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| Synchronization among Multiple Nanomachines for Simultaneous Targeted Drug Delivery |
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* **Synchronization** → Drug release nanomachines (DN) perform a tow way message exchange mechanism with a coordinator nanomachine (CN)
* **Simultaneous drug delivery** → CN will provide a common time for drug deleivery nanomachines to release their drug

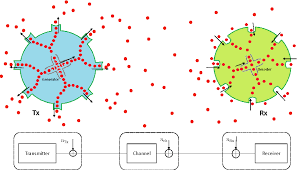
A potential application of MC → Targeted Drug Delivery (TDD)

TDD → Localized drug administration

**3. Solution**

Moleculer Communication(MC) → A new communication

Paradigm where molecules act as the information carriers



* **Simultaneous Drug delivery with multiple nanomachines**

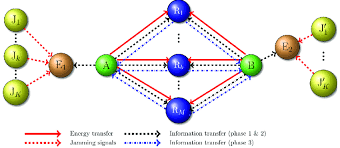
1. How to perform synchronization?
2. When to release the drug molecules?
3. **Simultaneous** drug release nanomachines will release drug at a common time

* **A Critical requirement in TDD → Synchronization**
* **Establishing coordination among the nanomachines to perform drug release at an agreed time**

2. Problem Statement

1.Introduction

**4.System Model & Proposed Scheme**



**To evaluate the performance of the proposed scheme through computer simulations**

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**5.Future Work**

Propagating delay between CN and DNI, Propagation delay between CN and DN2

Drug release time for DNI, Drug release time for DN2,