

# Professor Nadine MILLOT, PhD



<b>Name</b>	<b>Nadine Millot</b>
<b>Date of birth</b>	<b>12 January 1973</b> <b>French, 3 children</b>
	76 peer reviewed publications 210 communications worldwide (30 invited conferences in the last five years) H-index: 25 - 1435 citations in the ISI Web of Knowledge, 1 international pattern, 3 book chapters, 1 educational book (" <a href="#">Cristallographie Géométrique</a> ", Ed. Lavoisier, Paris, 2014) Students supervision: 7 Post-docs, 3 research engineers, 16 PhDs students, 30 graduates
	<b>Present position</b>
Since 2006	Head of the research group " <a href="#">(Bio)Hybrid nanoparticles and nanostructures</a> " in the Nanoscience Department of ICB laboratory. This team gained know-how in the field of synthesis and characterization of nanoparticles, particularly SPIONs (Superparamagnetic Iron Oxide Nanoparticles) used as new bimodal contrast agents (MRI/PET, MRI/SPECT, MRI/OI). The team is also specialized in the nanovectorisation of active molecules through titanate nanotubes (transfection agents and vectors of docetaxel).
Since 2009	Full Professor, University of Burgundy (uB), Dijon, France.
Since 2012	Principal investigator and founder of " <a href="#">Bourgogne-Nanocare</a> " platform, Satt Grand Est (Welience), in collaboration with INSERM UMR1231 and BioPeroxiL lab: cytotoxicity assays, genotoxicity assays, DCFDA cellular ROS detection assay, ecotoxicity assays (Zebrafish), biodistribution studies.
	<b>Scientific Career History, Education, Awards</b>
2005	"Habilitation" to supervise academic research in physico-chemistry (uB, Dijon, France)
Sept. 99 – Aug. 09	Assistant Professor, LRRS, UMR 5613 CNRS, uB, Dijon, France
1998-1999	Post-doc researcher, INSA de Lyon (Prof. C. Esnouf). "TEM on different phases of concretes"
1998	European Ceramic Society award (Brighton, UK) French Ceramic Society award (Paris, France) JECH award (Paris, France, French congress on Heterogeneous Kinetic)
1995-1998	PhD Graduation in physico-chemistry (uB, Dijon, France) "Synthesis and properties of nanometric titanium ferrites" (Dir. Prof. P. Perriat)
1995	Both Engineer and Master graduated (ESIREM: top of my class, uB, Dijon, France)
	<b>Important professional Memberships</b>
Since 2020	Elected member of the Research Council of uB and of the <a href="#">Academic Council of UBFC</a>
Since 2018	Member of the steering committee of <a href="#">C'Nano</a>
Since 2018	President of the selection committee for Chemistry of uB
Since 2015	Member of the <a href="#">BFCare</a> cluster
Since 2010	Expert of the ANR agency (since 2010), of the F.R.S.-FNRS (Belgium since 2018) and Sorbonne University (since 2019) Responsible of the "Nanobio" thematic in 3MIM and <a href="#">IMAPPI</a> projects Responsible of an agreement with <a href="#">NVH Medicinal</a> firm

## Relevant publications of the last three years

1. "Antiplatelet effect induced by iron oxide nanoparticles: correlation with conformational change in fibrinogen", R. K. Kottana, L. Maurizi, B. Schnoor, K. Morris, **N. Millot**, A.L. Papa, **Small** 17(1), 2004945 (2021) **IF 11.459**
2. "Elaboration of transresveratrol derivative-loaded superparamagnetic iron oxide nanoparticles for glioma treatment", F. Sallem, D. Vervandier-Fasseur, T. Nury, L. Maurizi, J. Boudon, G. Lizard, **N. Millot\***, **Nanomaterials** 9, 287 (20 pages) (2019) **IF 4.324**
3. "Radiotherapy enhancement in prostate cancer treatment by titanate nanotubes engineered with gold nanoparticles and docetaxel", A. Loiseau, J. Boudon, A. Oudot, M. Moreau, R. Boidot, R. Chassagnon, N.M. Saïd, S. Roux, C. Mirjolet and **N. Millot\***, **Cancers** 11(12), 1962 (21 pages) (2019) **IF 6.126**