



Alberta RNA Research
and Training Institute



Ph.D. and M.Sc. graduate student position in RNA Modification

Research Group of Dr. Ute Kothe

Department of Chemistry and Biochemistry

Graduate student positions in biochemistry (both M.Sc. and Ph.D.) are available in the Kothe lab to study RNA modification. The Kothe lab is part of the Alberta RNA Research and Training Institute at the University of Lethbridge, Alberta, Canada.

Several projects are available to address the function and mechanism of RNA modification enzymes in bacteria and eukaryotes. This research will gain insight into the fundamental processes of gene expression, into molecular causes of genetic diseases and/or into novel antibiotic targets. Therein, the student can gain experience in several of the following techniques that are used in the Kothe lab: protein/RNA functional studies, fluorescence spectroscopy, rapid kinetics, cellular studies, *E. coli* and yeast genetics, next-generation sequencing and molecular dynamics simulations. Further interdisciplinary collaborations are available through the Alberta RNA Research and Training Institute as well as training opportunities to grow leadership, communication and organizational skills.

Highly motivated students should apply by sending a CV including at least three references, a motivation letter, and copies of transcripts by email to Dr. Ute Kothe (ute.kothe@uleth.ca).