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Fluorescent Nanodiamonds as Free Radical Sensors in Aging Yeast Cells

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DOI:
[10.33612/diss.112906297](https://doi.org/10.33612/diss.112906297)

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Document Version
Publisher's PDF, also known as Version of record

Publication date:
2020

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

van der Laan, K. (2020). *Fluorescent Nanodiamonds as Free Radical Sensors in Aging Yeast Cells: a baker's yeast response to small diamonds with great potential!* [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen. <https://doi.org/10.33612/diss.112906297>

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- ❖ Yeast cells need help to internalize FNDs, which we are able to give them, by applying an optimized chemical transformation protocol that is highly efficient. (this thesis)
- ❖ Both the presence of FNDs as the uptake protocol itself do not cause major fatal effects to the yeast cells. (this thesis)
- ❖ Once internalized in chronological aging yeast cells, FNDs are preferentially located at membrane-enclosed organelles. (this thesis)
- ❖ Cell viability has many different faces.
- ❖ Any kind of stress arises from a disturbance of the balance.
- ❖ While in microscopy we aim to zoom in to understand certain things, in life it often helps to take some distance to get a clearer view.
- ❖ The closer one gets to finding an answer, the more new questions start to appear.
- ❖ You can never be too busy for something, but you can have other priorities.