

<b>Category</b> (科目区分)	Research subject		
<b>Course Title</b> (授業科目名)	Clinical oncology		
<b>Instructors</b> (担当者名)	Hiroyuki Shibata	<b>Academic Year</b> (配当年次)	2,3
<b>Required Course / Elective Course</b> (必修/選択)	Elective Course	<b>Credits</b> (単位数)	15
<b>Class Format</b> (授業形態)	practice		
<b>Schedule</b> (開講期間)	on demand		
<b>Class Date/Period</b> (開講曜日・時間)	on demand		
<b>Course Outline/ Course Objectives</b> (授業の概要・到達目標) Purpose: To develop a new strategy of chemotherapy, and to make progress in translational study in the future clinical research, the trainees conduct a set of experiments. . Goal: Publication of research outcomes. Outlines of the class: 1. To know the underlying biological features of cancer cells, it is good to understand the mechanisms of molecular targeted agents. 2. To evaluate a new compound, signal transduction of kinases, transcriptional activities of transcriptional factors, pro-apototic proteins, invasion and metastatic abilities, and tumor angiogenesis of cancer cells should be understood. 3. By using mouse models, the compounds can be evaluated in vivo. We have a dozen of newly synthesized compounds bearing unknown functions. They are good seeds of drug development.			
<b>Contact Information</b> (問い合わせ先(氏名, メールアドレス等)) Name: Hiroyuki Shibata / E-mail: hiroyuki@med.akita-u.ac.jp			
<b>Comment</b> (その他特記事項) Information about courses: If you cannot attend the training due to work, such as a graduate student who is a member of society, we will adjust the schedule. Textbooks / References: DeVita, "Molecular Biology of Cancer." Self-study content during self-study time: It is desirable to carry out preparatory learning according to the goals to be achieved and the content of the lesson.			