

SARA ABALDE-CELA



LIST OF PUBLICATIONS

* Corresponding author ≠ Authors contributed equally to this work

- L. Wu, A. Garrido-Maestu, J. R. L. Guerreiro, S. Carvalho, **S. Abalde-Cela**, et al., *Nanoscale* (2019) 11, 7781 – 7789
- Teixeira, Juan F. Hernández-Rodríguez, Kevin Oliveira, Lei Wu, Kevin Oliveira, Krishna Kant, Lorena Diéguez, **Sara Abalde-Cela***, *Applied Sciences* (2019), 9 (7), 1387
- **Sara Abalde-Cela**, P. Piai, L. Diéguez, *Acta Cytologica*, (2018), 1-13.
- K. Kant, **S. Abalde-Cela***, *Biosensors*, (2018), 8 (3), 62.
- **S. Abalde-Cela***, P. Taladriz-Banco, M. Ganzarolli de Oliveira, C. Abell, *Scientific Reports* (2018), 8, 2440.
- Garrido-Maestu, S. Azinheiro, J. Carvalho, **S. Abalde-Cela**, et al., *Frontiers in Microbiology* (2017), 8, 2159.
- R. Best, J. J. Lyczakowski, **S. Abalde-Cela**, Z. Yu, C. Abell, A. G. Smith, *Anal. Chem.*, (2016), 88(21):10445-10451
- R. Best, **S. Abalde-Cela**, C. Abell, A. G. Smith, *Current Biotechnology*, (2016), 5 (2): 109-117
- **S. Abalde-Cela**, et al., *Advances in Colloid and Interface Science*, (2016), 233:255-270
- **S. Abalde-Cela**, A. Gold, X. Liu, E. Kazamia, A.G. Smith, C. Abell, *J. Roy. Soc. Interface*, (2015), 12: 2015.0216
- **S. Abalde-Cela**, et al., *J. Phys. Chem. Lett.*, (2014), 5(1), 73-79 ACS LiveSlides
- V. López-Puente, **S. Abalde-Cela**, et al., *J. Phys. Chem. Lett.*, (2013), 4, 2715-2720 ACS LiveSlides
- Rafael Contreras-Cáceres[‡], **Sara Abalde-Cela[‡]**, et al., *Langmuir*, (2011) 27, 4520-4525
- **S. Abalde-Cela**, et al., *ChemPhysChem*, (2011) 12,1529-1535
- **S. Abalde-Cela**, et al., *Soft. Matter.*, (2011) 7, 1321-1325
- **Sara Abalde-Cela**, et al., *J. Roy. Soc. Interface*, (2010), 7, S4335-S450
- **Sara Abalde-Cela** et al., *Angew. Chem. Int. Ed.*, (2009) 48, 5326 –5329.

Major achievements

- ❖ 17 peer-reviewed publications (ca. Citations 600; h-index: 11); 1 patent; more than 30 conference contributions (ca. 10 invited)
- ❖ **Highlighted invited contributions:** External expert on “Microfluidics and microdroplets” to a series of seminars in Japan (2017) by the company Enplas (Japan) in collaboration with Sphere Fluidics Ltd. (Cambridge, UK); postgraduate series at U. Cambridge (2016); Nanoengineering in Medicine master series, Spain-Portugal (2018).
- ❖ **Awards and recognitions:** Chosen as **Success Case by the Research European Agency (REA)** for her advances during the **Marie Curie fellowship** (press release forthcoming); 1 best oral presentation (SynBio conference, London, UK); 3 best poster contributions (4Bio Singapore 2015; LAPASO Lund, Sweden 2017; ETPN Málaga, Spain 2017); extraordinary PhD award 2014; ‘Best project for science and technology’ by the Diputación de Pontevedra (2011).

Owned attracted funding

- ❖ **Marie-Curie fellowship** at INL (2017-now): ‘A portable plasmonic microfluidic sensor for the real-time and online characterisation of cancer cells’ - MSCA-COFUND-2015-FP (grant n. 713640) **110 K €** (2017-2019)
- ❖ **Co- PI:** ‘Innovative Microfluidic Platform for Analysis of myeloid Leukemia blasts (Impact-L)’ - Fundação de Ciencia e Tecnologia project: **260 K €** (2018-2021)
- ❖ **Co-PI:** ‘Microbiome on-a-chip’- inter-centre contest - INL – ICVS (Portugal) **5 K €** (2017-2018)
- ❖ **Co-PI:** ‘Development of a microfluidic device for high-throughput analysis of genetic circuits in plant protoplasts’- SynBio Fund, University of Cambridge - **£ 4 K** (2016-2017)
- ❖ **Associate researcher** (not owned funding): 2 EU COST Actions (2017-now); 2 FP7 projects (U. Cambridge and AIMEN Centro Tecnológico) (2013-2017), 7 national Spanish project and one Galician project (2009-2013).

Transversal activities

- ❖ **Entrepreneurship:** CTO functions for RUBYnanomed (creation January 2018)
- ❖ Promoter of the start-up NanoSmarTech, finalist of the ViaVigo Incubation Programme in 2016.

- ❖ **Teaching experience:** The applicant has lectured at U. Vigo (Spain), U- Cambridge (UK), U. Minho (Portugal), both for undergraduate and master courses.
- ❖ **Outreach and dissemination:** UK, Portugal and Spain at schools and hospitals.
- ❖ **Featured in news:** **(1)** October 2018 - SAPO24 - RUBYnanomed press release - "Aqui todos os dias se prova que o (quase) invisível aos olhos é mesmo essencial"; **(2)** June 2017 - Faro de Vigo - NERD Mission 2017 - Bringing Science to Hospitals; **(3)** January 2014-Faro de Vigo- 'Premio a las horas de biblioteca y laboratorio'; **(4)** September 2013-Faro de Vigo- 'Gallegos en la cima-Sara Abalde-Cela'; **(5)** December 2012-Faro de Vigo - 'Una apuesta por la investigación y la cultura'; **(6)** December 2012-La Voz de Galicia-'La Diputación premia a investigadores y artistas'