

Research project and supervisory team

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Short introduction & description of research project	This PhD project investigates how biomolecular condensates interact with biological membranes and how these interactions influence cellular function in health and disease. Focusing on wetting phenomena under physiological conditions, the study aims to understand how membrane properties and protein activity jointly regulate condensate behaviour. By combining theoretical modelling and numerical simulations, the project seeks to uncover general physical principles governing membrane-associated phase separation. The outcomes are expected to advance our understanding of cellular organisation and provide insights relevant to cancer and neurodegenerative diseases.
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