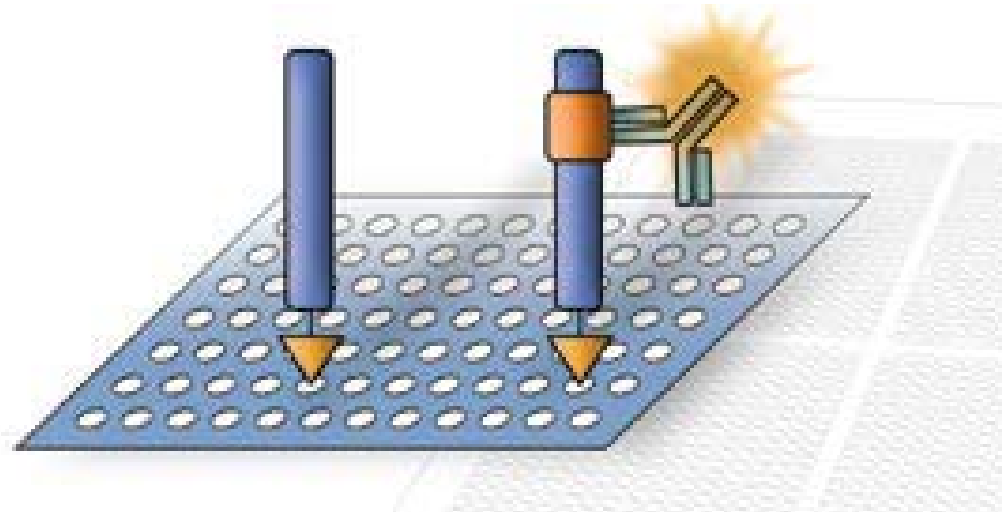
Innovative Peptide Solutions

PepStar™ – Peptide Microarrays Application Training



- ➔ Seromarker discovery
- ➔ Antibody epitope mapping
- ➔ Enzyme profiling
- ➔ Protein-protein interactions

Geschäftsführer
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Agenda

Dear Scientist,

Please find below an exemplary agenda for a PepStar™ – Peptide Microarrays Application Training. Upon request, we will develop an individual agenda based on your specific interests and provide focused training according to your application!

Your JPT team

PepStar™ – Peptide Microarrays Application Training

1st day:

Time	Topic
	Arrival in Berlin, Germany
2:00 pm - 3:30 pm	**Welcome** Introduction to JPT's team Presentation of JPT
3:30 pm - 4:30 pm	**Facility Tour** Company structure Introduction to high throughput peptide synthesis Peptide microarray principles
4:30 pm - 5:30 pm	**Discussion and Planning** • Preparation of first experiments • How to perform a simple binding experiment (with purified antibody) • Discussion of reasonable control incubations

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2nd day:

Time	Topic
9:30 am - 11:30 am	**First Incubation Experiments with Purified Antibodies** • We will show manual and semi-manual incubation
11:30 am - 1:00 pm	**Peptide Microarrays** • Introduction to peptide array team members • Detailed presentation and discussion of workflow • Microarray basics
1:00 pm - 2:00 pm	**Lunch**
2:00 pm - 4:30 pm	**Workup Procedures** Washing steps (manual / automatic) Drying steps (manual / automatic) Scanning procedure
2:00 pm - 4:30 pm	**Data Evaluation** • Take your first steps in GenepixPro Software • Establish an evaluation procedure • How to use .gal-files for spot finding • Learn spot finding in Genepix (block / feature) • How to take advantage of automated background correction • How to set and use feature flags
4:30 pm - 5:30 pm	**Discussion of Next Steps** • Preparation of second experiment • How to perform a binding experiment with serum • Discussion of reasonable control incubations

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3rd day:

Time	Topic
9:30 am - 11:30 am	**Start of Serological Profiling** • Binding experiment on peptide arrays • Find the best dilution
11:30 am - 4:30 pm	**Evaluation of First Experiments and First Steps in Data Interpretation** • What is the general data structure of results (raw data) • Which parameters to choose for evaluating experimental quality • Learn more about statistical evaluations and visualization of results • How to evaluate your positive and negative controls • Get to know normalizing options for microarray data • Potential statistics and data interpretation
1:30 pm - 2:30 pm	**Lunch**
11:30 am - 4:30 pm	**Workup Procedures** • Washing steps • Drying steps • Scanning procedure
4:30 pm - 5:30 pm	**Discussion of Optimization Experiments** • Workflows • Discussion of planned experiments • Questions and next steps

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4th day:

Time	Topic
9:30 am -11:30 am	**Data Evaluation of Seroprofiling** • Scanning and evaluation of performed experiment • Introduction to array evaluation and data processing • Learn to process and analyse images • How to use R for data processing • Statistical evaluation of data • Troubleshooting and optimization tricks from our experts
11:30 am - 12:30 pm	**Wrap–Up & Discussion**

Contact us for further information and appointments!
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