

VU Research Portal

Ensemble and single-molecule dynamics of intraflagellar transport in *C. elegans*

Mijalkovic, J.

2018

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Mijalkovic, J. (2018). *Ensemble and single-molecule dynamics of intraflagellar transport in C. elegans*.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

Table of contents

| | | |
|---|---|------------|
| 1 | Introduction | 1 |
| 2 | Ensemble and single-molecule dynamics of IFT dynein in <i>Caenorhabditis elegans</i> cilia | 12 |
| 3 | Single-molecule turnarounds of intraflagellar transport at the <i>C. elegans</i> ciliary tip | 50 |
| 4 | The effect of temperature on chemosensory cilia and intraflagellar transport (IFT) in <i>C. elegans</i> | 82 |
| 5 | Inhibiting IFT dynein with ciliobrevin in <i>C. elegans</i> chemosensory cilia | 98 |
| 6 | Cutting off ciliary protein import: Intraflagellar transport (IFT) after dendritic femtosecond-laser ablation | 120 |
| A | Summary | 153 |
| | Srpski sažetak (Serbian summary) | 159 |
| | About the author | 169 |
| | Acknowledgements | 171 |
| | Publication list | 181 |