



**Molecular Medicine
Postgraduate School**

**Program XVIIth Course
Biomedical Research Techniques
October 29 -November 2, 2018**

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PhD students (and others) often experience that not all expertise for biomedical techniques or assays they need to perform for their research project is readily available in their department. The organization of the Postgraduate school offers the wonderful opportunity to exchange this expertise. Therefore, the course 'Biomedical Research Techniques' is organized to create an overview of techniques routinely used in the various departments. This course is issued the 17th time after the big success of the previous ones. This course is also part of the Research MSc Infection & Immunity.

Site visits: planned on Wednesday morning & afternoon and Thursday morning. Please register during the course. There are limited places available (max. 10/group).

The program is organized according to a logical order in 5 steps: DNA, RNA, Proteome, Cell, Tissue and Organ.

This implies the following program in 5 days:

Day 1: primers and probes, sequencing, SNP-analysis, methylation

Day 2: RNA, RNA expression arrays, RT PCR, siRNA, data mining

Day 3: proteomes, mass spectrometry; (afternoon) site visit core facilities labs genomics;

Day 4: (morning) site visits proteomics labs; (afternoon) Flow cytometry, ELISA & Cytotoxicity

Day 5: (morning) microscopy: quantitative confocal microscopy, image analysis, FRET, FRAP & computer modeling; (afternoon) Applied Molecular Imaging: MRI, CT, Nuclear, Optical in vivo

ECTS: when you are fully present, the course is rewarded with **1,5 ECTS**.

Thanks to all moderators for their organization, support & advices to the program, and thanks to all speakers for their help!

For details and registration: www.molmed.nl or contact Frank van Vliet: tel. +31(0)10 70 380 53; GSM +31(0)6 5474 6408; molmed@erasmusmc.nl