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Fluorescent nanodiamonds in cells: uptake, biocompatibility and quantum sensing

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About the author

Yue Zhang was born on the 9th of Oct 1991 in Jiangsu, China.

In 2014, She obtained bachelor's degree in chemistry with distinction from Soochow University. In 2017, She obtained master's degree in polymer chemistry and physics under the supervision of Prof. Zhiyuan Zhong from Soochow University.

From 2017 to 2019, she worked in Baxter Suzhou R&D center as an engineer. In 2019, she received CSC scholarship

and started PhD study in the Biomedical Engineering Department, University Medical Center Groningen, University of Groningen under the supervision of Prof. Romana Schirhagl.

Her research is focused on the interaction between nanodiamonds and cells, and quantum sensing with diamond relaxometry in bio samples. In 2022, she received De Cock-Hadders grant to study quantum sensing of free radicals induced with cigarette smoke in human bronchial epithelial cells.



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