



UNIVERSITY OF NAPOLI "FEDERICO II"

POLYTECHNIC AND SCIENCE SCHOOL

Department of Chemical Sciences

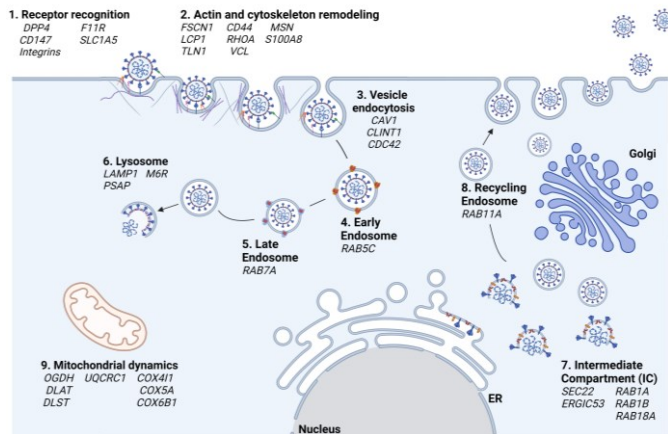
Ph.D. School in Chemical Sciences (37° Cycle)



## First year activity

### Spike Interactomes investigation

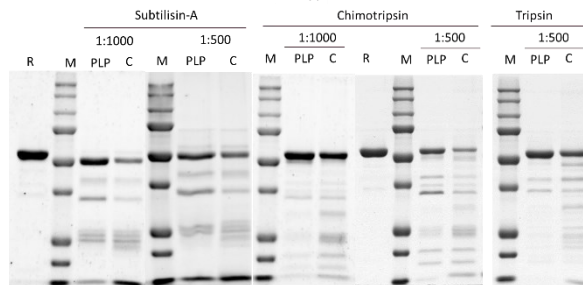
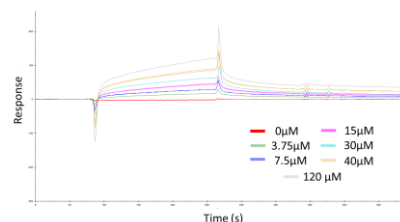
The proteomic investigation of S1 interactomes in different non-pulmonary cell lines demonstrated its involvement not only at the level of the viral entry.



Iacobucci I et al. Spike S1 domain interactome in non-pulmonary systems: A role beyond the receptor recognition. *Front Mol Biosci.* 2022 Sep 26;9:975570.

### Investigation of PLpro-drugs interaction

PLpro characterization and compound screening demonstrate a binding with one of the four molecules tested.



Ph.D. Student:  
Vittoria Monaco

### Title

Study of the molecular mechanisms relevant to the interactions between pathogens and hosts