

SEMINAR

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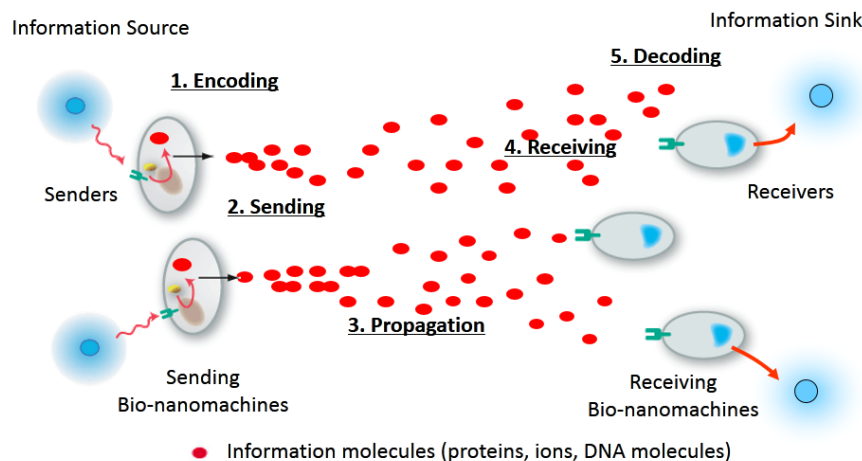
Topic:

Recent Advances in Molecular Communications

Description:

Molecular communications (MC) is an emerging research field, which aims to enable communication in challenging environments, for example inside the human body for targeted drug delivery. In contrast to conventional communications, MC employs molecules for information transmission, which makes this approach highly bio-compatible and energy-efficient.

From communications perspective the tasks in MC include transmitter/receiver modelling and characterization of the propagation environment (noise, intersymbol interference). Moreover, new modulation schemes and interference mitigation techniques must be developed, taking into account the limitations and requirement in MC.



This course addresses highly motivated students who are interested in an emerging and interdisciplinary research area and want to take the opportunity to look beyond conventional communication systems.

Organization:

- Introduction of recent topics in molecular communications
- Preparation of the chosen topic (regular meetings with supervisor)
- Final report and presentation

Registration:

If you are interested in attending this course please send me an **email** until **15.09.** (we will take over the registration in KUSSS). We will have an initial meeting mid-October.

Contact:

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