

# Extensive user training programs

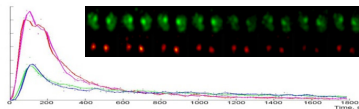
Comprehensive and personalized trainings



**“Empowering Users to Tap the Full Potential of MILabs Imagers”**



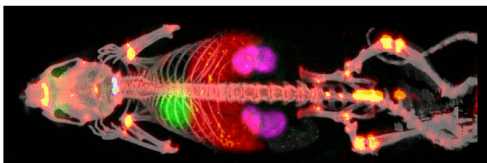
Gated cardiac studies



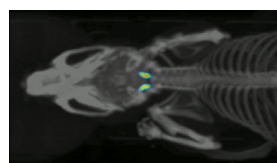
Fast dynamic dual-isotope SPECT



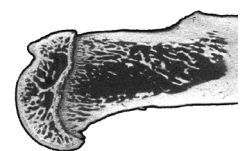
Full-body SPECT and PET



Simultaneously PET-SPECT



Theranostic imaging  $^{131}\text{I}$



Adaptive X-ray CT

Introductory classes as well as courses for advanced operators.

# Selection of available training modules

MILabs is offering a wide range of advanced application trainings for both the U-SPECT/CT and VECTor/CT users which are building on the gained knowledge of the basic user training.

	Module	Topic	Hours	Description
Basic user application & system training	1	Introduction and system overview	2	Instruction about nuclear imaging, applications, system overview and functions.
	2	Safety and precautions	1	Learn all about how to work with radioactivity in a safe way.
	3	Mechanical operations	2	Renew your knowledge and get the latest tips and tricks about the system.
	4	Animal preparation	2	Step-by-step animal preparation, including anesthesia and animal handling.
	5	Image acquisition	2	Step-by-step image acquisition.
	6	Image reconstruction	2	Step-by-step iterative SPECT and PET image reconstruction.
	7	Basic image processing	3	Basic image processing using PMOD, loading images, ROI 2D and 3D, data analysis and filtering.
	8	Application workflow kidney scan	1	Specific example of kidney function acquisition using dynamic and dual-isotope imaging.
	9	Basic user maintenance	1	Learn how to maintain your system.
Advanced user application training	10	Advanced image acquisition	4	U-SPECT/VECTor/CT acquisition, static and dynamic studies and phantom scans.
	11	Gating	4	Gated imaging, respiratory, cardiac and/or 3rd trigger gating; acquisition, reconstruction, data analysis (M2M BioVet required).
	12	Advanced image reconstruction	4	In-depth training on iterative reconstruction, parameter influence, selection of optimal settings and filtering.
	13	Quantification	4	Quantification, Attenuation correction, Background windows, Single-isotope and dual-isotope.
	14	Image processing	4	Imaging, saving/loading images, Image filters, Noise, Statistics, Rendering. Discover more functions and options of PMOD, automatic ROI, 2D, 3D, visualization, filtering 3D and 4D.
	15	Planning and animal handling	4	Plan your study wisely; study design, tracer selection, animal handling and preparation. Animal monitoring, anesthesia, scan time, data handling and analysis.
	16	Tumor imaging	8	Training on tumor imaging, importance of tumor location, acquisition parameters and data analysis.
	17	Brain imaging	8	Training on brain imaging, importance of tracer selection, timing, acquisition parameters and fixation.
	18	Application support	8	Support of an application specialist for your experiments.

Modules 1-9 are included with every new system.

The standard modules are listed in table and can be combined to complete your individual training program or alternatively a custom program can be compiled based on your current and future research applications. Trainings are offered with a minimum of 2 days, i.e. 16h total. The on-site trainings fee is € 7.500,- (2 days), €10.500,- (3 days) or € 13.000,- (4 days), recommended group size is 5 persons.

Training programs can be completed at your laboratory or at our Headquarters in Utrecht, The Netherlands.

*All specifications are subject to change without notice. March 2016, MILabs B.V. The Netherlands*