Funding is available to support a new Ph.D. student working under the mentorship of Professor Greg Cartee (Muscle Biology Laboratory) in the Movement Science program of the School of Kinesiology at the University of Michigan (Ann Arbor, MI). Research in the Muscle Biology Laboratory is supported by the NIH and is focused on understanding the mechanisms that regulate skeletal muscle glucose uptake, especially in the context of enhanced insulin sensitivity that can be achieved after performing exercise. Both normal and insulin resistant conditions are being studied. The research uses rodent models and a variety of physiological, biochemical, cellular, molecular and genetic approaches to understand muscle glucose uptake at the whole animal, muscle tissue and myocellular levels. The successful applicant will be highly motivated with a strong academic record that includes substantial coursework in the biological sciences. S/he will have significant experience working in a biological research laboratory and have effective communication skills in written and spoken English. The financial support includes full tuition, a stipend, and benefits, including health care.

To be considered for funding, a complete application must be electronically submitted to the School of Kinesiology through the University of Michigan Rackham Graduate School by December 1, 2019. Applications must be submitted online via the U-M Rackham School of Graduate Studies website – just follow the instructions listed there. Program codes to use in the application may be found in the Kinesiology portion of the Rackham website. For questions about research and training in the Muscle Biology Laboratory, please contact Greg Cartee, Ph.D. at gcartee@umich.edu or 734-615-3458. For questions about the graduate student application process, please contact Charlene Ruloff (Manager, Graduate Student Affairs, Kinesiology Graduate Program) at cruloff@umich.edu or 734-764-1343.