

**MSc Project:**  
**Investigating the Survival and Egress Mechanisms of  
*Toxoplasma gondii* Bradyzoites**

Our research group is looking for a motivated student to join our team, focusing on the survival and dissemination strategies of the apicomplexan parasite ***Toxoplasma gondii***. This is an exciting opportunity to contribute to fundamental research with implications for global health.

*About the Project:*

*Toxoplasma gondii* is a highly adaptable parasite capable of infecting almost any nucleated cell. While the tachyzoite stage has been extensively studied, many questions about the **bradyzoite stage** remain unanswered. Our group investigates how bradyzoites survive long-term in host cells and whether they egress to initiate subsequent infections. Specifically, we aim to uncover the molecular mechanisms underlying bradyzoite survival.

*What We Offer:*

- A highly supportive, interdisciplinary research environment.
- Hands-on experience with genetic tools, microscopy, and advanced molecular techniques.
- Opportunities to develop your scientific skills

*What We're Looking For:*

- Students with background in biology, molecular biology, biochemistry, or a related field.
- Interest in parasitology, cell biology, or host-pathogen interactions.
- Strong analytical and problem-solving skills, with a willingness to learn new techniques.
- Prior laboratory experience is an advantage but not mandatory.

*How to Apply:*

If you are interested in joining our team and contributing to the research, please send the your cover letter and CV to me via e-mail to: [bingjian.ren@unige.ch](mailto:bingjian.ren@unige.ch).