

# MSA1

## Mentored Scholarly Activity 1

### Course Goals

#### Goals

1. Demonstrate progress through the Phases and display independence and collaboration
2. Demonstrate ability to formulate a specific problem statement, question, hypothesis or aim
3. Demonstrate ability to work effectively with a mentor.
4. Demonstrate ability to critically review and analyze literature on an important scholarly topic.
5. Demonstrate ability to prepare a scholarly project with appropriate methods and develop a plan to complete the project,
6. Demonstrate ability to synthesize and present results of a scholarly project.
7. Demonstrate the ability to use the scientific method to test and or verify hypotheses in clinical and translational research.

# Spring 2019

## Mentored Scholarly Activity 1

### Session Learning Objectives

#### **Annual Research Forum Attendance and Poster Judging**

1. Assess the components of a research poster using a rubric.

#### **MSA 1:1 Individual Meetings**

1. Describe the overall goals and structure of the MSA.
2. Discuss potential MSA projects using their completed interest form (prior experiences and career goals).
3. Identify possible mentors and/or department contacts.
4. Describe expectations and timeline for Phase I.

#### **MSA Phase I Evaluate Capstone Posters**

1. Give examples of completed MSA projects.
2. Assess the components of a scholarly poster using MSA rubric, including a lay abstract that would be understandable to someone with a sixth grade reading level.
3. Describe different methods used in scholarly work.

#### **Scientific Method Module**

1. Use the correlation coefficient to test hypotheses regarding the relative contribution of environmental versus genetic factors in disease
2. Assess whether a hypothesis statement is specific and testable.
3. Identify which type of translational research is being used for a particular study.
4. Demonstrate the ability to use the scientific method to test and or verify hypotheses in clinical and translational research.

#### **Summer Opportunities Fair**

1. Visit with the participating programs to help decide how to focus the summer between Phase I and II.