

Other Dissertation participants

NPD457 Sebastian Øllegaard Utecht

Activity	Type of exam	Fixed subjects	Administrative office	ECTS points
NFYK10020E	Thesis		Niels Bohr Institutet	60

Contract No. 140657
Contract status Klar til godkendelse
Dissertation start 09.04.2023
Language engelsk
Open to public Ja
Annex open to public Ja
Externally prepared Nej
External partners
Residence abroad (months). Check local guidance 0
Hand in deadline
Hand in date

Title Biophysical models of kidney organoids

Other information - Cf. local guidance Weekly hourly meetings in person in addition there will be weekly group meetings. Supervisor expects student to come prepared to the meetings: Follow up on the outlines agreed in previous meetings, reflect on possible new directions and try to address the issues at hand.

Statement of dissertation In this project we will attempt to build insilico kidney organoids. To this end we will start with particle based models, capturing cell-cell interaction by polarized adhesion. The goal would be to recapitulate the formation of the two key structural elements: Glomerulus and tubuli.

Supervisor name

Ala Trusina, trusina@nbi.ku.dk, Primary supervisor, 100%

Administrative office**Priority**

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Faculty / institution

Supervisor