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**Emerging roles of molecular modelling in decoding biological regulation: examples from the p53 pathway**

**Chandra Verma**

Atomistic Simulations and Design in Biology, Biomolecular Modelling and Design Function, Bioinformatics Institute, A\* STAR, Singapore – 138671.  
E-mail: [chandra@bii.a-star.edu.sg](mailto:chandra@bii.a-star.edu.sg)

Atomistic insights into biomolecular mechanisms have been given a significant boost with advances in modelling technologies - which include better representations and faster computers. These models now regularly complement biochemical and biological observations by providing insights and testable hypotheses. We will take the example of the p53 pathway to illustrate some developments that have resulted in new windows to interpretation and will discuss possible futures.

Department of Bioinformatics, Alagappa University,  
Karaikudi –630004, Tamil Nadu  
E-mail: [dbiicsbcadd@gmail.com](mailto:dbiicsbcadd@gmail.com)  
Web Address: <http://conf.bioinfoau.org/icsbcadd'2019>