Evolution-based K-12 lesson plan development  
Summer 2020 – proposed 20 hrs/wk for 4 wks

The Triangle Center for Evolutionary Medicine (TriCEM, www.tricem.org) seeks graduate students to develop evolution-based K-12 lesson plans for the Darwin Day Roadshow.

The Darwin Day Roadshow is an educational initiative piloted by TriCEM earlier this year. The Roadshow traveled to K-12 schools across North Carolina to teach about evolution and its importance to everyday life, including applications to health. The graduate students involved in this project will broaden the impact of this important outreach program by creating formal open-access lesson plan resources for teachers across NC and beyond. Working closely with Dr. Meredith Spence Beaulieu, the graduate students will have the opportunity to further develop the previously used classroom activities and/or to create new lessons based on evolutionary concepts and their own research internships.

Specific duties will include conceptualizing lessons, aligning lesson plans with NC Essential Science Standards and Next Generation Science Standards, and developing comprehensive teacher resources for the lesson plans, including but not limited to annotated PowerPoint presentations, student worksheets or other activity guides, and suggestions for further student exploration of the topic.

PhD or Masters students from any topical areas with an understanding of evolutionary principles and an interest in science communication are welcome to apply. We expect to support 2-4 graduate students in summer 2020 for lesson plan development, and students will work collaboratively toward these goals.