



Patricia Taladriz Blanco

PhD in Chemistry

CORE RESEARCH EXPERTISE AND INTERESTS

Nanoparticles, microfluidics, bio-nano interactions, plastics.

Synthesis, characterization, surface modification, and controlled assembly of metal **nanoparticles** in bulk and microfluidic devices. Detection and characterisation of nanoparticles and micro (nano) plastics in complex media. Cell-nanoparticle interactions and thermoplasmonics. Design, fabrication, and applications of microfluidic devices. Project management.

PUBLICATION STATISTICS

h-Index: 9, 27 peer-reviewed scientific papers (4 under revision), 2 journal covers, 333 times cited. First author and corresponding author in 41 % and 12% of the publications, respectively. 20 conference contributions. 3 invited talks.

PROFESSIONAL EXPERIENCE

POSTDOCTORAL RESEARCHER

[International Iberian Nanotechnology Laboratory](#), Portugal 07/2021-Present

[Adolphe Merkle Institute](#), Switzerland 01/2018-01/2021

[University of Braunschweig](#), Germany 04/2017-10/2017

[University of Cambridge](#), UK 05/2015-05/2016

[University of Campinas](#), Brazil 09/2013-04/2015

[University of Vigo](#), Spain 09/2010-12/2010

GROUP LEADER

[Adolphe Merkle Institute](#), Switzerland 02/2021-07/2021

Member of the National Centre of Competence (NCCR) in Research Bio-Inspired Materials 09/2018-07/2021

EDUCATION

University of Vigo, Spain

International Ph.D. in Chemistry 30.11.2012

Advanced studies diploma (MSc) 24.07.2009

Science of colloids and interfaces

BSc in Chemistry 18.07.2007

Physical-Chemistry

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List of PUBLICATIONS

[0000-0002-2469-9704](#)

FUNDING: ~ 118 K €

PARTICIPATION IN R&D PROJECTS (>12)

Conceptualisation

Experimental design

Supervision of PhD students

Writing and edition of publications

Principal investigator

TECHNIQUES

TEM, SEM, DLS, DDLS, Zeta-potential, UV-Vis-NIR, FTIR, SERS, ICP-OES, SAXS, ITC, DSC, TGA, NOA Analyser, ISO-NOP electrode, TDA, CE

LANGUAGES

Spanish, Galician, English and Portuguese

More details upon request