

MolDiag-Paca Workshop ,Molecular Imaging'

in cooperation with the DiMI / EMIL Summer School 2008 ,Cardiovascular Applications of Molecular Imaging'

The Molecular Imaging Workshop **within the MolDiagPaCa network** will take place at the University Hospital Muenster, Monday 1st September 2008.

The course is especially adapted to clinicians/scientists which are interested in molecular imaging techniques/modalities (independent of the background knowledge). The contents spanned everything from clinically relevant imaging approaches (e.g. MRI, CT, PET) to pre-clinical/basic research imaging platforms like fluorescence mediated tomography (FMT) or fluorescence reflectance imaging (FRI). Another topic will focus on probe design and molecular imaging applications for *in vivo* drug screening, which will offer a deeper insight of the multidisciplinary interaction in this new and rapidly growing research discipline.

The course will cover the following program:

FRI/FMT – principles of operation and molecular imaging (in parallel at the Summer School: Basic Physiology of the Cardiovascular System, Ulrich Decking, Düsseldorf)	Jens Waldeck, Münster
PET – principles of operation and molecular imaging	Lars Stegger, Münster
Ultrasound/echo – principles of operation and molecular imaging	Georg Schmitz, Bochum
CT – principles of operation	Stefan Käpplinger, Erlangen
MRI – principles of operation and molecular imaging	Cornelius Faber, Würzburg/Münster
Molecular imaging for <i>in vivo</i> drug screening (in parallel at the Summer School: Co-registration of moving structures (heart, vessels ...), Klaus Schäfers, Münster)	Normann Koglin, Berlin
The chemistry behind tracers	Carsten Höltke, Münster
Pitfalls in Tracer development and imaging (in parallel at the Summer School: Meet the experts – open discussion, all speaker)	Christoph Bremer, Münster
Lab-Tour (FRI/FMT/3T MRT)	Bremer/Waldeck, Münster

Please send your registration to Dr. Jens Waldeck, University Hospital Muenster, Department of Clinical Radiology, Haus Rosenbach, Waldeyerstrasse 1, 48149 Muenster, Germany or via E-mail to waldeck@uni-muenster.de until 17th of august.