



BIOC702: ADVANCED TOPICS IN CHROMATIN AND EPIGENETICS

EXPLORE FUNDAMENTAL MECHANISMS OF EPIGENETIC REGULATION

Each class will cover a unique topic in epigenetics and provide a historical view of the major discoveries that shaped the field with discussions and examination of current literature.

The class meets once weekly (1 credit hour) and fulfills a key requirement of the new **Chromatin & Epigenetics Certificate Program.**

Registration is open to advanced graduate students and first-year BBSP students with previous epigenetics exposure.

READERS, WRITERS AND ERASERS OF HISTONE MODIFICATIONS

ATP-DEPENDENT REMODELING

HISTONE VARIANTS

NON-CODING RNAS

CHROMATIN ORGANIZATION

CHEMICAL TOOLS AND APPROACHES TO STUDYING EPIGENETICS

THE ROLE OF EPIGENETICS IN HUMAN HEALTH AND DISEASE

INSTRUCTORS – Brian Strahl – Rob McGinty – Greg Wang – Paul Maddox – Kerry Bloom
Jill Downen – Doug Phanstiel – Buddy Weissman – Lindsey James – David Williams – Ian Davis
Nate Hathaway – Hector Franco – Mauro Calabrese – Dan McKay – Angeliki Tsangaratou