

Séminaire



CONFÉRENCIER
INTERNE

Vendredi 18 Janvier 2019 à 11h

*Salle des
séminaires*

Institut de biologie structurale - 71 avenue des Martyrs CS 10090 38044 Grenoble Cedex 9 - T.+33 (0)4 57 42 85 00

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Deciphering drug-target residence time of Hsp90

The strength and duration of binary receptor-ligand complexes are fundamental to many physiological processes. Most commonly, the effectiveness of the receptor-ligand interaction is expressed in terms of equilibrium affinity such as K_d . Heat shock protein 90 (Hsp90) is an anticancer therapy target for which it was shown that the cellular efficacy also depends on the duration of the receptor-ligand complex called residence time (τ). Using NMR spectroscopy we were able to monitor ligand-induced modulation of Hsp90 dynamics and establish a link between the ligand residence time and protein dynamics.