



## Peptide Microarrays

Guest Editors:

**Prof. Dr. Frank Breitling**

Karlsruhe Institute of  
Technology, Institute of  
Microstructure Technology,  
Hermann-von-Helmholtz-Platz 1,  
76344 Eggenstein-  
Leopoldshafen, Germany

**Dr. Alexander Nesterov-Müller**

Karlsruhe Institute of  
Technology, Institute of  
Microstructure Technology,  
Hermann-von-Helmholtz-Platz 1,  
76344 Eggenstein-  
Leopoldshafen, Germany

Deadline for manuscript  
submissions:

**closed (31 May 2015)**

### Message from the Guest Editors

Dear Colleagues,

A quarter century since their invention by Ronald Frank, peptide arrays now move into the focus of the life sciences. Three features make them very attractive for researchers from different fields: (1) they are suitable for high throughput analysis; (2) individual peptides allow a direct linkage to the proteome level, e.g., by revealing the pathogen an antibody is targeting; and (3) peptides fold into many different unique 3D structures that might help to advance also neighboring scientific fields, e.g., chemical catalysis.

This Special Issue will collate contributions on peptide array methodology, their biophysical and bioengineering applications, peptide array based studies of posttranslational modifications, protein–protein interactions, drug discovery and drug delivery.

Prof. Dr. Frank Breitling  
Dr. Alexander Nesterov-Müller  
*Guest Editors*

