

3-day PhD course: Epigenetics in Cancer

- **Dates:** 26 - 28 August 2019 at 10:00 to 16:00.
- **Place:** AU Conference Center, room (TBA)
- **Head of course:** Professor Anders Lade Nielsen and Ass. Professor Lise Lotte Hansen, Dept. of Biomedicine.

Course description

Epigenetic changes are involved in development and progression of cancer. Epigenetic-based biomarkers are promising for being prognostic and predictive of treatment response.

We will introduce the background of non-coding RNAs and DNA methylation in relation to cancer epigenetics, and will cover the following:

1. Epigenetic reprogramming
2. Epigenetic deregulation
3. Epigenetic-based biomarkers
 - a. Liquid biopsies
 - b. FFPE tissues
4. Epigenetic-based therapy

The course will include workshops related to the topic: How to identify an epigenetic-based biomarker

1. Generation of epigenomic data
2. Analyses of epigenomic data
3. Validation of the generated epigenomic data

The course will contain expert lectures and workshops including short presentations of “today’s subject”.

ECTS credits

Participation in this course equals 2.4 ECTS (including the joint session).

