Introduction to convergence research at   
THE KEY LABORATORY FOR MULTISCALE SIMULATION OF COMPLEX SYSTEMS

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**Abstract**

In this talk, I will give an overview of on-going research at the Key Laboratory for Multiscale Simulation of Complex Systems where many PIs from different disciplines such as physics, chemistry, materials science, biology and with different expertise, computational, theoretical, experimental to address single practical problems. Research topics include radioligand for SARS-CoV-2 viral proteins, TSPO translocator protein, biased and unbiased ligands for mu-opioid receptor, zinc-finger protein structure for biosensors, new metal-organic-frame materials, semiconductor thin films, …. Through close international and national collaborations with other groups, we are trying to bring physics-based computational approach to solve different practical problems in Vietnam.

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