

IIT Hyderabad and PharmCADD signed a pact for the co-development of new drugs

PharmCADD, a leading in-silico drug design company, and IIT Hyderabad also agreed to promote alliance by jointly participating in global R&D projects.

Hyderabad, July 23, 2021: PharmCADD, AI and Physics/Quantum-based drug discovery company, has recently signed a Memorandum of Understanding (MOU) with the Indian Institute of Technology Hyderabad, a premier technical institute in the country, for co-developing new drugs and advancing the platform technology, pharmulator™.

PharmCADD has founded a local corporation in India last month and is intensively hiring competent Indian researchers. Under this MOU, IIT Hyderabad will provide PharmCADD with key members to conduct academic research in the field of AI, MD simulation, and quantum calculation for new drug development. PharmCADD and IIT Hyderabad also agreed to promote collaboration by jointly participating in global R&D projects.

India holds the world's third-largest AI capability, publishing 80,000 papers in the field of AI over the past five years.

“PharmCADD has designed and optimized the mRNA sequence for developing COVID 19 mRNA vaccine and the mRNA vaccine candidate has been recently applied for IND (Investigational New Drug) to begin clinical trial 1/2a study in KOREA. Based on this experience, we have expanded a vaccine developing platform and enhancing the platform technology with the aid of IITH's resources”, said Mr Taehyung Kwon, CEO, PharmCADD.

Expressing his delight on this momentous occasion Prof B S Murty, Director, IIT Hyderabad, said, “IIT Hyderabad is the only institute in the country with UG programs in both Biomedical Engineering and Biotechnology & Bioinformatics. IITH has dedicated faculty working many novel techniques & drugs. This global collaboration in the field of drug development will definitely strengthen our capabilities to develop novel formulations and make a healthier society”.

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About PharmCADD

PharmCADD, founded in **2019**, is the leading in-silico drug design company committed to accelerating the path for discovering and developing de-novo therapeutics for diseases more efficiently. Utilizing state-of-the-art technologies of deep neural networks, molecular dynamics simulation, quantum calculation, and network theory, Pharmulator™, their innovative artificial intelligence (AI)-based drug discovery platform, is poised to help global scientists tackle the most demanding challenges across the whole spectrum of the drug discovery process. At PharmCADD, they relentlessly work hard to become a reliable navigator and partner for drug discovery.

To know more, please visit: <http://pharmacadd.com/company/>

About IIT Hyderabad

Indian Institute of Technology Hyderabad (IITH) is one of the six new IITs established by the Government of India in 2008. In a short span of **12** years, the institute has become a top ranker and currently has **241** full-time faculty, **3,397** students (**20%** women), and nearly **200** state-of-the-art laboratories and five research and entrepreneurship centers. The institute has a strong research focus with more than Rs **435** crore of sanctioned research funding with PhD scholars accounting for about **30%** of total student strength. IITH has to its credit more than **5500** research publications, **192** patent disclosures, **1440** sponsored/consultancy projects, and **50** industry and academic collaborations.

To know more, please visit: <https://www.iith.ac.in/>

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