



Practical course (1-2 ECTS)

Adenovirus vectors for gene transfer and therapy

University of Eastern Finland, Kuopio campus, 24 - 25 April 2014

UNIVERSITY
OF EASTERN
FINLAND

Organizing committee: Minna Kaikkonen, Seppo Ylä-Herttuala, Johanna Laakkonen, Jenni Huusko, Tommi Heikura, Paavo Halonen, Jussi Nurro, Timo Liimatainen, Hanne Hakkainen, Hanna Lesch, Joonas Malinen

Overview: The aim of the ADVance course in Kuopio is to provide an overview of large-scale, clinical-grade Ad vector production and to introduce students to mouse and pig animal models of myocardial ischemia. Imaging technologies, such as angiography, ultrasound and magnetic resonance imaging, will also be presented to demonstrate GT efficacy and heart function.

Audience: This course is aimed at PhD students who are seeking to improve their skills and knowledge on clinical grade adenovirus production and animal models of ischemia. Also the students will have chance to present their own work and meet experts in the field of viral research providing the opportunity for networking and collaboration.

Provisional agenda:

Time	Thursday 24 April	Friday 25 April
8.30-11.00	Demonstration I: Production and purification of clinical-grade adenoviral vectors	Seminar day with Invited Speakers * Prof. Andy Baker (Univ. Glasgow, UK) Prof. Eric Kremer (CNRS, France) Prof. Ari Hinkkanen (UEF) Dr. Varpu Marjomäki (Univ. Jkl) Dr. Maija Vihinen-Ranta (Univ. Jkl) Dr. Hanna Sallinen (UEF) Dr. Hanna Lesch (FKD Therapies)
11.00-12.00	Lunch	
12.00-14.00	Demonstration II: Mouse myocardial ischemia, ultrasound imaging and gene transfer	
14.00-14.30	Coffee break	
14.30-17.00	Demonstration III: Pig models of myocardial ischemia, angiography imaging and gene transfer	* Parts of program held together with ADVance grantees and group leaders. ADVance ITN integrates 8 leading academic centres and 4 companies under a single umbrella to train young scientists in adenovirus (AdV) research
17.00-18.00	Poster session *	
18.00-24.00	Dinner *	

Registration:

Application will be via a selection process where the applicants need to submit a letter of motivation including research interests (max 1 page) and a short CV (max 2 pages). The applicants are also encouraged to submit a short abstract (max 250 words) for poster presentation (entitles to additional 1 ECTS) and this will give a preference in the selection process. The applications and abstracts should be sent via email to minna.kaikkonen@uef.fi. **Application deadline is 20th of March**. There will be a maximum of 15 participants on this course. Successful applicants will be notified by 31st of March. There is no registration fee.