



## INNOVATION WORKS™

Technology from the European Molecular Biology Laboratory

# Cell-based method for analysis of protein-protein interactions

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### Challenge

- protein-protein (p-p) interactions are crucial for all cellular processes and since disturbed protein-protein interactions can contribute to disease, p-p interaction inhibitors are interesting in drug discovery
- traditional technologies for analysis of p-p interactions are highly artificial questioning physiological relevance of the results

### Commercial Opportunity

- technology evaluation program, licensing and transfer of the technology
- collaboration opportunities

### Technology

- suitable for analysis of protein-protein-interactions, protein complex analysis and protein-protein interaction inhibitor screening
- assay relies on calcium-induced translocation of a bait protein fused to annexin A4
- in case of interaction the target proteins follow the bait
- the translocation can easily be monitored when spectrally distinguishable fluorescent proteins are fused to each of the complex components
- the advantages over existing technologies are that the interactions can be screened intracellular and compared to other cell-based assays (e.g. FRET) complexity and technical requirements are reduced

### Contact

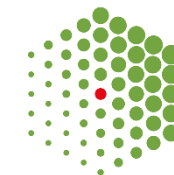
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### Intellectual Property

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