



Alberta RNA Research
and Training Institute

University of
Lethbridge



Postdoctoral Fellow Position

Research Group of Dr. Ute Kothe

Alberta RNA Research and Training Institute (ARRTI), Department of Chemistry and Biochemistry,
University of Lethbridge, Alberta, Canada

A postdoctoral research fellow position is available in the Kothe lab focusing on transcriptomics of RNA modification. This research addresses fundamental as well as disease-relevant aspects of RNA modification integrating transcriptomic approaches with cellular and biochemical studies. Thereby, the potential candidate will elucidate the complex contribution of RNA modifications to regulation of gene-expression. This position is fully funded for 2.5 years by Alberta Innovates.

This project builds on the expertise in the Kothe lab in studying pseudouridine formation and other RNA modifications in all types of RNA as well as investigating the ribosome. In our research, we apply a multidisciplinary approach including techniques such as protein/RNA biochemistry, fluorescence spectroscopy, rapid kinetics, cellular studies, *E. coli* and yeast genetics, next-generation sequencing and molecular dynamics simulations (<http://scholar.ulethbridge.ca/kothe>).

The Kothe lab is part of the Alberta RNA Research and Training Institute (ARRTI) with eight research groups spanning all areas of RNA research. ARRTI fosters a highly collaborative training and research environment with ample opportunities for scientific exchange and collaborative projects. Together, the ARRTI groups have access to a comprehensive suite of state-of-the-art equipment for biophysical, biochemical, cellular and computational studies (<http://www.uleth.ca/research/centres-institutes/alberta-rna-research-and-training-institute-0>).

Highly motivated researchers with a recent Ph.D. in biochemistry, molecular biology, cellular biology or a similar discipline are encouraged to apply. It is expected that candidates will have proven their research accomplishments by peer-reviewed publications. Next-generation sequencing and bioinformatics skills are highly desirable. Excellent verbal and written communication skills, teamwork ability and some experience in supervising students are expected.

Interested candidates should send a CV including at least three references, a motivation letter and copies of their most significant publications by email to Dr. Ute Kothe (ute.kothe@uleth.ca). Applications will be considered starting June 12th 2017 until the position is filled.