

## Micropattern Generation of Proteins on Gold Surface using Fusion Protein Strategy and Microcontact Printing

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### Abstract

In this study, we developed a simple procedure for patterning protein on a gold substrate by combining the fusion protein strategy and microcontact printing ( $\mu$ CP). We constructed the fusion proteins the C-terminus of which was fused to enhanced green fluorescent protein (EGFP) as a model protein. Fluorescence microscopy was used to visualize the pattern of the immobilized protein (GBPEGFP). The results suggest that this strategy, which consists of a combination of  $\mu$ CP and GBP-fused proteins, is an effective way for fabricating biologically active substrates that are suitable for a wide variety of applications such being the use in as protein-protein assays.

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### References

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