Stanford



Paul Ruijgrok

Life Science Research Professional 2, Chemical Engineering

SUPERVISORS

- Zev Bryant

Bio

HONORS AND AWARDS

- Long term cross-disciplinary fellowship, Human Frontier Science Program (2012)
- Cum Laude graduate MSc Physics, Leiden University (2007)

LINKS

- Bryant Lab: https://web.stanford.edu/group/bryant/

Publications

PUBLICATIONS

- **Design and characterization of optically controllable filamentous myosins**
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- **Machine learning active-nematic hydrodynamics.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **Optical control of fast and processive engineered myosins in vitro and in living cells.** *Nature chemical biology*
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- **Optical Control of Fast and Processive Engineered Myosins In Vitro and in Living Cells**
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- **Making gold nanoparticles fluorescent for simultaneous absorption and fluorescence detection on the single particle level** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
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  Gaiduk, A., Yorulmaz, M., Ruijgrok, P. V., Orrit, M.
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- **Acoustic and Optical Modes of Single Dumbbells of Gold Nanoparticles** *CHEMPHYSCHEM*
  Tchebotareva, A. L., van Dijk, M. A., Ruijgrok, P. V., Fokkema, V., Hesselberth, M. H., Lippitz, M., Orrit, M.
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