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**BOOK OF
ABSTRACTS**



Bispecific antibodies – a new look at the molecular interactions analysis

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The measurement of kinetic rates and avidity binding in the simultaneous engagement of two antigens is key to optimizing for bispecific antibody target specificity early in the development process. The quantitative analysis provides insight on how to adjust the individual affinities of the bispecific antibody arms, so that the most favorable cooperative action is achieved, specifically maximal on-target and minimal off-target antibody binding.

To achieve this, a new biosensor was used, that uses nanolevers made of DNA to create functional structures on the surface of the chip. The biosensor mimics the presentation of two different target antigens on the surface of a cancer cell and enables the detection of dual-color fluorescence for simultaneous kinetic studies of single and dual-binding of bispecific antibodies.