

Announcement of Funded Doctoral Student Assistantship

Dr. Andrew T. Ludlow (Assistant Professor in the School of Kinesiology and the Director of the Integrative Molecular genetics Laboratory at the University of Michigan in Ann Arbor) is currently seeking a motivated Doctoral Student to work on research on aging and cancer cell biology and their relation to exercise physiology for Fall 2019!

Dr. Ludlow received his Master's, and Doctoral degrees from the Department of Kinesiology at the University of Maryland, College Park. After graduating, he completed a postdoctoral research fellowship at the University of Texas Southwestern Medical Center in the joint laboratory of Jerry W. Shay and Woodring E. Wright (Cell Biology). Dr. Ludlow is currently funded by a National Cancer Institute Pathway to Independence award (K99/R00). The title of the Grant is "Manipulating telomerase (hTERT) alternative splicing in cancer". Our research agenda includes understanding the basic mechanisms of how cells utilize hTERT and telomerase to survive, with the ultimate goal of one day learning to either shorten telomeres for cancer therapies or elongate telomeres in regenerative medicine approaches.

- The selected student will begin the PhD program in **September 2019** and will be provided with **full funding** for tuition, a living stipend and health care (student/family) as a Graduate Student Instructor.
- The selected student will have the unique opportunity to work on projects related to: (a)hTERT splicing regulation in aging and how it is impacted by exercise training; (b) alternative splicing regulation in cancer; and (c) regulation and manipulation of hTERT alternative splicing in stem cells and cancer.
- Applicants should have a Bachelor's and a Master's degree (not required but desired) in Kinesiology or another basic science-related field. Previous research experience, publications, and a high GPA from previous academic work are highly desirable.
- Applicants will be considered on a rolling basis until the position is filled. Students will need to gain admittance to the University of Michigan School of Kinesiology doctoral program. For best consideration, interested students should contact Dr. Ludlow immediately, as applications will be reviewed upon receipt. To be considered, please send (electronically in PDF format), a letter of interest, current curriculum vitae, writing sample, and contact information of three references to Professor Ludlow (atludlow@umich.edu). In addition, Please include: "Ph.D. Position: IMGL" in the subject line of your e-mail submissions.
- For more information on applying to the School of Kinesiology, please contact Charlene Ruloff at cruloff@umich.edu. Information about the Kinesiology Ph.D. program can be found at: <http://www.kines.umich.edu/graduate-admissions>, which includes a video describing the doctoral program. Information about Dr. Ludlow's research can be found at <https://www.kines.umich.edu/research/imgl>.