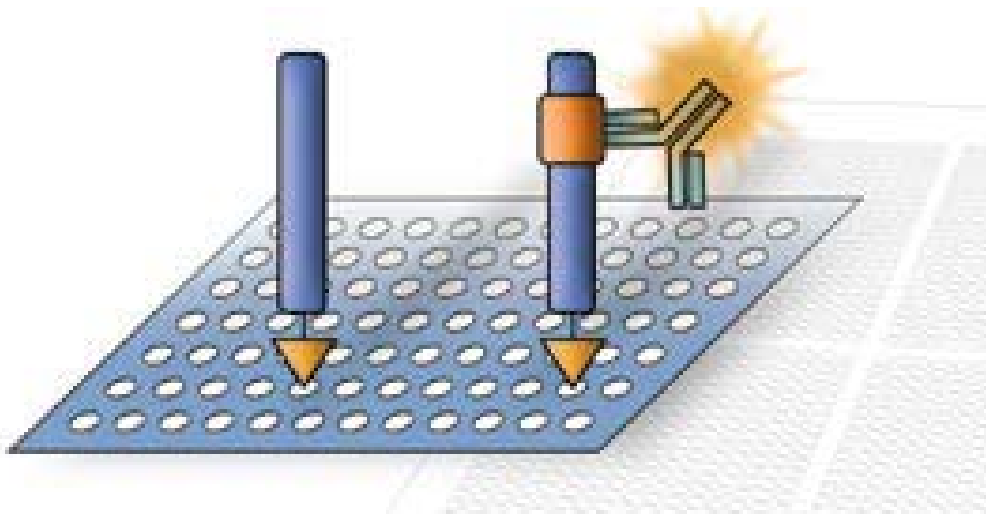


PepStar™ – Peptide Microarrays Application Training



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

Agenda

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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none"> We will show manual and semi-manual incubation
11:30 am - 1:00 pm	Peptide Microarrays <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Washing steps • Drying steps • Scanning procedure
4:30 pm - 5:30 pm	Discussion of Optimization Experiments <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none">• 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

Dear Scientist,

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

Your JPT team