Curriculum Vitae

Keun Woo Lee

CEO & Professor
AiDD & Gyeongsang National University

Educational Background & Professional Experience

2022-Present	AiDD (Angel i-Drug Design) CEO
2004-2021	Gyeongsang National University (GNU) Assistant/Associate/ Full Professor
1998-2004	Univ. of Houston, Research Associate/Research Assistant Professor
1997-1998	Univ. of California at Berkeley Postdoctoral
1984-1997	Seoul National University (SNU) Chemistry, BS/MD/Ph.D.

Research Interests

- Computational Biology/Molecular Modeling: Protein-Ligand interaction by Molecular Dynamics Simulation/Molecular Dockings
- Computer-Aided Drug Design (CADD): 2D/3D QSAR, Ligand/Receptor Based Drug Design, Building Pharmacophore Model
- Bioinformatics & Machine Learning-CADD

Publications

1. Shraddha Parate, Vikas Kumar, Jong Chan Hong and Keun Woo Lee, "Investigation of Marine-Derived Natural Products as Raf Kinase Inhibitory Protein (RKIP)- Binding Ligands" Marine Drugs (2021.10) [PDF] (IF2020: 5.118).
2. Danishuddin, Vikas Kumar, Mohammad Faheem and Keun Woo Lee, "A decade of machine learning-based predictive models for human pharmacokinetics: Advances and challenges Drug Discovery Today" Drug Discovery Today (2021.09) [PDF] (IF2020: 7.85).
3. Vikas Kumar, Shraddha Parate, Gunjan Thakur, Ghiwan Lee, Hyeon-Su Ro, Yongseong Kim, Hong Ja Kim, Myeong Ok Kim and Keun Woo Lee, "Identification of CDK7 Inhibitors from Natural Sources Using Pharmacoinformatics and Molecular Dynamics Simulations" Biomedicines (2021.09) [PDF] (IF2020: 6.08)
4. Danishuddin, Vikas Kumar, Shraddha Parate, Ashutosh Bahuguna, Ghiwan Lee, Myeong Ok Kim and Keun Woo Lee, "Development of Machine Learning Models for Accurately Predicting and Ranking the Activity of Lead Molecules to Inhibit PRC2 Dependent Cancer" Pharmaceuticals (2021.07) [PDF] (IF2020: 5.86).