CHROMATIN AND EPIGENETICS CERTIFICATE

Doctoral students interested in being formally part of the Program in Chromatin and Epigenetics can apply for admission into a certificate program. The goal of this program is to provide students with more emphasis on epigenetic mechanisms and further exposure to approaches and techniques used in epigenetic research.

Accepted students would be on track to receive a certificate in the program, but would receive their formal doctoral degrees in a related discipline (e.g., Biochemistry & Biophysics, Genetics, Genetics and Molecular Biology Curriculum). Award of the certificate involves completion of several classes, and participation in the Carolina Chromatin Consortium seminars and yearly symposiums. We also require that each student attend and present (a poster or platform talk) at least one national or international meeting. Students should have at least two faculty members that are in the Chromatin and Epigenetics program on their thesis committee (one of which can be their mentor).

Interested students should contact Dr. Brian Strahl with a summary of their research project (as it relates to epigenetics) and CV.

Course Requirements

Code	Title	Hours
Core Courses		**7**
BIOC 631	Advanced Molecular Biology	
BIOC 702	Advanced Topics in Chromatin and Epigenetics	
BIOC 703	Seminars in Chromatin and Epigenetics [1]	
Electives [2]		**3**
BIOC 706	Biochemistry of Human Disease	
GNET 621	Principles of Genetic Analysis I	
GNET 646	Mouse Models of Human Disease	
GNET 749	Practical RNA-Seq	
GNET 747	Next Generation Sequencing: Systems and Applications	
Minimum Hours		**10**

1. Students must take this course twice.
2. Other courses that are related to techniques and approaches used in epigenetic research may count towards these hours with approval.

Non-Course Certificate Requirements