



PIRAMID

PROTEIN INTERACTIONS
IN RATIONAL APPROACHES
FOR MEDICINAL
INNOVATIVE DRUGS

Protein-Protein Interaction Hsp90

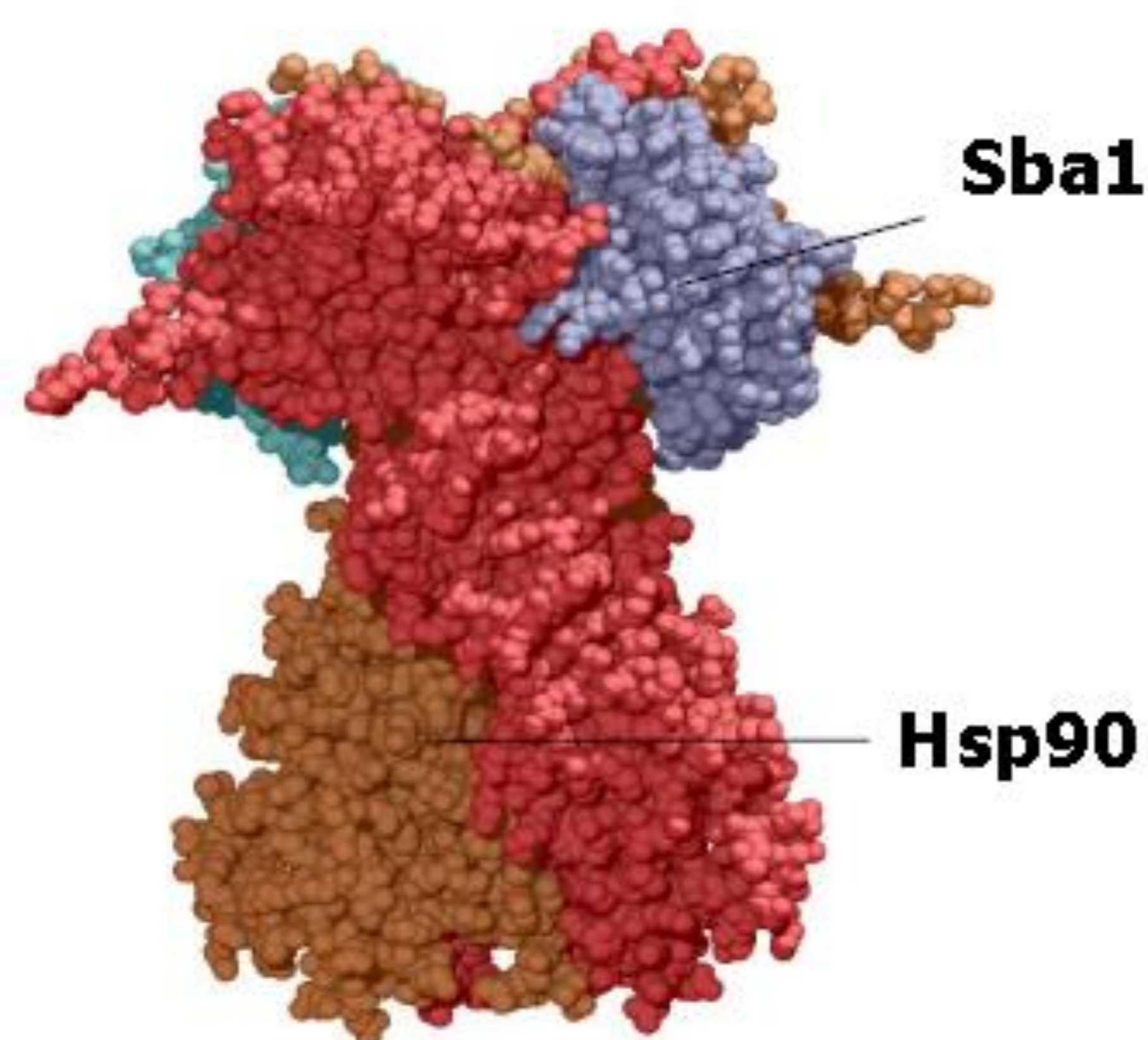


Context :

Fungal diseases result in approximately 11 million life-threatening infections annually. Current treatment strategies for these infections are limited by **antifungal resistance, toxicity and drug interactions**.

Hsp90

Fungal Hsp90 chaperone is a major regulator of cell wall integrity and virulence. Genetic impairment of Hsp90 function **reduces tolerance to stress and abrogates drug resistance** to the two main classes of antifungals (azoles and echinocandins).



Goals and ambitions :

The aim is to **identify *in silico* and *in vitro* small molecules or hits able to disrupt the protein-protein interactions (PPIs)**.

Resources :

1 post-doctoral
Laboratory **IICiMed**, Laboratory **CEISAM**.



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