



Great scientists never stop learning

MACS[®] Academy courses 2015

Flow cytometry of antigen-specific T cells

This course provides hands-on experience for detecting and analyzing antigen-specific and non-specific human T cell subsets. By combining immunomagnetic pre-enrichment with intracellular cytokine staining, cell populations with very low frequencies, such as antigen-specific T cell subsets, can be analyzed in detail. The training covers all steps from theory to extensive hands-on practice.

24.06. – 25.06. | 09.12. – 10.12.

Focus training on macro- and microglial cells

This course is aimed at researchers studying neural and glial cell interaction, neural stem cells, and neuroimmunology. Techniques for isolating defined cell populations from early postnatal brains as well as tissue preparation methods and analysis by flow cytometry will be shown.

02.06. – 03.06.

Foundations for cellular experiments

Learn the basic elements of any cell biology experiment: sample preparation, cell isolation, and quality control. In small training groups, you will get theory and hands-on experience in a cell research workflow. The course focusses on methods to improve reproducibility in your analyses. This course is beneficial for beginners as well as experienced researchers.

29.04. – 30.04. | 22.09. – 23.09.

Generation of Mo-DCs

Hands-on generation of monocyte-derived dendritic cells (Mo-DCs) with relevant theory is covered in this training. This contains isolation of pure monocytes, reliable and reproducible generation and flow cytometric characterization of Mo-DCs. Workflows for both research and clinical settings are explored.

01.07. – 02.07. | 28.10. – 29.10.

Human ES/iPS cell research

Improve pluripotent stem cell generation, culture, and characterization. This course covers all critical steps for ES/iPS research. Theory and practical lab sessions are used to show advanced techniques for cell preparation, selection, and flow cytometry analysis.

03.03. – 06.03. | 24.11. – 27.11.

MACSQuant[®] Instrument Training

This course enables participants to successfully and efficiently use the MACSQuant[®] Instruments. It covers basics of flow cytometry and the operation of the MACSQuant Instruments including detector setup, compensation, multisample handling and automated labeling.

**13.01. – 16.01. | 24.02. – 27.02. | 30.03. – 02.04.
14.04. – 17.04. | 19.05. – 22.05. | 09.06. – 12.06.
18.08. – 21.08. | 08.09. – 11.09. | 20.10. – 23.10.
10.11. – 13.11. | 01.12. – 04.12.**

All courses are held at MACS[®] Academy, our modern training facility located near the beautiful city of Cologne. Small, international training groups allow for close interaction and individual mentoring.

For dates, details, and registration information visit www.miltenyibiotec.com/macacademy