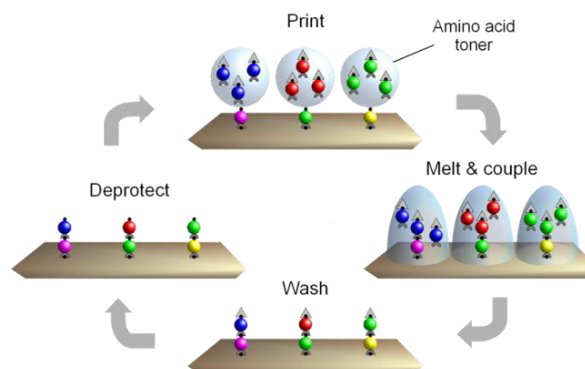


## PEPPERPRINT Platform Technology - Background

In contrast to conventional peptide array technologies, which require peptide pre-synthesis and microarray spotting, PEPPERPRINT has developed a laser printing technology to synthesize linear and cyclic constrained peptide libraries directly on-chip. PEPPERPRINT prints defined patterns of so-called amino acid toners step-by-step onto a glass slide. Between different printing steps, the amino acid toners are melted to release the activated amino acids, and to initiate peptide synthesis. After washing and de-protection of the N-terminal Fmoc group, the next pattern of amino acid toners is printed and coupled. Routine double coupling steps and ultrasonic washing protocols enable high quality peptide synthesis to get best signal-to-noise ratios in assaying your samples.



### Advantages:

- up to 2 x 35,500 different peptides per microarray
- linear and cyclic constrained peptides
- unlimited sequence variety accompanied with low synthesis costs
- fully scalable from single to hundreds of microarrays within only 3-5 weeks
- peptide content can be easily adjusted from project to project
- maximum peptide-peptide overlap for high resolution epitope mapping
- ISO 9001 certified quality

Please contact us to find the optimal solution for your project. We will be happy to schedule a phone or online conference or meeting with our research team.

**PEPPERPRINT either provides PEPPERCHIP® Peptide Microarrays for in-house use in your own lab or microarray-based PEPPERMAP® Analysis Services at PEPPERPRINT with scientific reporting.**

#### PEPPERPRINT GmbH

Rischerstrasse 12  
69123 Heidelberg  
Germany

#### PEPPERPRINT US East Coast Office

One Broadway  
Cambridge, MA 02142  
USA

#### PEPPERPRINT US West Coast Office

1286 University Ave,  
Suite 193  
San Diego, CA 92103-3312  
USA

#### PEPPERPRINT Brazil Office

Av. P. H. Rolfs 375, Sala 603  
Viçosa - MG, CEP 36.570-000  
Brazil

#### Headquarters

info@pepperprint.com  
+49 6221 7264488

#### Carsten Haber

carsten.haber@pepperprint.com  
+1 617 297 2920

#### Jill Roughan

jill.roughan@pepperprint.com  
+1 858 224 9642

#### Pedro Simonini

pedro.simonini@pepperprint.com  
+55 31 98815 1070