

## **Seminar**

### **Chiral molecules in strong laser fields**

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Chiral molecules exist as two mirror forms, so-called enantiomers, which have essentially the same physical and chemical properties and can only be distinguished via their interaction with another chiral system, such as circularly polarized light. Many biological processes are chiral-sensitive and unraveling the dynamical aspects of chirality is of prime importance for chemistry, biology and pharmacology. Studying the ultrafast electron dynamics of chiral processes requires characterisation techniques at the attosecond timescale. The talk aims at developing new approaches to measure and manipulate chiral light-matter interaction using the three pillars of attosecond science: high-order harmonic generation, photoionization, and transient absorption.

***Monday, Feb 6<sup>th</sup> 2023***

***04:00 PM (Tea / Coffee 03.45 PM)***

***Auditorium, TIFR-H***