

# Mentor Assessment of Medical Student Research

## (End of Research Block)

### SECTION I: Background Information

Student Name: \_\_\_\_\_ Graduation Year: \_\_\_\_\_

Research Block time (end of first or second 8 weeks) \_\_\_\_\_

Research location: \_\_\_\_\_

Research Mentor name and signature: \_\_\_\_\_

Research Mentor's phone: \_\_\_\_\_ email: \_\_\_\_\_

### Research Mentor Assessment (Please circle):

#### Data Collection and Data Management

Not observed	Able to collect data, but needs significant guidance	Collects data independently but requires assistance with management and critical thinking	Carefully collects and manages data in a reliable and reproducible way	Thoughtful approach toward data collection and management that demonstrates advanced problem solving, ability to plan ahead, and in-depth grasp of subtleties of data collection
0	1	2	3	4

#### Analytic approach and interpretation

Not observed	Minimal analytic skills requires significant assistance with interpretation	Independent with simple analyses and beginning to demonstrate thoughtful interpretation	Solid analysis skills able to perform and interpret more complex analyses	Demonstrates broad understanding of complex analysis plans and the ability to perform complex analyses as well as draw relevant conclusions
0	1	2	3	4

**Evidence-based approach**

Not observed	Very little use of scientific evidence or practices	Performs searches of scientific literature but requires assistance in putting prior work in context and understanding critiques of prior work	Independent in ability to thoroughly search, interpret and critique prior literature. Often applies findings from prior evidence to current projects.	Demonstrates a broad understanding of prior work and provides thoughtful appraisals of the state of the field. Appropriately utilizes prior evidence in planning and executing research projects.
0	1	2	3	4

**Initiative and intellectual curiosity**

Not observed	Does not display initiative and intellectual curiosity	Beginning to ask reasonable scientific questions and demonstrate initiative and independent thinking.	Asks multiple appropriate questions and shows initiative in developing ways to answer them	Demonstrates exceptional initiative, consistently asks thoughtful questions and describes novel and interesting ways to approach scientific problems
0	1	2	3	4

**Interpersonal communication and teamwork**

Not observed	Fails to construct relationship with mentor or research team	Beginning to form appropriate relationships with mentor and research team	Establishes a collaborative and constructive relationship with mentor and research team	Excels in interpersonal skills and approach to teamwork.
0	1	2	3	4

**Professionalism**

Not observed	Lacking many professional skills. Questionable integrity and/or dependability	Beginning to demonstrate scientific reliability and integrity. Often is accountable and dependable	Demonstrates appropriate respect, accountability, dependability, and integrity and conducts research in an ethical manner	Demonstrates a high level of respect, accountability, dependability, and integrity, and conducts research in an ethical manner.
0	1	2	3	4

**Comments:**

**Honors in Research & Scholarship is given to students who:**

- a) Publishes a first author manuscript on the research completed during medical school (Case studies do not qualify).
- b) Shows outstanding performance during the required 16 week research block (receives a rating of 4 on Research Mentor Assessment for all categories described above).
- c) The student shows independence and technical ability. The student designs the research study completes the research study, analyzes and interprets the data, disseminates the research at a national meeting in the appropriate discipline.
- d) The student shows outstanding initiative and creativity for their research.

Does this student qualify for honors in Research & Scholarship?    \_\_\_ Yes    \_\_\_ No

**Comments:**

MSRO Approval \_\_\_\_\_ Date \_\_\_\_\_