

Student and faculty expectations:

- Student contacts the faculty mentors to discuss project background, specific aims, and role of the medical student.
- After selecting a R&D project and faculty mentor, the medical student and mentor will submit a brief R&D pre-proposal.
- Students submit a final R&D proposal signed by both mentor and student.
- Student will submit a final report of the 10-week R&D activity.
- Student will present a poster on the R&D activity at Medical Student Celebration of Research Poster Day.
- Mentor and students will ensure addition of student to mentor's IRB or IACUC (even if participating in an external MSRP projects, including international projects) and work with UF mentor to ensure UF's IRB/IACUC office approves the research too, otherwise research may be invalid.

STUDY II. TITLE: Left Hand Apraxia in Right Handed Participants**FACULTY MENTOR: Kenneth M. Heilman MD****email:heilman@neurology.ufl.edu; Phone 352-376-1611 Extension 6898****FACULTY MENTOR DEPARTMENT: Neurology**

It is not entirely known why people are right handed. Left hemisphere lesions cause an ideomotor apraxia where people make several types of errors. For example, when using scissors to cut paper in half they may make postural errors (e.g., using fingers as blades or not keeping the middle, ring and little finger against the palm while the forefinger is partially flexed and the thumb extended), egocentric errors (e.g., not extending the arm at elbow while thumb is moving toward and away from index finger) and allocentric errors (e.g., scissors are not moved in a sagittal plane). It is possible that the reason people are right handed is because they are more likely to make these types of apraxic errors with their left than right hand and the goal of this study is to test this hypothesis, by asking participants to pantomime transitive movement with the left and right hands to determine if there is an asymmetry of errors.
