The Physical Medicine and Rehabilitation Department Functional Neurorehabilitation Program (FNR) will provide funded opportunities for up to two medical students between their 1st and 2nd years for an 8-week period for the summer of 2016. Qualifying students will receive a stipend of $4000, plus $1000 to cover presentation at a conference.

Deadline to submit Phase 1 proposals will be January 29, 2016, to Dr. Victor Mark, vwmark@uabmc.edu

Students interested in applying should contact potential faculty members now to serve as mentors during each stage of the application process.

Requirements for the Phase 1 application (due January 29, 2016):
1) A CV or Resume with current contact information
2) Educational Summary including current class grades and overview of undergraduate education
3) Statement (500 word limit) of career goals, previous research experience (if applicable) and interest in research

Phase 1 applications will be reviewed by department faculty, and the top 4 students will be invited to submit to the next phase. Applicants for Phase 2 will need to write up a 2-page project proposal (not counting bibliographic references). The Phase 2 proposal will be due to be sent to Dr. Mark by March 1, 2016. Faculty who have not been selected to serve as mentors will review the applications while blinded to the applicants’ identities. The top 2 applicants will be notified by March 14 of the decision.

Options for projects:
1) Initiate new research
2) Join ongoing research by a mentor, modified to qualify as a new project
3) Retrospective database or chart review
4) Clinical study proposed by a clinical faculty member, with secondary mentorship by a research faculty member, or a study proposed by a research faculty member with secondary mentorship by a clinical faculty member.
5) Not allowed: literature review; case reports. Mentors must only come from the UAB Department of Physical Medicine and Rehabilitation. All applications must pertain to nervous system disease.

PM&R Department research neurorehabilitation faculty and their areas of interest:

**Yuying Chen, MD PhD**: Epidemiological studies in spinal cord injury: secondary database analysis of the Model Systems’ National SCI Database; wheelchair cushion monitoring; weight control in spinal cord injury; cardiovascular risk profile in women with spinal cord injury. Contact: yuyingchen@uabmc.edu

**Candace Floyd, PhD**: Preclinical research in animal models: protective agents in
traumatic brain injury and spinal cord injury rodent models; mechanisms of neuropathic pain after spinal cord injury; bioengineering approaches to nerve regeneration; effect of antidepressants on recovery after spinal cord injury in a rat model. Contact: clfloyd@uab.edu

Michelle Keiski, PhD: Clinical studies: treatment interventions in brain injury (stroke, traumatic brain injury), outcomes assessments. Contact: michellekeiski@uabmc.edu

Keneshia Kirksey, MD: Clinical studies: falls in adults with lumbar stenosis; effectiveness of gabapentin vs. Amitryptiline in chronic radiculopathy. Contact: kmkirksey@uabmc.edu

Amy Knight, PhD: Clinical studies: neurobiological stress response in acute medical trauma, including behavioral and MRI results. Contact: ajk@uab.edu

Victor Mark, MD: Clinical studies in cognitive changes in disability and effects on rehabilitation: simultaneous eye movement and hand movement measures of attention; spatial search behaviors by stroke patients with severe aphasia; computerized cognitive testing of rehabilitation patients; arm use vs. maximal arm movement in post-stroke hemiparesis. Contact: vwmark@uabmc.edu

Amie McLain, MD: Clinical studies: women in spinal cord injury: reproduction and gynecological issues. Contact: mclaina@uab.edu

Danielle Powell, MD: Clinical studies in spinal cord disease: obesity in spinal cord injury; obesity and weight management in adults with spina bifida; clinical management of transition of young adults with spina bifida to the adult healthcare system. Contact: daniellepowell@uabmc.edu

Ceren Yarar-Fisher, PT PhD: Clinical and translational studies of spinal cord injury: potential mechanisms of skeletal muscle influence on metabolic disease in individuals with spinal cord injury; develop exercise/ rehabilitation and diet interventions to improve neuro-recovery, metabolic health and function in acute and chronic spinal cord injury. Contact: cyarar@uab.edu

Xiaohua Zhou, MD: Clinical studies in stroke: adherence to dysphagia restrictions; bladder training for stroke patients. Contact: zhou@uab.edu