

**Other Dissertation participants**

NPD457 Sebastian Øllegaard Utecht

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

Contract No. 140657  
Contract status Klar til godkendelse  
Dissertation start 02.04.2024  
Language English  
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  
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.  
Other information - Cf. local guidance  
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	Administrative office	Priority
Ala Trusina, trusina@nbi.ku.dk, Primary supervisor, 100%		1

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Faculty / institution

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Supervisor