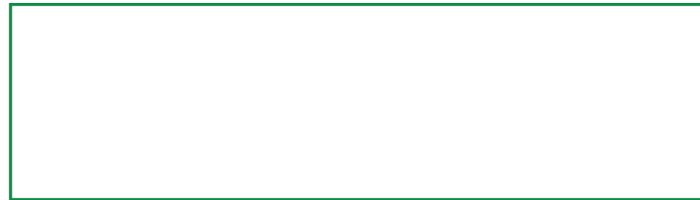




LUDWIG-  
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UNIVERSITÄT  
MÜNCHEN



LMU · Department of chemistry

25<sup>th</sup> March 2025

Regarding: Master's Student in Chemical Biology

Kia Ora,

Ko te tumanako kei te pai koe!  
Greetings !

We are currently seeking a motivated and detail-oriented master's student to join our lab for a project focused on developing a methodology to capture, enrich, and detect chemical modifications on small RNAs. The project involves RNA extraction from various biological materials, size-based separation of RNA using HPLC, and the design and synthesis of tagged DNA probes to selectively capture target RNAs. Enrichment will be carried out via HPLC, followed by nucleoside digestion and analysis of RNA modifications using QQQ-LC-MS.

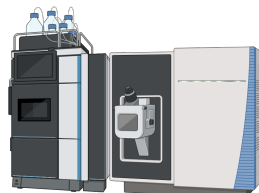
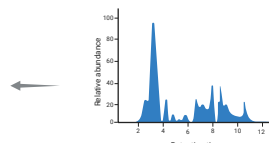
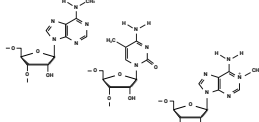
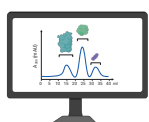
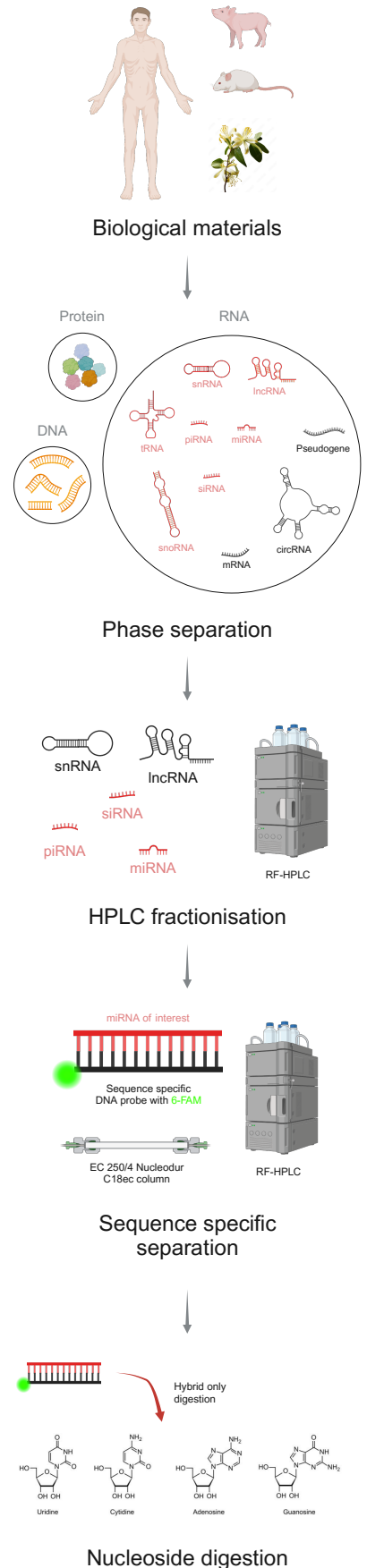
This is an exciting opportunity for students interested in RNA biology, analytical chemistry, and method development. The project is a collaboration between the AK Schneider and AK Carell groups. You will work closely with researchers who are actively involved in the project, providing a supportive environment with many opportunities for learning and growth.

Master's students interested in building their thesis at the intersection of RNA biology and modifications with analytical chemistry are encouraged to apply. Please contact [bennett.henzeler@cup.lmu.de](mailto:bennett.henzeler@cup.lmu.de) with a motivation letter and CV. The selected candidate is expected to work independently, with guidance and support from both supervisors.

**Dr Bennett Henzeler**  
Postdoctoral Fellow, Schneider Lab  
[bennett.henzeler@cup.lmu.de](mailto:bennett.henzeler@cup.lmu.de)

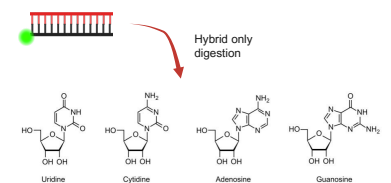


**Kathrin Halter, MSc**  
PhD Candidate, Carell Group  
[kathrin.halter@cup.lmu.de](mailto:kathrin.halter@cup.lmu.de)



Functional relevance to the modifications

Detection of modifications using QQQ-MS



Nucleoside digestion