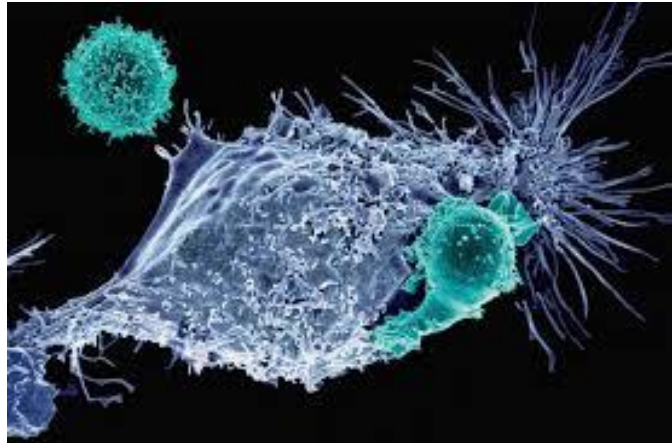




**Karolinska
Institutet**



The Doctoral Programme in Tumor Biology and Oncology (FoTO)

Welcome to the PhD-training program in Tumorbiology and Oncology (FoTO). We organize a training program in Tumor Biology and Oncology offering annual training courses in basic tumor biology ("from molecule to patient"), new technologies and advanced focus courses on single cancer types. The program provides a fertile study-environment including annual student retreats. It has a translational profile attracting both pre-clinical and clinical students. The program operates with a progression of learning and quality controls, including developed pedagogics of research training according to the concept "how to best train excellent scientists".

<https://ki.se/en/research/the-doctoral-programme-in-tumor-biology-and-oncology-foto>

Program Director and Chair: **Margareta Wilhelm** (Margareta.Wilhelm@ki.se)

Program Coordinator: **Lisa Westerberg** (Lisa.Westerberg@ki.se)

Vice Chair: **Ingemar Ernberg** (Ingemar.Ernberg@ki.se)

We recommend to including a selection of the courses and retreats in your individual study plan:

Retreat:

KI cancer retreat (every year in the Autumn) – attendance at least 1 time

Courses:

Note that the interval of course occasions varies from 1-4 year. See updates at the website.

<https://ki.se/en/research/courses-foto>

Basic courses (level 1/2):

- #1635* Basic course in Tumor Biology and Oncology (once per year, Autumn, 2 weeks)
- #2166 Basic Tumor Histopathology (once per year, 2 weeks)
- #1594 Tumor immunology and immune therapy of cancer (once per year)
- #1741 Cytostatic Drugs in Research and Cancer Treatment
- #2267 Cell death and Cancer
- #3026 Cell cycle, cancer and anti-cancer targets

**Can be replaced by the yearly EACR Summer school in translational cancer research*

Examples of more advanced courses (level 2/3):

- #2671 Tumor microenvironment
- #3076 Cancer cell Metabolism
- #1592 Infections and cancer
- #3023 Microbiota, metabolism and immunity in the development and treatment of malignancies
- #3024 Advanced Cancer Biology
- #2523 Omics data analysis: From quantitative data to biological information
- #2001 What is life? The future of biology
- #2367 Mouse models of human cancer
- #2919 Personalized cancer medicine
- #3151 Inherited cancer syndromes; Genes predisposing to malignant disease
- #3025 Advanced Cell Culture - modelling with human induced pluripotent stem (iPS) cells
- #2583 Non-coding RNA and cancer
- #2716 Breast Cancer: Research and treatment
- #2720 Brain tumors
- #2584 Translational lung cancer research
- #3022 Translational Paediatric Oncology in the Era of Immunotherapy and Omics
- #2663 Circulating tumor cells
- #2790 How to conduct systematic reviews and meta-analyses
- #2970 Applications of CRISPR/Cas9 technology: genome editing and beyond

International courses/retreats:

EACR Summer school in translational research (Autumn)

DKFZ PhD student retreat