

PhD and master and bachelor thesis projects are currently available in the Schmoller lab

We take an interdisciplinary approach at the interface between quantitative biology and biophysics and employ budding yeast as a model to understand fundamental principles of cell size regulation. Using live-cell microscopy, cell biology, and mathematical modelling, we aim to obtain a quantitative understanding of how cells coordinate growth and division to control their size, how cell size is adjusted upon changes in nutrient conditions, and how cells coordinate organelle and protein homeostasis with cell growth.

For more information go to:

<https://www.helmholtz-muenchen.de/ife> or contact kurt.schmoller@helmholtz-muenchen.de