

3. Core Criteria

The following modules represent the core criteria of a successful postdoctoral appointment:

REQUIRED:

1. Scholarly Activities
2. Publication Plans and Activities
3. Presentation Opportunities
4. General Transferable Professional Development
5. Career Specific Professional Development

IF APPLICABLE:

6. Instructional Training and Experiences
7. Clinical or Applied Experiences
8. Scholarly Independence Plan
9. Customized Career Competency

Each field below is expandable to meet your individual situation and your stage of training. Short-term goals, such as learning objectives and skill acquisition, may be established annually, whereas long-term goals might be established initially and revisited as needed.*

The first five core criteria are universal for all postdoctoral positions and are required modules. However, each postdoctoral appointment is unique. Four additional fields with drop-down features are available for you to further design your postdoctoral experience to meet your personal career goal.

This plan also serves as a benchmark for you to conduct an annual self-assessment and will contribute to your postdoctoral mentor/supervisor's assessment of your progress.

* Not limited to three goals – Add additional pages

1. Scholarly Activities		Timeline	X**
Goal #1	PHDL: Contribute to resubmitting a NIH R01 application examining spatial uncertainty in an agent-based model for disease epidemics.	July-October 2016	
Steps/Training	Iteratively contribute content, methodological and geovisualization support to the application. Work together in a team environment with...	July-October 2016	
Outcomes	NIH R01 Submission to study spatial uncertainty in this context.	October 2015	
Goal #2	PHDL: Spatially analyze trends in historical mortality for the U.S.	July-September 2016	
Steps/Training	Contribute to an ongoing research project that links trends in mortality to changes in for-profit and non-profit hospitals. Working together with PHDL-related faculty to understand the spatial dispersion of mortality through time and space.	July-September 2016	
Outcomes	Gather county-level social determinants of health data. Spatial analysis of trends in health and mortality for the U.S. Draft and submit manuscript	July-November 2016	

Goal #3	PHDL: Contribute to a research project characterizing dynamic models of infectious disease	June-August 2016
Steps/Training	Systematic review of dynamic disease models, their inputs, and the outcomes they measure.	June-August 2016
Outcomes	Identify 2-3 dynamic models to be integrated into a platform that can link health data and model infectious diseases. Contribute to manuscript.	June-August 2016
Goal #4	PHDL: Submit a proposal for the Cura Zika Pilot Grant program examining environmental correlates of arbovirus viral spread.	June 2016 - September 2017
Steps/Training	Draft the specific aims and proposal draft. Preliminary analysis of data for proof of concept. Submit proposal for seed grant by July 1. Data acquisition; 2 trips to Recife, Brazil.	June 2016 - September 2017
Outcomes	Draft and submit manuscript; develop grant proposal for larger funding mechanism to continue this research	June-September 2017
Goal #5	PHDL/BCHS: Finalize analysis on opioid pilot grant; submit manuscript; develop grant proposal to continue this research.	June 2016 - February 2017
Steps/Training	Finalize geocoding crime-related arrests. Analysis of social media data based on drug terminology dictionary.	June - December 2016
Outcomes	Analysis complete; manuscript drafted and submitted; grant proposal for larger funding mechanism complete	December 2016 - February 2017
Goal #6	PHDL/BCHS: Contribute to an ongoing project examining spatial trends in gun-related violence for Allegheny County, PA and correlate with environmental, health, and behavioral outcomes.	June 2016 - July 2017
Steps/Training	Gather spatial data to be used for analysis of gun-related violence for the city of Pittsburgh and Allegheny County. Contribute to an NIJ/DOJ grant that would help extend this research. Mine social media for crime and violence sentiment across 11 cities in the U.S. Analysis of social media data.	June 2016 - July 2017
Outcomes	Grant submitted. Spatial analyses complete. Manuscripts drafted and submitted.	March-July 2017

** Mark as Steps/Goals are completed

2. Publication Plans and Activities		Timeline	X**
Goal #1	Submit combination of 4 first authored or senior spatial methodologist manuscripts to peer-reviewed journals that are related to the broader research goals of the PHDL.	June 2016 - July 2017	
Steps/Training	Oversee and/or contribute to the preparation of manuscripts directly related to the research goals above. Please see Research Independence Plan for more details on planned manuscripts	June 2016 - July 2017	
Outcomes	Successfully submit the 4 manuscripts.	June 2016 - July 2017	

Goal #2	Co-author on paper related to personal research interests outside of the PHDL vision	June -- December 2016
Steps/Training	Contribute to spatial analysis of the impact of civil war and conflicts in Africa on the surrounding community and environment	June -- December 2016
Outcomes	Submit manuscript	December 2016
Goal #3	Serves as lead-author on paper directly related to personal research interests outside the PHDL vision	June 2016 -- July 2017
Steps/Training	Identify idea; build research team; generate hypothesis; acquire data; begin analysis; draft manuscript	June 2016 -- July 2017
Outcomes	Submit manuscript	June 2016 -- July 2017

** Mark as Steps/Goals are completed

3. Presentation Opportunities		
Goal #		Timeline X**
Goal #1	Present paper at national conference	March/April 2017
Steps/Training	Submit abstracts to both the Association of American Geographers 2016 Annual Meeting.	September-October 2016
Outcomes	Successfully submit abstracts by respective fall 2016 due date; present at national conference	October 2016
Goal #2	Present paper at national conference	December 2016
Steps/Training	Submit abstract to the AGU 2016 Annual Meeting.	August 2016
Outcomes	Submit abstract by August 2016 deadline; present at national conference	December 2016
Goal #3	Present research at internal seminar series at the University of Pittsburgh	September 2016
Steps/Training	Present my research findings periodically at seminars hosted by departments/research labs at the University of Pittsburgh	September 2016
Outcomes	Present at internal seminar	September 2016

** Mark as Steps/Goals are completed

4. General Transferrable Professional Development (e.g. networking, communication, leadership skills)		
Goal #		Timeline X**
Goal #1	Attend postdoctoral seminar series offered through the University of Pittsburgh designed to help foster research and career growth	August 2016- July 2017
Steps/Training	Attend one-day seminars aimed at fostering research and career growth	August 2016- July 2017
Outcomes	Attend 3 relevant seminars	July 2017

Goal #2	Spent one month working in the Global Land Analysis & Discover (GLAD) lab to obtain hands on mentoring in advanced remote sensing methods and facilitate collaboration with other research faculty in the lab.	November 2016
Steps/Training	Intensive training and guidance in advanced remote sensing methods for big data analysis	November 2016
Outcomes	Successfully learn a particular advanced remote sensing method (Classification and Regression Tree analysis for satellite imagery)	November 2016
Goal #3	Provide guest lecture for the GIS course offered in the School of Public Health during the fall 2016 semester	November 2016
Steps/Training	Develop material for guest lecture for the Public Health GIS course offering. Provide relevant readings to the students	September-October 2016
Outcomes	Provide guest lecture	November 2016

** Mark as Steps/Goals are completed

5. Career Specific Professional Development (Customized to your future career goals or career exploration)		Timeline X**
Goal #1	Review for journals specific to my own discipline and research interests	August 2016- July 2017
Steps/Training	Identify relevant journals and sign up to be a reviewer for research related to my background and area of expertise.	August 2016- July 2017
Outcomes	Review 3 manuscripts in content area	July 2017
Goal #2	Prepare independent NIH K or NSF grant proposal directly related to my personal research interests and gaining research independence, and have ready to submit the fall of my first year as a junior faculty member	January – August 2017
Steps/Training	Relevant idea generation for grant proposal. Identification of mentoring team and contact made with possible mentors. Draft grant proposal. Please see Research Independence Plan for more detail	January – August 2017
Outcomes	Successfully submit the grant proposal	September 2017

** Mark as Steps/Goals are completed