

Prof **Giuseppe Battaglia**, PhD

Education

(2006) PhD in Physical Chemistry, University of Sheffield, UK
(2001) *Laurea* in Chemical Engineering, University of Palermo, Italy

Career history

(2019 - today)	Group Leader -Institute for Bioengineering of Catalonia (IBEC), The Barcelona Institute for Science and Technology (BIST), Barcelona, Spain.
(2019 - today)	ICREA Research Professor - Catalan Institution for Research and Advanced Studies (ICREA) Barcelona, Spain
(2022 - today)	Honorary Professor in Biophysical Chemistry, University College London (UCL), UK
(2013 - 2022)	Professor in Molecular Bionics -Dept of Chemistry, Institute of Physics for Living Systems, Institute of Structural and Molecular Biology, City of London Cancer Research UK Centre, University College London (UCL), UK
(2019- today)	Visiting Professor West China Hospital Sichuan University, Chengdu, China
(2017- 2019)	Visiting Professor Anhui University (100 talents Anhui Province), Hefei, China
(2006-2011)	Professor in Synthetic Biology, (2009-2011) Associate Professor (S Lecturer)- The Krebs Institute, School of Biological Sciences, The University of Sheffield, UK (2006-2009) Assistant Professor (Lecturer) - The Kroto Institute, Dept of Material Sci. Eng, The University of Sheffield, UK
(2001-2002)	Research Process Engineer, ICI Strategic Technology Group, Wilton, UK

Awards and Fellowships

2018 ERC Consolidator Award. 2018 Fellow of The Institute of Materials, Minerals and Mining
2017 Fellow of the Royal Society of Biology. 2017 Fellow of the Royal Society of Chemistry. 2017 The Anhui Province 100 talent. Visiting professorship. 2016 ESPRC Established Career Fellowship. 2015 McBain Medal for Colloid Science 2014 RSC Thomas Graham Lecture. 2012 Special Award for contribution to Polymer Therapeutics. 2011 ERC Starting Grant Award. 2011 GSK Emerging Scientist Award. 2011 PPG/DPOLY Polymer Physics Exchange Lecture Award. awarded by the American Physical Society and the UK Institute of Physics. 2009 Human Frontier Science Program Young Investigator award. (jointly with Prof A. Engler UCSD).

Research Support

Total to date: .€38,827,054 (€24,058,210 as PI)

Current (PI): 2023-2026 **Activitat científica dels grups de recerca de Catalunya (SGR-Cat 2021) €40,000.** 2023-2025 ERC Proof-of-concept €150,000. 2023-2026 Alzheimer's Association NTF award €186,380 2023-2025 Plan de Recuperacion Nacional Biotech for Health €350,000 2021-2024 Plan Nacional MINECO €210,153 2020-2023 FEDER Equipment grant €3,457,562 2020-2023 Equipamiento científico MINECO 2019 €312,169. 2020-2024 BBSRC/Astrazeneca. £88,910 2018-2023 ERC Consolidator grant £1,843,850 2018-2023

Selected publications (out of 142)

H-Index: 58; H-Index age normalised: 3.22; i-10 index: 115; i-100 index: 39 *Senior author

1. S. Acosta-Gutiérrez*, J. Buckley, G. Battaglia* The Role of Host Cell Glycans on Virus Infectivity: The SARS-CoV-2 Case **Adv Sci.** 2023, 2201853
2. S. Acosta-Gutiérrez, D. Matias, M. Avila-Olias, V. M. Gouveia, E. Scarpa, J. Forth, C. Contini, A. Duro-Castano, L. Rizzello, G. Battaglia* A Multiscale study of phosphorylcholine driven cellular phenotypic targeting **ACS Central Sci.** 2022, 8, 7, 891-904, (front cover article)
3. D. Moreira-Leite, M. Seifi, L. Ruiz-Perez, F. Nguemo, M. Plomann, J. D. Swinny, G. Battaglia **Brain Comm.** 2022, 6, 4, fcac039
4. V. M. Gouveia, L. Rizzello, B. Vidal, C. Nunes, A. Poma, C. Lopez-Vasquez, E. Scarpa, S. Brander, A. Oliveira, J. E. Fonseca, S. Reis, G. Battaglia* Targeting activated macrophages intracellular milieu to augment anti-inflammatory drug potency **Adv. Therap.** 2022, 5 (3), 2100167 (front cover article)
5. A. Duro-Castano*, L. Rodríguez-Arco, L. Ruiz-Pérez, C. De Pace, G. Marchello, C. Noble-Jesus, G. Battaglia* **Biomacromolecules** 2021,22 , 5052-5064
6. X. Tian, D. Moreira-Leite, E. Scarpa, S. Nyberg, G. Fullstone, J. Forth, D. Lourenco-Matias, A. Apriceno, A. Poma, A. Duro-Castano, M. Vuyyuru, L. Harker-Kirschneck, A. Saric, Z. Zhang, P. Xiang, B. Fang, Y. Tian, L. Luo, L. Rizzello, G. Battaglia **Science Adv.** 2020, 6, eabc4397
7. I. Williams*, S. Lee, A. Apriceno, R. P. Sear, G. Battaglia* **PNAS** 2020, 17, 25263-25271
8. M.Liu, A.Apriceno, M.Sipin, E.Scarpa, L.Rodriguez-Arco, A.Poma, G.Marchello, G.Battaglia*, S. Angioletti-Uberti* **Nature Comm.** 2020 11, 4836
9. X Tian* , C. De Pace, L. Ruiz-Perez, D. Chen, R. Su, M. Zhang, R. Zhang, Q. Zhang, Q. Wang, H. Zhou, J. Wu,, Z. Zhang, Y. Tian, and G. Battaglia* **Adv. Mater.**, 2020, 32, 2003901 (Front Cover Article)
10. F. Fenaroli, J. D. Robertson, V. Gouveia, C. Di Guglielmo, C. De Pace, E. Scarpa, P. M Elks, D. Evangelopoulos, J. Ortiz Canseco, S. Yona, H. M Marriott, D. H Dockrell, S. Foster, T. McHugh, S. A Renshaw, J. Samitier, G. Battaglia* and L. Rizzello* Polymersomes Eradicating Intracellular Bacteria **ACS Nano** 2020, 14, 7, 8287-8298 (front cover article)
11. X. Tian, S. Angioletti-Uberti, and G. Battaglia* **Science Adv.** 2020, 6, 4, eaat0919
12. Y Zhu, A. Poma, L.Rizzello, V. Gouveia, L. Ruiz-Perez, G. Battaglia*, and C. K. Williams* **Angew. Chem. Int. Ed.**, 2019, 8, 4581 -4586
13. A. Joseph, C. Contini, D. Cecchin, S. Nyberg, L.Ruiz-Perez, J .Gaitsch, G. Fullstone, J. Azizi, J. Preston, G. Volpe, G. Battaglia* **Science Adv.** 2017, 3, 8, e1700362
14. L. Ruiz Perez, L. Messenger, J. Gaitsch, A. Joseph, L. Sutto, F. L. Gervasio and G. Battaglia* **Science Adv.** 2016, e1500948
15. J. D. Robertson, G. Yealland, M. Avila-Olias, L. Chierico, O. Bandman, S. A. Renshaw, G. Battaglia* **ACS Nano**, 2014, 8, 4650-4661
16. L.Wang,L. Chierico,D. Little,N. Patikarnmonthon, Z. Yang, M. Azzouz, J. Madsen, S.P. Armes, G. Battaglia* **Angew. Chem. Int. Ed.** 2012, 51, 11122-11125.
17. C. LoPresti,M. Massignani, C. Fernyhough, A. Blanz, A. J.. Ryan, J. Madsen, N. J. Warren, S. P. Armes, A. L. Lewis, S. Chirasatitsin, A. Engler, G. Battaglia* **ACS Nano** 2011, 5 (3),1775-1784
18. M. R. Gill, J. Garcia-Lara, S. J. Foster, C. Smythe, G. Battaglia* and J. A. Thomas* **Nature Chem.** 2009, 1, 662 - 667
19. J.R. Howse, R.A.L. Jones, G. Battaglia, R. Ducker, G. Leggett and A.J. Ryan* **Nature Mater.** 2009, 8, 507 - 511 (Front cover article)
20. H. Lomas, I. Canton, S. MacNeil, J. Du, S.P. Armes, A.J. Ryan, A.L. Lewis and G. Battaglia* **Adv. Mater.** 2007, 19, 4238-4243