



**MANIPAL**  
ACADEMY of HIGHER EDUCATION  
*(Institution of Eminence Deemed to be University)*

## **Manipal-Schrodinger Centre for Molecular Simulations**

*Cordially invite you to the guest lecture by*

### **Dr. Thomas Steinbrecher**

Senior Director, Applications Sciences, Europe  
Schrödinger

**Topic:** “From Ideas to Medicines - Discovery of clinical candidates with an ML - driven physics-based technology platform”

**Date and Time:** 27<sup>th</sup> June 2022, Monday, 10.00 am

**Venue:** Prof PGR Conference Hall, Ground Floor, MCOPS.

#### **Speaker's profile**

Dr. Thomas, Senior Director, Applications Science, Europe studied Chemistry at the University of Freiburg in Germany and earned a diploma with distinction in Physical Chemistry. He completed a Ph.D. thesis on “Computer Simulations of Protein-Ligand Interactions” in 2005. He joined the developer team of the Amber MD package as a Postdoc at the Scripps Research Institute in San Diego and Rutgers University in New Jersey. The work focus was on efficient free energy calculation methods and QM/MM simulations of charge transfer. After returning to Germany in 2008, Thomas established a junior research group at the Karlsruhe Institute of Technology, working on fast electron transfer phenomena in DNA and proteins. He joined Schrodinger in 2013 where he was responsible for the large-scale application of free energy calculation methods in pharmaceutical drug design. Since 2017, he heads the Applications Science Department for Europe and supports customers in employing Schrödinger’s Drug Discovery Technology Platform for their research.

**Dr Varadaraj Bhat G**  
Coordinator,  
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**Dr C Mallikarjuna Rao**  
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