

PhD course

"Eureka! I have a great idea and now...?" Launching of Gate2Brain Startup.

CURRICUL VITAE

Meritxell Teixidó



1 Short CV

Meritxell Teixidó holds a PhD in Organic Chemistry from the University of Barcelona (UB) and an eMBA in Entrepreneurship, Innovation and International Business from UOC. At a scientific level, her field is the synthesis of peptides and the discovery of peptides capable of crossing biological barriers and she was responsible for this research line at the IRB Barcelona during more than 15 years, where she co-directed 10 doctoral theses, published more than 50 articles and participated in 7 patents.

After dedicating more than 15 years to biomedical research at IRB Barcelona, trying to improve the arrival of drugs to the brain by crossing the blood-brain barrier that protects it. She decided to jump more barriers and be the CEO/CSO of Gate2Brain SL. in order to bring technology closer to patients, a challenge and an honor. Jumping barriers is perhaps the common thread that describes her, combining science and innovation with a new vision on leadership, for which she received the Spanish Woman Startup Award 2022 - Inspiration.

2 Bibliometric data

Co-directed 10 doctoral theses, published more than 50 articles and participated in 7 patents.

Total citations: 629

Citations per year (average last 5 years): 39.75

Articles in first quartile (Q1): 23(Q1) from 42

Articles in first decile (D1): 15(D1) from 42

h-Index: 15

3 Selection of the 10 most relevant publications and/or patents

1. Sánchez-Navarro, M., Giralt, E., **Teixidó, M.*** 2017, Blood-brain barrier peptide shuttles. *Curr. Opin. Chem. Biol.* 2017, 38, 134-140. 3/3
2. Sánchez-Navarro, M., **Teixidó, M.***, Giralt, E.* 2017, Jumping hurdles: Peptides able to overcome biological barriers. *Acc. Chem. Res.* 2017, 50, 1847-1854. 3/2
- 3 . Oller-Salvia, B., Sánchez-Navarro, M., Giralt, E.*, **Teixidó, M.*** 2016, Blood-brain barrier paradigm, *Chem. Soc. Rev.*, 2016, 45, 4690-4707. 4/4
4. Oller-Salvia, B., Sánchez-Navarro, M., Ciudad, S., Guiu, M., Arranz-Gibert, P., Garcia, C., Gomis, R., Cecchelli, R., García, J., Giralt, E.*, **Teixidó, M.*** 2016, MiniAp-4: A venom-inspired peptidomimetic for brain delivery, *Angew. Chem. Int. Ed.*, 2016, 55 572-575. 11/11
5. Arranz-Gibert, P., Guixer, B., Malakoutikhah, M., Muttenthaler, M., Guzman, F., **Teixidó, M.***, Giralt, E.* 2015, Lipid bilayer crossing - the gate of symmetry. Water-soluble phenylproline-based blood-brain barrier-shuttles, *J. Am. Chem. Soc.*, 137: 7357-7364. 7/6
6. Prades, R., Oller-Salvia, B., Schwarzmaier, S. M., Selva, J., Balbi, M., Grazú, V., de la Fuente, J. M., Egea, G., Plesnila, N., **Teixidó, M.***, Giralt*, E. 2015, Applying the retro-enantio approach to obtain a peptide capable of overcoming the blood-brain barrier, *Angew. Chem. Int. Ed.* 54: 3967-3972. 11/10
7. Prades, R., Guerrero, S., Araya, E., Molina, C., Salas, E., Zurita, E., Selva, J., Egea, G., López-Iglesias, C., **Teixidó, M.**, Kogan, M.J.*, Giralt, E.* 2012, Delivery of gold nanoparticles to the brain by conjugation with a peptide that recognizes the transferrin receptor. *Biomaterials*, 33: 7194-7205. 12/10
8. Malakoutikhah, M., Prades, R., **Teixido, M.**, Giralt, E.* 2010, *N*-Methyl phenylalanine-rich peptides as highly versatile blood-brain barrier shuttles. *J. Med. Chem.*, 53: 2354-2363. 4/3
9. Malakoutikhah, M., **Teixidó, M.**, Giralt, E.* 2008, Towards an optimal BBB-shuttle by synthesis and evaluation of peptide libraries, *J. Med. Chem.*, 51: 4881-4889. 3/2
10. **Teixidó, M.**, Zurita, E., Malakoutikhh, M., Tarragó, T., Giralt, E.* 2007, Diketopiperazines as a tool for the study of transport across the blood brain barrier (BBB) and their potential use as BBB-shuttles, *J. Am. Chem. Soc.* 129: 11802-11813. 5/1

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