

**Name:** Neus Feliu

**Brief CV**



**Dr. Neus Feliu** graduated in Chemistry from Universitat de Barcelona (UB) in 2007 and obtained her Master Science degree in Biomedical Materials from the Royal Institute of Technology (KTH) in Stockholm in 2009. She obtained her PhD degree in Medical Science from Karolinska Institutet (KI), Stockholm, in the field of Engineered Nanomaterials for Biomedical Applications in 2014. Afterwards, she joined a research group at the Department of Clinical Science and Technology (CLINTEC) at KI as a postdoctoral researcher. She continued her career as Vinmer and Marie Curie Fellow at the Department of Laboratory Medicine (LABMED), Clinical research Center, KI, Stockholm, Sweden. She is currently a Research Associate at the Center for Hybrid Nanostructures (CHyN), Hamburg University (UHAM). The research of Dr Neus Feliu is dedicated towards the synthesis and characterization of micro- and nanoparticles, with the aim to develop smart multifunctional materials for a wide range of bio-applications including sensing and delivery. In particular, her interest focuses on better understanding the interactions and correlations of materials with biological systems (involving biocompatibility studies with living cells) and explore their use in the medical field.

**Selected publications**

- Sun X, Gamal M, Nold P, Said A, Pelaz B, Schmied F, von Pückler K, Chakraborty I, Figiel J, Zhao Y, Brendel C, Hasssan M, Parak WJ, **Feliu N\***. Enhancing the labeling of stem cells with inorganic nanoparticles. *Applied Materials Today*. [in press].

-**Feliu N**, Neher E, Parak WJ. Toward an optically controlled brain. *Science*. 2018 9;359(6376):633-634.

- **Feliu N**, Xing S, Alvarez-Puebla R, Parak, W J. Quantitative particle-cell interaction: some basic physicochemical pitfalls. *Langmuir*. 2017;33:9711-9730

-**Feliu N**, Kohonen P, Ji J, Zhang Y, Karlsson HL, Palmberg L, Nyström A, Fadeel B.

Next-generation sequencing reveals low-dose effects of cationic dendrimers in primary human bronchial epithelial cells. *ACS Nano*. 2015; 9:146-63.