



Dear Colleague,

*The Faculty of Health Science at the Arctic University of Norway, UiT, 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 autumn course (BIO-8302) is June 1.st 2016.** 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.*

## **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 confirmed international lecturers for the course in August 2016:

Eric Stanbridge, University of California, Irvine, USA  
Steve Baird, University of California, San Diego, USA  
Geoffrey Baird, University of Washington, Seattle, USA.  
Channing Deer, University of North Carolina, USA  
Toumas Tammela, Massachusetts Institute of Technology, USA  
Terje Johansen, University of Tromsø, Norway  
Geir Bjørkøy, Høgskolen i Sør-Trøndelag, Norway  
Tonje Fiskaa, University of Tromsø, Norway

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 3000 NOK each external participants will be offered housing in double rooms at Apartment Hotels in the centre of Tromsø. Please contact [zvonko.mitrovic@uit.no](mailto:zvonko.mitrovic@uit.no) as soon as possible for reservation of accommodation. **Application deadline for the course (Bio-8302) is June 1.st 2016.**

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

Best regards,

Eva Sjøttem  
Associate Professor, PhD  
For the organizing committee

### Organization of Molecular and Clinical Aspects of Cancer 2016/2017

|                     | <b>Bio 8302</b>   | <b>Bio 8303</b>  |
|---------------------|---|--|
| <b>Course Title</b> | <b>Molecular basis for cancer development</b>                     | <b>Cancer Prevention, Diagnosis and Treatment</b>  |
| <b>Content</b>      | Including cancer genetics, signal transduction and tumour biology | Including infectious agents and cancer, DNA damage and repair, chromatin structure, transcription, epigenetics, stem cells, cancer epidemiology and targeted therapy |
| <b>Lectures</b>     | 6 days lectures   | 5 days lectures  |
| <b>Seminars</b>     | 2 days of student seminars  | 3 days of student seminars   |
| <b>Preparations</b> | 2 days of seminar preparations                                    | 2 days of seminar preparations   |
| <b>Essay</b>        | 6 weeks to complete an essay                                      |  |
| <b>Dates</b>        | <b>22<sup>th</sup> August – 2<sup>th</sup> September, 2016</b>    | <b>6<sup>th</sup> March – 17<sup>th</sup> March, 2017</b>  |