



Dear Colleague,

*The Faculty of Health Science at the Arctic University of Norway, University of Tromsø, would like to invite you to participate in a comprehensive course on molecular and clinical aspects of cancer. The study program focuses on the underlying mechanisms for cancer development but also serves as a more general introduction to basic disease mechanisms. The complete program is composed of two separate courses that may be followed separately. **The application deadline for the spring course (BIO-8303) is December 1st 2015.***

We hope that you or any of your students, colleagues or staff will find interest in this multidisciplinary study program and participate in parts or all of it. We very much appreciate your help in forwarding this invitation to others that might be interested.

Arctic University of Norway, University of Tromsø, Program in Molecular and Clinical Aspects of Cancer

This course addresses the molecular mechanisms operative in normal cells that are subverted in cancer. The emphasis is on the molecular basis of cancer development and the implications for diagnostics, prognostics and therapy. However, the aim is also to provide a broad understanding of molecular biomedicine in general. An international faculty teaches the course.

These include the following topics and confirmed lecturers for the spring course in March 2016:

Transcription, Chromatin, Epigenetics, DNA repair, Stem cells and Cancer

Judith Stärk, Centre for Molecular Medicine, University of Oslo

Arne Klungland, Oslo University Hospital

Inflammation, Infection and Cancer

Sonia Rocha, University of Dundee

Ugo Moens, University of Tromsø

Chemoprevention and treatment of Cancer

Nikolas von Bubnoff, University Clinic, Freiburg

Isabel Poschke, German Cancer Research Center, Heidelberg

Baldur Sveinbjörnsson, University of Tromsø

Omics and Cancer, Cancer epidemiology

Rune Linding, University of Copenhagen

Karina Standahl Olsen, University of Tromsø

The entire program is composed of two, two-week courses. Each course comprises approximately 25 lectures followed by a section where the topics are discussed through student presentations.

Aims: - Provide cutting edge, integrated information concerning molecular and clinical aspects of cancer to scientists, clinicians and students of science and medicine.
- Attract and unite participants from different fields and institutions.

Scope: The program (see below) is appropriate for for postdocs and Ph.D. students in science and medicine, as well as researchers and clinicians seeking further education.

Each of the separate courses (see program under) will give 10 ECT. The exam is arranged as a written assay for “Molecular Genetics of Cancer – an overview”. This essay will have to be finished within 6 weeks after the end of Bio-8302. For all the other subjects the student must give oral presentations over given papers. These presentations are arranged the second week in each of the courses. The courses are intensive with full-day occupation during each two-week block.

Costs: There is no course-fee!!! For the cost of 2500 NOK each external participants will be offered housing in double rooms at hotels in the centre of Tromsø. Please contact Eirik Sødal Vole (eirik.s.vole@uit.no) as soon as possible for reservation of accommodation. **Application deadline is December 1st 2015.**

For more information see <http://uit.no/mcac>

Best regards,

Eva Sjøttem
Associate Professor, PhD
For the organizing committee

Organization of Molecular and Clinical Aspects of Cancer 2016.

Bio 8302
Molecular basis for cancer development
Including cancer genetics, signal transduction and tumour biology
6 days lectures

22nd August – 2th September, 2016

2 days of student seminars
2 days of seminar preparations
6 weeks to complete an essay

Bio 8303
Cancer Prevention, Diagnosis and Treatment
Including infectious agents and cancer, DNA damage and repair, chromatin structure, transcription, epigenetics, stem cells, cancer epidemiology and targeted therapy
5 days lectures

7th March – 18th March, 2016

3 days of student seminars
2 days of seminar preparations