

## **Seminar**

### **Nanoscale Cellular Communication for Designing Next-Generation Therapeutics**

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Aberrant intercellular communication underlies disease progression. For example, cancer cells communicate with neighbouring cells to exchange organelles, proteins, metabolites, and ions, which helps them gain survival advantages. I am interested in developing chemical technologies to study nanoscale communication in cancer and developing next-generation therapeutic strategies. I will describe (i) transmembrane ionic communication, (ii) extracellular protein-mediated communication, and (iii) intercellular nanoscale physical communication.

***Tuesday, Mar 18<sup>th</sup> 2025***

***16:00 Hrs (Tea / Coffee 15:45 Hrs)***

***Auditorium, TIFRH***