MOLECULAR, CELLULAR AND INTEGRATIVE BIOSCIENCES

Learning Outcomes

Doctor of Philosophy (Ph.D.)

1. **Know**: demonstrate knowledge of core principles and primary literature in their specialty area including comprehension of methods, results, and data analysis in the specialty area.

2. **Apply/Create**: demonstrate ability to design and carry out a major research project in the field, including synthesis of previous work in the field, and assembling new findings into a written work that advances understanding in the field.

3. **Think**: demonstrate ability to critically analyze work by others in their specialty area.

4. **Communicate**: demonstrate ability to convey scientific ideas and results in clear, concise and original writing as well as in formal oral presentations.

5. **Professional Practice**: demonstrate comprehension of and commitment to ethical standards in the discipline. Demonstrate the ability to teach key concepts.

6. **Teach**: demonstrate the ability to teach key concepts of the discipline to students.