Dofino Glob	Competency 1: al Health and explain what constitutes Global Health research
Learning Objective 1A:	Readings:
Develop a personal definition of global health.	1) Koplan, JP et al. (2009). <u>Towards a common definition of global health</u> . <u>Lancet 373</u> , 1993–95.  2) Farmer, P, Kleinman, A, Kim, J, Basilico, M (2013). <u>Preface</u> . In <u>Reimagining Global Health: An Introduction</u> (pp. xiii-xxiii). Univ of California Press, Berkeley.  3) Hunter, DJ, & Fineberg, HV (2014). <u>Convergence to Common Purpose in Global Health</u> . <u>N Engl J Med, 370</u> , 1753-1755.  Artifacts:
	If someone were to ask you, "what do you mean by the term 'global health', how would you respond? After reading the assignments, provide a brief essay (i.e. < 1 page) that states your preferred definition of global health from your understanding of the referenced articles and other literature.
Learning Objective 1B: Explain the concept of 'global health' research.	Readings:  1) Glass, RI (2013). What the United States has to gain from global health research. J of the American Med Assoc, 310(9).  2) Alumni Essays  3) Fogarty International Center. Global Health Research Topics (2015). Retrieved from http://www.fic.nih.gov/ResearchTopics/Pages/default.aspx  Artifacts:  After reading two key assignments and browsing the list of Fogarty Global Health Research Topics, provide a brief essay (i.e. < 1 page) that states your own working definition of global health research.
Learning Objective 1C: Cite common references, textbooks, and compendia on global health.	Readings: 1) Alumni References List  Artifacts: After reviewing the list of references, provide a brief essay (i.e. ≤ 1/2 page) pointing out 2-3 overall references on Global Health (from noted resources or from the your own experience) that are personal favorites (i.e. a starting place where you might refer a student who was looking for a better understanding of global health).
Prompts for Competency 1 Grou	p Discussion:

- How is global health different from international health?
- Can domestic research be considered global research?
- What misconceptions do people have about global health and how do you respond to them?

	Competency 2:
Lagraina Objective 24	Know the major trends in Global Health research
Learning Objective 2A: Understanding research	Readings: Review the Research Theme Reading List.
themes around the following	Review the Research Hierie Reading List.
major global health areas: HIV,	Artifacts:
TB, Malaria; Maternal & Child	After reading at least one article from each section, provide a brief essay (< 2 pages) on a
Health; Neglected Tropical	research question that you would personally be motivated to pursue (i.e. from the
Disease; Chronic NCD; Diseases	readings, is there a frontier in global health research that excites or intrigues you? Why?
in Traveler's & Migrating	This should be different, but could be related to, your current research project.)
Populations.	
Learning Objective 2B:	Readings:
Explain what is meant by the	1) World Health Organization. <u>Backgrounder 3: Key Concepts</u> In <u>Social</u>
concept 'social determinants of	<u>Determinants of Health</u> .
health'.	2) Marmot, M (2006). <u>Health in an unequal world</u> . <u>Lancet 368</u> , 2081-94.
	Artifacts:
	After reading key articles listed in the reference section for Competency 2, provide a
	brief essay (< 1 page) in which you identify the disease process you are currently
	researching and list the major social determinants that contribute to the disease
	process. (Alternatively, you may instead write the essay on the essay topic you
	submitted for 2A).
Learning Objective 2C:	Readings:
Describe the concepts of	1) Review the Global Burden of Disease Report Country Profile for the country
population health and global	where your research will occur: Institute for Health Metrics and Evaluation
burden of disease. How are	(2013). Retrieved from <a href="http://www.healthdata.org/gbd">http://www.healthdata.org/gbd</a> 2) Pollydy, TJ. Myrray, C. & Katas, J. (2013). February). The Clobal Burden of
these used to inform policy?	2) Bollyky, TJ, Murray, C, & Kates, J (2013, February). The Global Burden of Disease and its Implications for U.S. Policy. Presented at Council on Foreign
	Relations . Retrieved from www.cfr.org/world/global-burden-disease-its-
	implications-us-policy/p30043
	3) Waage et al. (2010). The millenium development goals: A cross-sectoral
	analysis and principles for goal setting after 2015. Lancet 376, 991-1023.
	4) Lim et al. (2012). A comparative risk assessment of burden of disease and
	injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990–2010: A systematic analysis for the Global Burden of Disease Study 2010. Lancet
	380, 2224-2260.
	Artifacts:
	In a brief essay (less than 2 pages) reflect on these questions:
	1) How does your research topic fit into the concept of population health and/or
	relate to the millennium development goals?
	2) If you were a policy-maker and read these reports, which priority areas would you fund in your country?
	3) How can researchers use data to influence policy?
	a, san researches ase data to initiative policy.
Learning Objective 2D:	Readings:
Describe the concepts of	1) Travis, P, et al. (2004). Overcoming health-systems constraints to achieve the
Capacity Building & Health	Millennium Development Goals. Lancet 364, 900-906.

Systems Strengthening.	2) Boozary AS, Farmer PE, & Jha AK (2014). <u>The Ebola Outbreak, Fragile Health</u>
	Systems, and Quality as a Cure. J American Med Assoc 312(18), 1859-1860.
	3) Crisp, B, Swerissen, H, & Duckett, SJ (2000). Four approaches to capacity
	building in health: consequences for measurement and accountability. Health
	<u>Promotion Intl, 15(2), 99-107.</u>
	4) Crisp, LN (2011). Global health capacity and workforce development: Turning
	the world upside down. Infect Dis Clin N Am, 25, 359-367.
	Artifacts:
	Provide a brief essay (< 1 page) describing how health systems could be
	strengthened in the geographical region where you are working.
Learning Objective 2E: Explain	Readings:
implementation Science.	1) El-Sadr, WM, Philip, NM, Justman, J (2014). Letting HIV Transform Academia —
	Embracing Implementation Science. N Engl J Med, 370(18), 1679-1681.
	2) Fogarty International Center (2013). Frequently Asked Questions about
	Implementation Science. Retrieved from
	http://www.fic.nih.gov/News/Events/implementation-science/Pages/faqs.aspx
	3) Fogarty International Center (2014). Scientists must transfer findings to
	practice more quickly. Retrieved from
	http://www.fic.nih.gov/News/GlobalHealthMatters/march-april-
	2013/Pages/implementation-science-policy.aspx
	2015) Tuges/ Implementation solence policy tusps
	Artifacts:
	Provide a brief essay (< 1 page) of how a scientific finding in the content topic of
	your research would be a good example of implementation science (or
	alternatively, where is a gap in implementation science as it pertains to your
	research topic).
	100001011000101
Dramata for Compatancy 2 Cray	- Discussion

#### **Prompts for Competency 2 Group Discussion:**

- What impact did the health systems in Africa have on the spread of Ebola?
- How can researchers build capacity to prevent future outbreaks from occurring?
- Do researchers in LMIC countries view capacity building differently than researchers from high-income countries? What are the implications of differing views on capacity building?

#### **Guest Lecture on Implementation Science**

	Competency 3:
Identify organization	s funding global health research and the pathways to achieving support
Learning Objective 3A:	Readings:
Identify Funding Opportunities	1) National Institute of Allergy and Infectious Diseases (2014). New Investigator
for Global Health Research.	Guide to NIH Funding. Retrieved from
	http://www.niaid.nih.gov/researchfunding/grant/pages/newpiguide.aspx#new18
	2) Review the "Sample NIH Funding Opportunity Announcement (FOA)" on our
	consortium website.

	3) Fogarty International Center (2015). Fogarty Funding Opportunities – Dates and Deadlines. Retrieved from <a href="http://www.fic.nih.gov/Funding/Pages/Fogarty-Funding-Opps.aspx">http://www.fic.nih.gov/Funding/Pages/Fogarty-Funding-Opps.aspx</a>
	Artifacts:  1) Using the Sample NIH FOA on our website, answer these questions:  • What areas of research does this institute fund?  • Is this FOA meant for new investigators or PI's with experience?
	<ul> <li>How much money can you request each year?</li> </ul>
	Who would you contact with questions?
	What documents are required for this application?
	2) Identify at least one funding opportunity that you would be eligible to apply for. Create a PDF of the funding opportunity and review it with your mentorship team or the Program Manager.
Learning Objective 3B:	Readings:
Understand the NIH structure	1) National Institutes of Health (2013). The NIH Almanac. Retrieved from
and approaches to obtaining	http://www.nih.gov/about/almanac/organization/index.htm
NIH funding.	2) National Institutes of Health (2014). Peer Review Process. Retrieved from
	http://grants.nih.gov/grants/peer_review_process.htm  2) National Institutes of Health (2012). Types of Crant Programs. Betrieved from
	3) National Institutes of Health (2013). Types of Grant Programs. Retrieved from <a href="http://grants.nih.gov/grants/funding/funding_program.htm">http://grants.nih.gov/grants/funding/funding_program.htm</a>
	nttp.//grants.nin.gov/grants/funding/funding_program.ntm
	Artifacts:
	Artifacts:  1) In a Word Document identify:
	1) In a Word Document identify:
	<ul><li>1) In a Word Document identify:</li><li>Which NIH Institute funds your research area?</li></ul>
	1) In a Word Document identify:
	<ul> <li>1) In a Word Document identify:</li> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the</li> </ul>
Learning Objective 3C:	<ul> <li>1) In a Word Document identify: <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for</li> </ul>
Learning Objective 3C: Describe non-NIH funding	<ol> <li>In a Word Document identify:         <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> </ol>
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Describe non-NIH funding entities and their approach to	<ul> <li>1) In a Word Document identify:         <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> <li>Readings:         <ul> <li>National Institutes of Health (2015). Non-NIH Funding Opportunities – Grants and Fellowships. Retrieved from <a href="http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx">http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx</a></li> </ul></li></ul>
Describe non-NIH funding entities and their approach to	<ul> <li>1) In a Word Document identify: <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> </ul> <li>Readings: <ul> <li>National Institutes of Health (2015). Non-NIH Funding Opportunities – Grants and Fellowships. Retrieved from <a href="http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx">http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx</a></li> </ul> </li> <li>Artifacts:</li>
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Describe non-NIH funding entities and their approach to	<ul> <li>1) In a Word Document identify: <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> </ul> <li>Readings: <ul> <li>National Institutes of Health (2015). Non-NIH Funding Opportunities – Grants and Fellowships. Retrieved from <a href="http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx">http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx</a></li> </ul> </li> <li>Artifacts: <ul> <li>List 3 non-NIH funding opportunities that you could be eligible for. Look at organizations such as:</li> </ul> </li>
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Describe non-NIH funding entities and their approach to	<ul> <li>1) In a Word Document identify: <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> </ul> <li>Readings: <ul> <li>National Institutes of Health (2015). Non-NIH Funding Opportunities – Grants and Fellowships. Retrieved from <a href="http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx">http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx</a></li> </ul> </li> <li>Artifacts: <ul> <li>List 3 non-NIH funding opportunities that you could be eligible for. Look at organizations such as: <ul> <li>Gates Foundation</li> <li>Wellcome Trust</li> </ul> </li> </ul></li>
Describe non-NIH funding entities and their approach to	<ul> <li>1) In a Word Document identify: <ul> <li>Which NIH Institute funds your research area?</li> <li>What is the difference between an NIH Center &amp; an NIH Institute?</li> <li>If eligible, which NIH Award would you apply for? What is required in the application?</li> </ul> </li> <li>2) Develop a timeline and a list of items required (e.g. NIH Biosketch, LoS, etc.) for submitting a grant to NIH if the funding deadline is 6 months from today.</li> </ul> <li>Readings: <ul> <li>National Institutes of Health (2015). Non-NIH Funding Opportunities – Grants and Fellowships. Retrieved from <a href="http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx">http://www.fic.nih.gov/Funding/NonNIH/Pages/default.aspx</a></li> <li>Artifacts: <ul> <li>List 3 non-NIH funding opportunities that you could be eligible for. Look at organizations such as:</li> <li>Gates Foundation</li> </ul> </li> </ul></li>

	Associations based on your research interest
	2) Develop a timeline for submitting a grant to a Non-NIH funding institute with a deadline of 6 months from today.
Learning Objective 3D:	Readings:
Understand how to develop a	1) Case Study: Identifying Hidden Costs in International Budgets
study budget and supply-chain	2) Review the cheat sheet: "Allowable Costs"
management.	
	Artifacts:
	1) Complete the Case Study Worksheet.
	2) Participate in the guest lecture and then submit a study budget for your project
	or a future project to the Program Manager.
Learning Objective 3E:	Readings:
Understand the components	1) Review two sample proposals as if you were an NIH reviewer (available on
of a grant application.	program website).
	Artifacts:
	1) Provide review feedback on the sample proposals, including your thoughts on:
	Significance, investigator, innovation, approach, environment, and budget.
	2) Write a significance statement and environment section for a grant proposal
	for your research project. Follow NIH guidelines for page or word limitations and
	formatting. (Guidelines on our program website)
Prompts for Competency 3 Group	un Discussion:

#### **Prompts for Competency 3 Group Discussion:**

- Which organizations fund global health research?
- How do researchers cope with rejection and success in grant writing?
- At what point do you think trainees should become independent investigators rather than mentored trainees?

Guest Lecture on Grant Writing (sample proposals from 3E will be utilized)
Guest Lecture on Budgeting & Supply Chain Management (case studies from 3D will be utilized)

	Competency 4:
	Develop strong research proposals
Learning Objective 4A:	Readings:
Identify your career goals and	1) Harvard University John F. Kennedy School of Government (2011, winter).
define your general research	What's Your Research Agenda? <u>CSWEP Newsletter</u> Retrieved from
agenda.	http://www.hks.harvard.edu/fs/rpande/papers/cswep_research.pdf
	Artifacts:
	1) Complete the "Setting a Research Agenda" Workbook and submit a one-page
	statement to the Program Manager. PLEASE NOTE: This is about laying out the
	steps in your research career (e.g. where you would like to be if things goes as
	you hope), NOT a restatement of the steps you wish to accomplish for your
	research proposal.
	http://mcs.open.ac.uk/mp8/agenda%20workbook.pdf

<b>Learning Objective 4B:</b> Frame	Readings:
your research question.	1) Moyer, CA (2011). Conceptualization of Research Topics and Formulation of
	Specific Aims. PowerPoint Presented at the Global Health Council Annual
	Meeting, Washington, DC.
	2) Durbin Jr., CG (2004). How to come up with a good research question: framing
	the hypothesis. Respiratory Care, 49(10), 1195-98.
	Artifacts:
	1) In less than 500 words, submit a research question for a new project that you
	might complete after your fellowship.
Learning Objective 4C:	Readings:
Conduct a literature review on	1) South Central Healthcare Librarians (2007, March). The Literature Search
a research topic.	<u>Process: Protocols for Researchers</u> (2 <sup>nd</sup> ed.)
	Artifacts:
	1) Complete the Search Planning Form for a new project that you might complete
	after your fellowship.
Learning Objective 4D: Write	Readings:
a research study with a clearly	1) Center for Evidence Based Medicine (2014). Study Designs. Retrieved from
stated hypothesis and choose	http://www.cebm.net/study-designs/
an appropriate study design.	
	Artifacts:
	1) Complete a biostatistics consultation with a designated faculty member (to be
	arranged via the Program Manager).
<b>Guest Lecture on Conceptualizi</b>	ng Research Questions & Setting a Research Agenda

	Competency 5:
Acquire an	d apply leadership skills for managing a research project team
Learning Objective 5B:	Readings:
Cultivate strong project	1) Complete: How Good Are your Project Management Skills? Quiz
managements skills.	http://www.mindtools.com/pages/article/newPPM_60.htm
	Artifacts: 1) Participate in the guest lecture on Program Management. 2) In less than 1 page, provide a written reflection on these questions:  • What makes a project successful?  • What project management skills are you good at?  • What skills do you need to develop?
Learning Objective 5C:	Readings:
Demonstrate an	1) Bruhn, JG (1995). Beyond discipline: creating a culture for interdisciplinary
understanding of teamsmanship.	research. Integrative Physiol Behav Sci, 30(4), 331-41.

	Artifacts:
	Cite an example of an exemplary team that you have observed and an example of
	a problem that arose and how it was dealt with. In one page or less, state what
	made them particularly successful?
Learning Objective 5D:	Readings:
Demonstrate conflict	1) Skelton, JR, Kai, J, & Loudon, RF (2001). <u>Cross-cultural communication in</u>
resolution skills and	medicine: questions for educators. Medical Education, 35, 257-261.
understand how cultural	2) Ni, P (2013). <u>Ten Strategies for Handling Aggressive or Problem Personalities</u> .
differences between	Communication Success, 260.
investigators (i.e. those in the	
North and those in the South)	Artifacts:
or between investigators and	1) Case, P (1981). Communication Styles: A Self-Assessment Exercise. Teaching for
their patients can impact	the Cross-Cultural Mind, SIETAR, Washington, DC.
research.	2) Write a short reflection on your communication style. Do you approach
	individuals (e.g. co-workers, patients, collaborators) in the work setting differently
	based on their gender, ethnicity, or cultural background? Would others agree
	with you? How do you know?

• Are investigators from low-resource settings perceived differently than investigators from high-resource settings? If so, what are some of the contributors to these differences? When and how might differences need to be addressed?

#### **Guest Lecture on Project Management**

	Competency 6:
Learning Objective 6A: Demonstrate proficiency at scientific writing.	Readings:  1) Feeser, VR, Simon, JR (2008). The ethical assignment of authorship in scientific publications: Issues and guidelines. Acad Emerg Med, 15(10), 963-969.  2) Wells, WA (2004). Me write pretty one day: How to write a good scientific paper. J Cell Biol, 165(6), 757-758.  Artifacts:  1) Identify an appropriate journal for submitting your research manuscript.  2) Complete an outline of a draft manuscript based on your research findings that can be submitted to a peer-reviewed journal upon completion of data analysis.  3) Provide a brief essay (< 1 page) regarding the international norms and policies for the determination of authorship and provide your authorship plan for manuscripts published under your fellowship.

Learning Objective 6B:	Readings:
Demonstrate proficiency at	Pierson, DJ (2004). How to write an abstract that will be accepted for
scientific presentations.	presentation at a national meeting. Respiratory Care, 49(10), 1206-12.
	Artifacts:
	1) Complete a 10-minute presentation to the consortium on your personal
	background and fellowship research.  2) Write a succinct 2000 character abstract based on your Fogarty research
	project for presentation at a national meeting.
	project for presentation at a national meeting.
Learning Objective 6C:	Readings:
Cultivate communication skills	1) Graveline, D (2013, February). <u>Seven Ineffective habits of scientists who</u>
with non-scientific	communicate with public audiences. Retrieved from
communities.	http://www.dontgetcaught.biz/2013/02/7-ineffective-habits-of-scientists-
	who.html  2) Marshall M (2012, June) Talk Nordy to Mo. Presented as a TodTalk Petrioved
	2) Marshall, M (2012, June). <u>Talk Nerdy to Me.</u> Presented as a TedTalk. Retrieved from <a href="http://www.ted.com/talks/melissa">http://www.ted.com/talks/melissa</a> marshall talk nerdy to me
	The state of the s
	Artifacts:
	1) In less than half a page, explain your research to a non-scientific
	audience.
Learning Objective 6D:	Readings:
Provide meaningful critique of	1) Cummings, P, & Rivara, FP (2002). Responding to reviewers' comments on submitted
peer publications and	articles. Arch Pediatr Adolesc Med, 156, 105-7.
nuncantations	articles. Will reduct reduct reduct reduction in the control of th
presentations.	
presentations.	Artifacts:
presentations.	Artifacts:  Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant
presentations.	
presentations.	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant
presentations.	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a
	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a mentor was asked to review for a journal.
Learning Objective 6E: Utilize strong networking skills at a	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a
Learning Objective 6E: Utilize	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a mentor was asked to review for a journal.  Readings:
Learning Objective 6E: Utilize strong networking skills at a	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a mentor was asked to review for a journal.  Readings:  1) WebGURU. How do I Network? Retrieved from <a href="http://www.webguru.neu.edu/mentoring-issues/networking/how-do-i-network">http://www.webguru.neu.edu/mentoring-issues/networking/how-do-i-network</a>
Learning Objective 6E: Utilize strong networking skills at a	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a mentor was asked to review for a journal.  Readings:  1) WebGURU. How do I Network? Retrieved from http://www.webguru.neu.edu/mentoring-issues/networking/how-do-i-network  Artifacts:
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Learning Objective 6E: Utilize strong networking skills at a	Prepare written critiques of two scientific documents (e.g. papers, abstracts, grant proposals) assigned by the mentors. Ideally, this might include review of a paper a mentor was asked to review for a journal.  Readings:  1) WebGURU. How do I Network? Retrieved from http://www.webguru.neu.edu/mentoring-issues/networking/how-do-i-network  Artifacts:  1) What is your "elevator speech" to succinctly convey your research interests in 1-3 minutes  2) Create a list of 3-5 individuals (names, positions, emails) who you would like

Learning Objective 6F:	Readings:
Understand how to influence	1) Work Group for Community Health and Development (2014). Section 10:
public policy through research.	Conducting Research to Influence Policy. <u>Community Tool Box.</u> Retrieved from
	http://ctb.ku.edu/en/table-of-contents/advocacy/advocacy-research/influence-
	policy/main
	2) The Women's and Children's Health Policy Center (2012). Writing Policy Briefs:
	A Guide to Translating Science and Engaging Stakeholders. Retrieved from
	http://www.jhsph.edu/research/centers-and-institutes/womens-and-childrens-
	health-policy-center/de/policy_brief/index.html
	Artifacts: 1) Participate in a guest lecture from a Public Policy faculty member 2) Identify 2 local officials who have an interest in your research area. 3) Write a one page "Policy Brief" for an elected official on the subject of your research area.

#### Prompts for Competency 6 Discussion:

- What ways can scientists influence policy?
- What examples have you seen of policy being misinformed by research?
- What mistakes do people make at scientific conferences and what strategies can correct those mistakes?

#### **Guest Lecture from Public Policy Faculty**

Competency 7:		
Understand Responsible Conduct of Research & Collaborative Practices		
Learning Objective 7A:	Readings:	
Complete an institutional	1) Boston University Institutional Review Board. Tips for Creating a Consent	
review board application	<u>Document</u> . Retrieved from	
	http://www.bu.edu/irb/guidance-and-faqs/submission-guidance/tips-for-	
	<pre>creating-a-consent-document/</pre>	
	2) University of Washington Human Subjects Division (2015). Quick Tips from	
	HSD. Retrieved from	
	http://www.washington.edu/research/hsd/quick_tips/	
	Artifacts:	
	Submit an IRB application	
<b>Learning Objective 7B:</b> Explain	Readings:	
the concept of research ethics	1) Beecher, HK (1966). Ethics and Clinical Research. New Eng J of Med, 274(24),	
& integrity.	1354-1360.	
	2) Bhutta, ZA (2002). Ethics in international health research: a perspective from	
	the developing world. Bulletin of the World Health Organization, 80(2), 114-120.	
	Artifacts:	

<ol> <li>Complete Responsible Conduct of Research Training.</li> <li>Review the case study and answer these questions in a Word document:         <ul> <li>What were the pressures that contributed to the problem?</li> <li>What cultural or institutional practices could have changed the outcome of the case study?</li> </ul> </li> </ol>

#### **Prompts for Competency 7 Discussion:**

- Case Study Discussion utilizing responses to the artifacts from 7B
- What ethical dilemmas might a Fogarty trainee encounter during fellowship? How could individuals respond to these challenges?

	Competency 8:		
Cultivate professional and personal development			
Learning Objective 8A:  Develop a strong NIH  Biosketch & Curriculum Vitae	Readings:  1) Vermund, S. <u>Developing Biosketches</u> . PowerPoint.  2) Joy, S (2013, November 1). Academic CVs: 10 irritating mistakes. <u>The Guardian</u> . Retrieved from <a href="http://www.theguardian.com/higher-education-network/blog/2013/nov/01/academic-cv-job-10-mistakes">http://www.theguardian.com/higher-education-network/blog/2013/nov/01/academic-cv-job-10-mistakes</a> Artifacts:  1) Develop an NIH Bio-Sketch & an Academic CV and review it with the Program Manager		
Learning Objective 8B: Utilize social media and technology for career development.	Readings:  1) Rhode, J. Beyond a Trend: How Scientists Use Social Media. Powerpoint.  2) Bik, H. (2013, April 23). An Introduction to Social Media for Scientists. PLOS  Biology. Retrieved from  http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.1001535  3) Erickson, M. How to Use the Slide Master to Create Templates in PowerPoint.  PowerPoint.  Artifacts:  1) Create a template in PowerPoint that you can use in a future presentation using the Master Slide technique.		

Learning Objective 8C:	Readings:
Negotiate academic	1) Mintz, S. Negotiating Your First Job Offer. Retrieved from
appointments or job offers.	http://www.columbia.edu/cu/tat/pdfs/negotiating.pdf
appointments of job offers.	2) Ernst, M (2014). Getting an Academic Job Retrieved from
	http://homes.cs.washington.edu/~mernst/advice/academic-job.html
	2) Participate in the Guest Lecture
	Artifacts:  1) Conduct a search for a post-fellowship position. Provide the Program Manager with the job listing of a position you would be interested in and discuss the opportunity with your mentor.
Learning Objective 8D: Explain	Readings:
good mentorship & develop	1) Makerere Mentorship Committee. MakCHS Mentorship Program.
mentorship skills.	PowerPoint.
·	2) Zunt, J. Integration and Institutionalization of Mentorship Training.
	Powerpoint.
	Artifacts:
	1) Complete your Mentorship Compact & Quarterly Mentor Encounter Forms.
Learning Objective 8E:	Readings:
Develop strong time-	1) UCLA Diversity and Faculty Development. Balancing Work & Life as an Assistant
management skills and a work-	Professor. Retrieved from
life balance.	https://faculty.diversity.ucla.edu/resources-for/work-life/family-friendly-
	academy/balancing-work-and-life-as-an-assistant-professor
	2) Parvizi, J (2011, December). Balancing Life as a Clinician Scientist. Amer Acad
	Ortho Surg Now. Retrieved from
	http://www.aaos.org/news/aaosnow/dec11/research3.asp
	3) Schwingshackl, A (2014). The fallacy of chasing after work-life balance.
	Frontiers in Pediatrics, 2(26), 1-3.
	Artifacts:
	Artifacts:  1) Conduct a self analysis and answer these questions:
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	<ul><li>1) Conduct a self analysis and answer these questions:</li><li>How do you currently spend your time?</li></ul>
	<ul> <li>1) Conduct a self analysis and answer these questions:</li> <li>How do you currently spend your time?</li> <li>Ideally, how would you like to spend your time?</li> </ul>
	<ul> <li>1) Conduct a self analysis and answer these questions:</li> <li>How do you currently spend your time?</li> <li>Ideally, how would you like to spend your time?</li> <li>What areas are currently demanding more of your time than you would</li> </ul>
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	<ul> <li>1) Conduct a self analysis and answer these questions:</li> <li>How do you currently spend your time?</li> <li>Ideally, how would you like to spend your time?</li> <li>What areas are currently demanding more of your time than you would like?</li> <li>What is your timeline for delegating more time to items you feel are</li> </ul>

can you do to mitigate these stressful situations?

#### **Prompts for Competency 8 Discussion:**

- What type of mentor would you like to be?
- Discussion of self reflection activities for competency 8E.

**Guest Lecture of Negotiating Academic Appointments/Career Development**