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TITLE

Mastering Complexity of Biosystems without Math and Computing Background

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A novel computing approach to model and simulate complex systems is presented that can help unravel uniqueness of patients and drug effects. A novel HCI interface is presented to hide math and computing details from the final user. Different models can be imported, easily composed and simulated with their cross-talk interactions thus helping better drug design and target identification. Connection with public/private databases and inference technologies from wet lab data are a strong bridge with experimentalists.

Biography

Corrado Priami completed his PhD from the University of Pisa and his postdoctoral studies at the École Normale Supérieure. He is professor at the University of Trento. The results of his PhD thesis were the basis for the foundation COSBI, of which he is the President and CEO. He published over 130 papers on programming languages and systems biology and gave more than 40 invited talks and lectures around the world. He regularly serves in advisory boards of research centres and governmental institutions, review panel of funding agencies and program committees of international events.