

Postdoctoral Fellow Position in RNA Modification (University of Manitoba, Canada)

The Kothe group has an opening for a Postdoctoral Fellow Position investigating RNA Modifications (<http://scholar.ulethbridge.ca/kothe/home>). Our group aims to discover why and how functional RNAs are modified with a special focus on bacterial tRNA modifications and *Sacharomyces cerevisiae* rRNA modifications during ribosome biogenesis. We are particularly interested in the functional interplay of RNA modification, RNA folding, and RNA processing based on our previous findings that RNA modification enzymes can also act as RNA chaperones. Moreover, we are asking how different modifications are coordinated and how they act synergistically during RNA maturation. Combining molecular and cellular studies, our research aims at identifying the function of RNA modifications in generating functional RNAs and their roles in protein synthesis. We apply a multidisciplinary approach ranging from biophysics to biochemistry, molecular biology, genetics and transcriptomics.

After 15 years of operation at the University of Lethbridge, Alberta, Canada, the Kothe group will move soon to the Department of Chemistry at the University of Manitoba in Winnipeg, Canada. Applications will be reviewed immediately, and the position will remain open until filled with an anticipated start date of November 2021 or later. The initial appointment will be for two years and can be extended up to four years based on available funding (NSERC Discovery Grant and Accelerator Supplement for studying bacterial tRNA modifications, CIHR Operating Grant for investigating *S. cerevisiae* rRNA modifications).

Expectations:

Prospective candidates must have obtained a Ph.D. degree in the last five years. It is expected that applicants have demonstrated experience and publications in RNA or protein biochemistry and molecular biology. Additional experience in bacterial or yeast genetics as well as transcriptomics/bioinformatics will be advantageous. Moreover, applicants should provide evidence for project and time management skills as well as teamwork ability.

Location:

The University of Manitoba is home to a community of more than 29,000 students, 5,000 academic staff and 4,000 support staff. A member of the U15 - Canada's top 15 research universities - the University of Manitoba is Manitoba's only medical-doctoral post-secondary institution. Winnipeg is the largest city in the Province of Manitoba. The city has a rich cultural environment, including symphony, opera, dance, theatre, and ethnic festivals. The region provides ample opportunities for outdoor recreation in all seasons. Learn more about Winnipeg at <https://www.winnipeg.ca/>.

Applications:

To apply, email the following documents to ute.kothe@uleth.ca:

- a motivation letter outlining your past experiences and future aspirations
- a CV
- up to three of your most important publications
- a copy of your Ph.D. transcript
- contact information for three principal investigators who can provide reference letters