

Curriculum Vitae

Personal information Angel Concheiro

Work experience

1. Employer: University of Santiago de Compostela
 - Start date: 01/09/2022
 - End date:
 - Position: Full Professor (Catedrático Emérito)
 - Activities: Teaching and Research
 - Country: Spain

Education and training

1. Subject: PhD in Pharmacy
 - Start date: 101978
 - End date: 071981
 - Qualification:
 - Organisation: University of Santiago de Compostela
 - Country: Spain
2. Subject: PhD in Chemistry
 - Start date: 101973
 - End date: 071976
 - Qualification:
 - Organisation: University of Santiago de Compostela
 - Country: Spain
3. Subject: Degree in Chemistry
 - Start date: 101968
 - End date: 061973
 - Qualification:
 - Organisation: University of Santiago de Compostela
 - Country: Spain

Additional information

Publications

- 1.- C. Alvarez-Lorenzo, M. Zarur, A. Seijo-Rabina, B. Blanco-Fernandez, I. Rodríguez-Moldes, [A. Concheiro](#), 2023. Physical stimuli-emitting scaffolds: the role of piezoelectricity in regenerative medicine. *Materials Today Bio.* 22: 100740. IF: 8.2; Q1.
- 2.- C. Alvarez-Lorenzo, M. Vivero-Lopez, [A. Concheiro](#), 2023. Contact lenses that transform gold into nanoparticles for prophylaxis of light-related events and photothermal therapy. *Int. J. Pharm.* 641: 123048. IF: 6.51; Q1.
- 3.- X. Farto-Vaamonde, L. Diaz-Gomez, A. Parga, A. Otero, [A. Concheiro](#), C. Alvarez-Lorenzo, 2022. Perimeter and carvacrol-loading regulate angiogenesis and biofilm growth in 3D printed PLA scaffolds *J. Control. Release* 352: 776-792. IF: 10.8; Q1.
- 4.- L. Diaz-Gomez, I. Gonzalez-Prada, R. Millan, A. Da Silva-Candal, A. Bugallo-Casal, F. Campos, [A. Concheiro](#), C. Alvarez-Lorenzo, 2022. 3D Printed carboxymethyl cellulose scaffolds for autologous growth factors delivery in wound healing. *Carbohydr. Polym.* 278:118924. IF: 11.2; Q1.
- 5.- A.F. Pereira-da-Mota, M. Vivero-Lopez, M. Serramito, L. Diaz-Gomez, A.P. Serro, G. Carracedo, F. Huete-Toral, [A. Concheiro](#), C. Alvarez-Lorenzo, 2022. Contact lenses for pravastatin delivery to eye segments: design and in vitro-in vivo correlations. *J. Control. Release* 348:431-443. IF: 10.8; Q1.
- 6.- P.C. Caracciolo, P. Diaz-Rodriguez, I. Ardao, D. Moreira, F. Montini-Ballarin, G.A. Abraham, [A. Concheiro](#), C. Alvarez-Lorenzo, 2021. Evaluation of human umbilical vein endothelial cells growth onto heparin-modified electrospun vascular grafts. *Int. J. Biol. Macromol.* 179:567-575. IF: 8.025; Q1 (D1).
- 7.- M. Pereira-Silva, A.C. Santos, J. Conde, C. Hoskins, [A. Concheiro](#), C. Alvarez-Lorenzo, F. Veiga, 2020. Biomimetic cancer cell membrane-coated nanosystems as next-generation cancer therapies. *Expert Opin. Drug Deliv.* 17:1515-1518. IF: 6.648; Q1.
- 8.- X. Farto-Vaamonde, G. Auriemma, R.P. Aquino, [A. Concheiro](#), C. Alvarez-Lorenzo, 2019. Post-manufacture loading of filaments and 3D printed PLA scaffolds with prednisolone and dexamethasone for tissue regeneration applications. *Eur. J. Pharm. Biopharm.* 141:100-110. IF: 4.604; Q1.
- 9.- C.A. García-González, J. Barros, A. Rey-Rico, P. Redondo, J.L. Gómez-Amoza, [A. Concheiro](#), C. Alvarez-Lorenzo, F.J. Monteiro, 2018. Antimicrobial properties and osteogenicity of vancomycin-loaded synthetic scaffolds obtained by supercritical foaming. *ACS Appl. Mater. Interf.* 10:3349-3360. IF: 8.456; Q1 (D1).
- 10.- P.C. Caracciolo, M.I. Rial-Hermida, F. Montini-Ballarin, G.A. Abraham, [A. Concheiro](#), C. Alvarez-Lorenzo, 2017. Surface-modified bioresorbable electrospun scaffolds for improving hemocompatibility of vascular grafts. *Mat. Sci. Eng. C* 75:1115-1127. IF: 5.080; Q1.

Projects

Research projects

- 1.- PLEC2022-009217: Encapsulación de células CART en sistemas porosos nanoestructurados bioactivos para su liberación dirigida en tumores sólidos. Plan de Recuperación, Transformación y Resiliencia. Proyectos en Líneas Estratégicas 2022. 02/01/2023-31/12/2024. Group member: [Angel Concheiro](#).
- 2.- PID2020-113881RB-I00: 5D architectures for regenerative medicine and localized therapy (BIOMAT-5D). RETOS MINECO. 01/09/2021-31/12/2023. PI1: C. Alvarez Lorenzo, [PI2: Angel Concheiro](#).
- 3.- AC19/00067: Silk-fibroin interventional nano-trap for the treatment of glioblastoma (GLIOSILK). ISCIII Acción Estratégica en Salud 2019 associated to an EURONANOMED III awarded project. 01/01/2020-31/12/2023. PI: C. Alvarez Lorenzo. [Research Team member](#).
- 4.- ORBITAL (Ref. 813440): Ocular Research By Integrated Training And Learning. H2020-MSCA-ITN-2018 (Total 4066231.32 euros). 02/09/2019-31/08/2023. PI: L. Fitzhenry (WIT, Ireland). PI at USC: C. Alvarez-Lorenzo. [Research Team member](#).
- 5.- SAF2017-83118-R: Active 3D polymeric architectures for regenerative medicine and localized therapy (ACTIVE-3DBIOMAT). RETOS MINECO. 01/01/2018-31/12/2020. PI1: C. Alvarez Lorenzo, [PI2: Angel Concheiro](#).

Patents

- 1.-Alvarez Lorenzo, C., [Concheiro Nine, A.](#) Gold nanoparticle hydrogels. EP23382049.7. Priority: 23/01/2023.
- 2.-Alvarez Lorenzo, C., Garcia Valle, I., Vivero López, M., [Concheiro Nine, A.](#) Hydrogels incorporating atropine. EP23382050. EU. Priority: 23/01/2023. Licensed.
- 3.-Alvarez Lorenzo, C., [Concheiro Nine, A.](#) Lipoic acid hydrogels. PCT/ES2017/070282; WO 2018/202925A1. EU, Granted 05/05/2017. USC. Licensed to HGBeyond Materials Science.
- 4.- Alvarez Lorenzo, C., Cabana Montenegro, S., Barbosa Fernandez, S., Taboada Antelo, P., [Concheiro Nine, A.](#) Medical device for antimicrobial treatment by photothermia. ES2637035B2. Spain. Granted 11/05/2018.
- 5.-Alvarez Rivera, F., [Concheiro Nine, A.](#), Alvarez Lorenzo, C. Hydrogels for administering drugs that are aldose reductase inhibitors. ES2604196B2. Spain. Granted 04/09/2017.
- 6.- Garcia González, C., Diaz Gómez, L., Alvarez Lorenzo, C., [Concheiro Nine, A.](#) System for administering biologically active substances produced by foaming techniques using compressed gases or supercritical fluids. ES2546566B2. Spain, EU, USA. Granted 07/09/2016. WO2017013288A1. ECOBONE valorisation program.
- 7.- Alvarez Lorenzo, C., González Chomón, C., [Concheiro Nine, A.](#) Contact lenses for allergic conjunctivitis. ES2550105B2. Spain. Granted 30/09/2016.
- 8.- Segura, T., Burillo, G., Puga Giménez de Azcárate, A., Alvarez-Lorenzo, C., [Concheiro Nine, A.](#) Bioinspired antifungal systems. ES2530915B2. Spain and Mexico. Granted 09/10/2015.
- 9.- Alvarez-Lorenzo, C., [Concheiro Nine, A.](#), Simoes, S. Poloxamine hydrogels and the use thereof for bone regeneration or repair. ES2492015B1, WO2014122345A1. Spain. Granted 28/08/2015.
- 10.- Alvarez-Lorenzo, C., Rey Rico, A., Silva Rivera, M., Couceiro Follente, J., [Concheiro Nine, A.](#) Use of poloxamines as inducers of the osteogenic differentiation of mesenchymal cells. WO 2011144785 A1, ES2370205 B2. Priority: EU. Granted 22/06/2012. USC. No licensed.

Memberships

Member of the Spanish Society of Pharmaceutics and Pharmaceutical Technology.

Other Relevant Information

Angel Concheiro Nine is **Professor Emeritus** at the University of Santiago de Compostela (USC) since October 2022. He oversaw the launch of the **Institute of Materials at USC** (iMATUS) serving as **Director Commissioner** (February 2021-June 2022) and is now a member of the Scientific Council (Materials for Health Axis). He is a **Pharmacist Specialist** in Industrial and Galenic Pharmacy, and Analysis and Control of Medications and Drugs.

Angel is a founding member of the **I+DFarma group**, recognized as a Competitive Reference Group by the Xunta de Galicia since 2007 (<http://idfarmausc.es/>). His **research focuses** on the design and evaluation of drug delivery systems for controlled and stimulus-responsive release; intelligent and imprinted polymer hydrogels; biomimetic drug-medical device combination products, such as medicated contact lenses; medical devices modified for prevention of biofilm formation; and 2D and 3D polymeric scaffolds for regenerative medicine. His activity has a marked **multidisciplinary** component as reflected in his **wide network** of national and international collaborators (from 25 different countries).