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Single-molecule microscopy in zebrafish embryos

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Citation
Góra, R. J. (2022, November 23). *Single-molecule microscopy in zebrafish embryos*. Retrieved from https://hdl.handle.net/1887/3487015

Version:	Publisher's Version
License:	Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden
Downloaded from:	https://hdl.handle.net/1887/3487015

Note: To cite this publication please use the final published version (if applicable).

Single-Molecule Microscopy (SMM) techniques constitute a group of powerful imaging tools that enable researchers to study the dynamic behavior of individual molecules.

In the research described in this doctoral thesis, SMM techniques have been developed to image individual proteins inside cells of a living zebrafish embryo model and to study patterns of their mobility.

The results of the mobility pattern analyses offer new insights into the dynamics of single molecules diffusing inside cells within the context of an intact vertebrate organism.

Single-Molecule Microscopy in Zebrafish Embryos

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