Statement as Research Proposal

Example: Modified Research Statement BioMedical UCSF

What are the different sections of this statement?

Where is the research gap identified?

What questions does the researcher seek to answer?

Research Statement: Immune-mediated regulation of disease B.

Disease CD (DCD) is a lethal childhood disease, which is caused by mutations of the legolas gene\(^1\). Legolas deficiency renders the cell type a membrane susceptible to contraction-induced injury\(^2\), leads to loss of ambulation by adolescence and death by the 2\(^{nd}\) - 3\(^{rd}\) decade of life. Currently, no cure exists for DCD and therapies are limited to corticosteroids that broadly suppress the immune response to injured tissue type a, implicating chronic inflammation as an important determinant of disease severity. Perturbations of the immune system in abc mice, a mouse model of DCD, have shown that the immune system contributes to the pathogenesis of DCD by exacerbating tissue type adamage\(^3\). However, the inflammatory response to injury is also critical in mediating tissue type a regeneration\(^4\). This dichotomous role for the immune system can be partly explained by distinct subsets of immune cells that either exacerbate tissue injury or promote repair. For instance, Cell type b (CTB) that are induced by pro-inflammatory cytokines such as Cytokine 1 and Cytokine 2 promote cell type e injury\(^5\). In contrast, other type cytokines such CYTOKINE 3, CYT 4 and CYT 5 induce Cell type c (CTC), which antagonize the action of Cell type b via an arginase-dependent mechanism\(^6\). Recent studies indicate that Cell type F and Cell type G (CTG) both have the capacity to modulate the activation status of Cell type d\(^6,7\). Moreover, we found that modulation of these lymphoid populations in abc mice regulates the severity of disease B. However, whether these populations directly regulate tissue type a injury and repair, or indirectly through the modulation of tissue type a cell type d activation during disease d remains to be addressed.

Research strategy: During the first 3 5 years of operation, my lab will focus on investigating the functional role of Cell type F and Cell type G during disease d using a combined expertise in immunology and tissue type a physiology. We will use mouse genetics, histological assays, cellular and molecular techniques, gene expression profiling methods, single cell analysis using various flow cytometry platforms, and tissue type a performance tests to study Cell type F and Cell type G in tissue type a disease. We will modulate Cell type F and CTG numbers or functionality at various stages of disease using mouse genetics and pharmacological approaches to test the hypothesis that Cell type F and CTG function cooperatively to suppress the pro-inflammatory response to injured tissue type a, decrease cell type e injury and promote tissue type a regeneration. To examine the translational implications of our basic research we will examine human tissue type a biopsies using histological and biochemical assays to examine the activation and functional state of tissue type a Cell type F and Cell type G in DCD and healthy patients. In later years my lab will begin to address whether the preliminary observations regarding Cell type F and CTG function in DCD are specific to this disease or are a generalized inflammatory response to injured tissue type a that extend to other tissue type a diseases. This would allow us to assess whether the therapeutic implications of our work are applicable to a broader class of tissue type a disease. We will define the direct and indirect mechanisms by which Cell type F and Cell type G regulate tissue type a injury and repair during tissue type a diseases by addressing the following specific aims:

Aim 1. To test the hypothesis that Cell type F-derived CYT 5 suppresses tissue type a inflammation.
Why might you use Figures or Graphs?

Figure 5. Step-wise spliceosome assembly. Adapted from Reference 18.

Figure 7. (A) Schematic of 3-color FRET instrument. A heating laser is used to initiate a T-jump inside a single, adhered cell on a microscope stage. The 3-color FRET labeled protein’s donor is excited inside the cell with a white LED and a camera is used to simultaneously detect changes in donor, D, and acceptor, A, fluorescence averaged over the entire cell as they respond to temperature perturbation. (B) Thermodynamics and kinetics extracted from temperature induced dissociation of U170K-SL1

From Caitlin Mearns Marlatt Davis
First paragraph - hardest + most important

“Power positions” - beginning of piece and end of piece; start of sentence

If having a hard time starting, then move to other sections of your piece

Revisit your introduction again and again and determine if or how it frames your research statement and research approach
Creating Strong Sentences

● Sentence length: shorter ones are often easier to read
● Pay attention to the subject of a sentence: these establish what the sentence (+ even paragraph) is about
● Subject-verb separation: avoid too much distance between the subject and the verb of the main clause
● Connections - look for ways to connect sentences, i.e., how are they related, how do they build on each other?
I am interested in the evolutionary processes that originate “mega-diverse” biotic assemblages and in the role of ecology in shaping the evolution of diversity across large temporal and spatial scales. Different evolutionary processes combine to generate extraordinary but unevenly distributed diversity across the tree of life. Why are some groups of organisms highly diverse, while closely related groups are exceedingly species poor or functionally conserved? How does adaptation affect diversification in highly diverse clades? For instance, many believe that adaptive radiation—the rapid diversification of an ancestor into ecologically and functionally specialized lineages—may explain the origin of large swaths of biodiversity. However, most classic examples of adaptive radiation represent relatively recent diversification events in island-like environments such as the Hawaiian archipelago or the east African Great Lakes. Whether adaptive radiations may explain the origin of widely distributed, comparatively older clades at continental scales remains much less explored. Moreover, if adaptive radiation can explain macroevolutionary divergence at these large scales, how does it happen? How long does it take? How do groups that undergo adaptive radiation differ from those that do not? And ultimately, whatever their pattern of divergence, how do long-coexisting clades coevolve into the hyper diverse continental systems we see in regions like the Amazon or Central Africa?

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Writing clearly and concisely

- Too many words distract from those that really matter
- Eliminate filler words (actually, quite, essentially, much, very, several, really, etc.)
- Use active verbs
- Pay attention to word choice, use a thesaurus
- Remove unnecessary words and phrases (there are many papers stating…. It was observed that…. It has been found that....)
Getting Feedback about your Statement

You will need at least one outside perspective about your statement (you are too close to it!)

Use NextProf Mentors to get advice about content and how well material “engages” them

Ask adviser (or someone equivalent) for feedback on content such as presentation of research problems, driving questions, contribution, etc.

Ask peers for feedback on readability, prose, etc.
Proofread carefully

- Print out a hard copy (essential)
- Read each sentence out loud
- Check for typos, grammatical errors, long sentences
- Have a peer or colleague also read the final draft
Pulling it all together: Final Checklist

Content
- Is the research described important? Is it new? Will it produce important contributions to its field?
- Is the research program “just right” in scope? Not too narrow? Not too broad?
- Are there enough details about the research plan to be convincing?
- Is there a balance of individual work plus potential for collaboration?

Form
- 2-3 pages in length, a useful figure as needed, references as needed
- Clear and logical in layout, includes sections focused on themes
- Is there flow within and between paragraphs? Are sentences easy to read?
- Did you get feedback on the content and form?
Helpful Resources

University of Pennsylvania Career Services
Carleton College Career Preparation
University of Washington Academic Careers Research Statements
UCSF Office of Career Development


Questions?
NextProf: Science
Welcome to Next Prof

Welcome to LSA
“I have seen more of my colleagues in three days than I had in three years at Kraus.”

“BSB is so light and open. It encourages interaction and cooperation. Kraus was a cave.”
LSA-UMMNH Partnership
PUBLIC ENGAGEMENT AND BROADER IMPACTS
Biological Science Initiative

- $150 million investment over 5 years
- 30 new faculty positions
- LSA’s large projects funded so far....
  - Institute for Global Change Biology
  - Expanding Natural Products Drug Discovery
  - RNA Biomedicine
  - Cryo-Electron Microscopy
  - Biomolecular Nuclear Magnetic Resonance Core
  - Mass Spectrometry Core
DIVERSITY, EQUITY, and INCLUSION

Be Heard. Be Informed. Be Involved.
Collegiate Fellows Program

- Early career scholars whose research, and/or teaching, and/or service contribute to diversity, equity, and inclusion in higher education.
- 2 year fellowship
- Fellows are expected to transition to a tenure track faculty position after a review process.
LUIS ZAMAN
LSA Collegiate Fellow
Ecology and Evolutionary Biology;
Center for the Study of Complex Systems
CAMILLE AVESTRUZ
LSA Collegiate Fellow
Physics
LSA Collegiate Fellows Program
Thanks. Questions?
NextProf: Science
Developing a Teaching Philosophy Statement

Nicole Tuttle, Ph.D.
Assistant Director
Center for Research on Teaching and Learning
Goals for this workshop

• Review best practices for teaching statements

• Engage with a rubric for evaluating teaching statements

• Critique a sample statement
Do you need a teaching statement?

To apply, candidates should upload a cover letter, curriculum vitae, research and teaching statements, and pdf’s of three of their most important publications (all in a single PDF file)...

In addition, send your cover letter, CV, a brief statement of teaching philosophy, recent syllabi, teaching evaluations, and three references to...

In addition to applying online applicants are requested to send a cover letter, current curriculum vita, evidence of clinical teaching experience (philosophy of teaching statement), three letters of professional recommendation...
Teaching Statement Rubric

1. Goals for student learning
2. Enactment of Goals (Teaching Methods)
3. Assessment of goals
4. Creating an inclusive learning environment
5. Structure, rhetoric, and language
Evaluate a sample statement

1. Read the sample philosophy on your table.

1. Evaluate the philosophy using the rubric
Evaluate a sample statement

Based on the rubric provided, rate the goals for this teaching philosophy.

- Excellent (green)
- Needs some revision (yellow)
- Unsatisfactory (red)
Evaluate a sample statement

At tables, discuss:

What was most and least effective about this teaching philosophy?
Next Steps & Resources

http://tiny.cc/tpresources
For more information

Nicole Tuttle
ntuttle@umich.edu

www.crlt.umich.edu
NextProf: Science
The Faculty Search Process – Part 2: On-campus Interview

1) Best strategies for the interview (meeting with faculty, students, and the job talk)?

2) What is the difference between an interview talk and a seminar/conference talk? (and what is a chalk talk?)

3) What questions should I ask in a phone/Skype interview? What should I wait to ask later?

4) How much time should be spent presenting future projects in a job talk?

5) After the interview, should I send an email to thank those I met?
NextProf: Science
Outreach/Diversity/Inclusion

1) How to be a positive force for enhancing diversity and inclusion at my institution?

2) Strategies to overcome stereotypes and unfair treatment of underrepresented groups in the sciences in academia?

3) How to balance outreach activities and teaching/research duties?

4) How can I enhance diversity as someone who is not from an underrepresented group?

5) How do I write an effective diversity statement?
NextProf: Science
Demonstrating Your Commitment to Diversity:
The Diversity Statement
Ongoing Collaboration

Other contributors:
Laura Schram, Rackham Graduate School
Nicole Tuttle, Center for Research on Learning and Teaching
In our time today...

- Review best practices for writing diversity statements
- Reflect on your personal contributions to diversity, equity and inclusion
- Evaluate a sample diversity statements using the provided rubric
- Open Discussion
Benefits of Writing a Diversity Statement

- Changing Job Landscape
- Self Reflection
- Faculty job packets
- Interviews
  - For faculty positions (with hiring committees, students)
  - For non-faculty positions
Best Practices and What to Avoid

(+) ▪ Read the organization’s diversity or mission statement
▪ Reflect upon your own experiences
  – How have YOU brought together people of diverging perspectives?
▪ Personal perspective and awareness
▪ Commitment to learning
▪ Have examples in your cover letter and resume

(-) ▪ Savior complex
▪ Assuming it’s just racial diversity
▪ Diversity by osmosis, e.g. my partner is African American
▪ Rejecting the premise of DEIJ as important outright
▪ Using language you don’t know
▪ Relying too much on an identity
▪ Not being self aware
Do I share my personal identities?

- If you aren’t comfortable, you have no obligation to share your personal identities (gender, ability, sexual orientation, race, nationality, etc.)

- If you are comfortable, personal experiences and identities need to be related to your contributions and commitments and how it pertains to the position
Reflection time!

Complete the “Reflecting on Your Practice” Handout
Diversity Statement Rubric

See the Diversity Statement holistic rubric handout with 5 categories:

1. Understanding of DEI in Higher Education
2. Research
3. Teaching and Mentoring
4. Collaboration and Leadership
5. Service and/or Engagement
Sample Diversity Statement

• Read the sample diversity statement
• Use the rubric to comment on strengths and areas for improvement
Discussion
NextProf: Science
Negotiating and Interpreting the Job Offer:

1) When does one tactfully inquire about, and successfully negotiate, salary and benefits?

2) What are helpful strategies for negotiating an individual's faculty package?

3) What is standard (vs ideal) (vs terrible) when it comes to start up packages?

4) How to evaluate the institution, once an offer is made?

5) What is the best way to deal with the "two body problem" when interviewing for an academic job?
NextProf: Science