

CV Date	27/06/2025
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## Part A. PERSONAL INFORMATION

First Name	Eugenio		
Family Name	Velasco Ortega		
Sex		Date of Birth	
ID number Social Security, Passport			
URL Web			
Email Address			
Open Researcher and Contributor ID (ORCID)			

### A.1. Current position

Job Title	Catedrático de Universidad		
Starting date	2022		
Institution	Universidad de Sevilla		
Department / Centre	Estomatología		
Country	Spain	Phone Number	
Keywords			

## Part C. RELEVANT ACCOMPLISHMENTS

### C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 Scientific paper.** (1/11) Velasco-Ortega, Eugenio; Pato-Mourelo, Jesús; López-López, Borja; et al; Ortiz-García, Iván. 2025. Long-Term Clinical Study on Sandblasted-Acid-Etched Surface Dental Implants: 12-Year Follow-Up. MATERIALS. MDPI. 18-1. ISSN 1996-1944. <https://doi.org/10.3390/ma18010183>
- 2 Scientific paper.** Riedel, Rodrigo; Perez-Amodio, Soledad; Cabo-Zabala, Laura; et al; Jimenez-Guerra, Alvaro; (4/11) Velasco-Ortega, Eugenio. 2024. Influence of the Surface Topography of Titanium Dental Implants on the Behavior of Human Amniotic Stem Cells. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. MDPI AG; MDPI. 25-13. ISSN 1422-0067, ISSN 1661-6596. <https://doi.org/10.3390/ijms25137416>
- 3 Scientific paper.** (1/9) Velasco-Ortega, Eugenio; Fos-Parra, Isabel; Cabanillas-Balsera, Daniel; et al; Jiménez-Guerra, Álvaro. 2023. Osteoblastic cell behavior and gene expression related to bone metabolism on different titanium surfaces. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. MDPI AG; MDPI. 24-4. ISSN 1422-0067, ISSN 1661-6596. <https://doi.org/10.3390/ijms24043523>
- 4 Scientific paper.** Rodríguez-González, Raquel; Monsalve-Guil, Loreto; Jiménez-Guerra, Álvaro; et al; Ortiz-García, Iván; (4/9) Velasco-Ortega, Eugenio. 2023. Relevant aspects of titanium topography for osteoblastic adhesion and inhibition of bacterial colonization. MATERIALS. MDPI. 16-9. ISSN 1996-1944. <https://doi.org/10.3390/ma16093553>
- 5 Scientific paper.** (1/9) Velasco-Ortega, Eugenio; Jiménez-Guerra, Alvaro; Ortiz-García, Iván; et al; Monsalve-Guil, Loreto. 2023. Silver coating on dental implant-abutment connection screws as potential strategy to prevent loosening and minimizing bacteria adhesion. Frontiers in Bioengineering and Biotechnology. Frontiers Research Foundation; FRONTIERS MEDIA SA. 11. ISSN 2296-4185. <https://doi.org/10.3389/fbioe.2023.1293582>

- 6 **Scientific paper.** Covani, Ugo; Giammarinaro, Enrica; Di Pietro, Natalia; et al; Marconcini, Simone; (7/11) Velasco-Ortega, Eugenio. 2023. Electron Microscopy (EM) Analysis of Collagen Fibers in the Peri-Implant Soft Tissues around Two Different Abutments. JOURNAL OF FUNCTIONAL BIOMATERIALS. MDPI. 14-9. ISSN 2079-4983. <https://doi.org/10.3390/jfb14090445>
- 7 **Scientific paper.** Cruz, Nuno; Tondela, João Paulo; Martins, Maria Ines; (4/5) Velasco-Ortega, Eugenio; Gil, Javier. 2022. Optimization of titanium dental mesh surfaces for biological sealing and prevention of bacterial colonization. MATERIALS. MDPI. 15-7. ISSN 1996-1944. <https://doi.org/10.3390/ma15072651>
- 8 **Scientific paper.** Bertran Faus, Anna; Cordero Bayo, José; (3/7) Velasco-Ortega, Eugenio; Torrejon-Moya, Aina; Fernández-Velilla, Francesca; García, Fernando; López-López, José. 2022. Customized titanium mesh for guided bone regeneration with autologous bone and xenograft. MATERIALS. MDPI. 15-18. ISSN 1996-1944. <https://doi.org/10.3390/ma15186271>
- 9 **Scientific paper.** González-Sánchez, Zaira; Areal Quecuty, Victoria; Jimenez-Guerra, Alvaro; Cabanillas-Balsera, Daniel; Gil, Francisco Javier; (6/7) Velasco-Ortega, Eugenio (AC); Pozo, David. 2022. Titanium Surface Characteristics Induce the Specific Reprogramming of Toll-like Receptor Signaling in Macrophages. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. MDPI AG; MDPI. 23-8. ISSN 1422-0067, ISSN 1661-6596. <https://doi.org/10.3390/ijms23084285>
- 10 **Scientific paper.** Palacios-Garzón, N.; Mauri-Obradors, E.; Ayuso-Montero, R.; (4/6) Velasco-Ortega, E.; Anglada-Cantarell, J. M.; López-López, J. 2022. Marginal bone loss in internal conical connection implants placed at the crestal and subcrestal levels before prosthetic loading: a randomized clinical study. MATERIALS. MDPI. 15-10. ISSN 1996-1944. <https://doi.org/10.3390/ma15103729>
- 11 **Scientific paper.** (1/6) Velasco-Ortega, Eugenio (AC); Valente, Nicola Alberto; Iezzi, Giovanna; Petrini, Morena; Derchi, Giacomo; Barone, Antonio. 2021. Maxillary sinus augmentation with three different biomaterials: histological, histomorphometric, clinical, and patient-reported outcomes from a randomized controlled trial. CLINICAL IMPLANT DENTISTRY AND RELATED RESEARCH. WILEY. 23-1, pp.86-95. ISSN 1523-0899, ISSN 1708-8208. <https://doi.org/10.1111/cid.12964>
- 12 **Scientific paper.** (1/10) Velasco-Ortega, Eugenio; Ortiz-García, Iván; Jiménez-Guerra, Álvaro; et al; Monsalve-Guil, Loreto. 2021. Osseointegration of sandblasted and acid-etched implant surfaces. A histological and histomorphometric study in the rabbit. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES. MDPI AG; MDPI. 22-16. ISSN 1422-0067, ISSN 1661-6596. <https://doi.org/10.3390/ijms22168507>
- 13 **Scientific paper.** Gil, Javier; Manero, José María; Rupérez, Elisa; (4/7) Velasco-Ortega, Eugenio (AC); Jiménez-Guerra, Álvaro; Ortiz-García, Iván; Monsalve-Guil, Loreto. 2021. Mineralization of titanium surfaces: biomimetic implants. MATERIALS. MDPI. 14-11. ISSN 1996-1944. <https://doi.org/10.3390/ma14112879>
- 14 **Scientific paper.** Blázquez-Hinarejos, Mónica; Saka-Herrán, Constanza; Díez-Alonso, Víctor; Ayuso-Montero, Raúl; (5/6) Velasco-Ortega, Eugenio; López-López, José. 2021. Reliability and agreement of three devices for measuring implant stability quotient in the animal ex vivo model. APPLIED SCIENCES-BASEL. MDPI. 11-8. ISSN 2076-3417. <https://doi.org/10.3390/app11083453>
- 15 **Scientific paper.** (1/10) Velasco-Ortega, Eugenio; Jiménez-Guerra, Álvaro; Ortiz-García, Iván; et al; Monsalve-Guil, Loreto. 2021. Implant treatment by guided surgery supporting overdentures in edentulous mandible patients. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. MDPI. 18-22. ISSN 1660-4601, ISSN 1661-7827. <https://doi.org/10.3390/ijerph182211836>

- 16 Scientific paper.** Arcas-Sanabre, A. J.; Gutierrez-Santamaria, J.; López-López, J.; Ayuso-Montero, R.; (5/5) Velasco-Ortega, E.2020. Horizontal augmentation of the maxillary alveolar ridge to change the prosthetic profile: clinical and radiological results of a retrospective study. JOURNAL OF STOMATOLOGY ORAL AND MAXILLOFACIAL SURGERY. ELSEVIER SCIENCE BV. 121-1, pp.25-29. ISSN 2468-7855. <https://doi.org/10.1016/j.jormas.2019.08.001>
- 17 Scientific paper.** Alfonsi, Fortunato; Baldi, Niccolò; Romeggio, Stefano; Tonelli, Paolo; Iezzi, Giovanna; (6/7) Velasco-Ortega, Eugenio; Barone, Antonio. 2020. Histomorphometric and clinical analysis of ridge preservation procedures in extraction sockets with buccal bone defects (>5mm) using an in situ hardening biphasic calcium phosphate (HA/β-TCP) graft and a bioresorbable matrix: A human study at 6 months. APPLIED SCIENCES-BASEL. MDPI. 10-9. ISSN 2076-3417. <https://doi.org/10.3390/app10093034>
- 18 Scientific paper.** Montero, Javier; Fernández-Ruiz, Alberto; Pardal-Peláez, Beatriz; Jiménez-Guerra, Alvaro; (5/7) Velasco-Ortega, Eugenio (AC); Nicolás-Silvente, Ana I.; Monsalve-Guil, Loreto. 2020. Effect of rough surface platforms on the mucosal attachment and the marginal bone loss of implants: A dog study. MATERIALS. MDPI. 13-3. ISSN 1996-1944. <https://doi.org/10.3390/ma13030802>
- 19 Scientific paper.** (1/7) Velasco-Ortega, Eugenio; Jimenez-Guerra, Alvaro; Monsalve-Guil, Loreto; Ortiz-Garcia, Ivan; Nicolas-Silvente, Ana I.; Segura-Egea, Juan J.; Lopez-Lopez, Jose. 2020. Long-term clinical outcomes of treatment with dental implants with acid etched surface. MATERIALS. MDPI. 13-7. ISSN 1996-1944. <https://doi.org/10.3390/ma13071553>
- 20 Scientific paper.** Nicolás-Silvente, Ana I.; (2/8) Velasco-Ortega, Eugenio (AC); Ortiz-García, Iván; Jiménez-Guerra, Álvaro; Monsalve-Guil, Loreto; Ayuso-Montero, Raúl; Gil, Javier; López-López, José. 2020. Influence of connection type and platform diameter on titanium dental implants fatigue: non-axial loading cyclic test analysis. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. MDPI. 17-23, pp.1-11. ISSN 1660-4601, ISSN 1661-7827. <https://doi.org/10.3390/ijerph17238988>
- 21 Scientific paper.** Nicolas-Silvente, Ana Isabel; (2/6) Velasco-Ortega, Eugenio (AC); Ortiz-Garcia, Ivan; Monsalve-Guil, Loreto; Gil, Javier; Jimenez-Guerra, Alvaro. 2020. Influence of the titanium implant surface treatment on the surface roughness and chemical composition. MATERIALS. MDPI. 13-2. ISSN 1996-1944. <https://doi.org/10.3390/ma13020314>
- 22 Bibliographic review.** Aceves-Argemí, Ricard; Roca-Millan, Elisabet; González-Navarro, Beatriz; Marí-Roig, Antonio; (5/6) Velasco-Ortega, Eugenio; López-López, José. 2021. Titanium meshes in guided bone regeneration: a systematic review. COATINGS. MDPI. 11-3. ISSN 2079-6412. <https://doi.org/10.3390/coatings11030316>
- 23 Bibliographic review.** Egido-Moreno, Sonia; Valls-Roca-umbert, Joan; Céspedes-Sánchez, Juan Manuel; López-López, José; (5/5) Velasco-Ortega, Eugenio. 2021. Clinical efficacy of mesenchymal stem cells in bone regeneration in oral implantology. Systematic review and meta-analysis. INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH. MDPI. 18-3, pp.1-12. ISSN 1660-4601, ISSN 1661-7827. <https://doi.org/10.3390/ijerph18030894>
- 24 Bibliographic review.** Ortega-Mejia, Holmes; Estrugo-Devesa, Albert; Saka-Herrán, Constanza; Ayuso-Montero, Raúl; López-López, José; (6/6) Velasco-Ortega, Eugenio. 2020. Platelet-rich plasma in maxillary sinus augmentation: Systematic review. MATERIALS. MDPI. 13-3. ISSN 1996-1944. <https://doi.org/10.3390/ma13030622>

### C.3. Research projects and contracts

- 1 Project.** PID2022-137911OB-I00, Diseño e impresión 3D de implantes bifásicos porosos personalizados para el tratamiento de defectos osteocondrales. Ministerio de Ciencia e Innovación. Torres Hernández, Yadir. 01/09/2023-31/08/2026. 175.000 €.
- 2 Project.** PDC2022-133369-I00, Implante dental poroso, procedimiento de fabricación y modificación superficial. Ministerio de Ciencia e Innovación. Torres Hernández, Yadir. 01/12/2022-30/11/2024. 115.000 €.

- 3 **Project.** PID2019-109371GB-I00, Implantes de Base Titanio con Rigidez Adaptada, Superficie Biofuncionalizada y Poros Rellenos con Polímeros Biodegradables, Antibacterianos y Potencial Actividad Terapéutica. Ministerio de Ciencia, Innovación y Universidades. Torres Hernández, Yadir. 01/06/2020-30/11/2023. 121.000 €.
- 4 **Project.** P20\_00671, Fabricación y caracterización de cilindros con gradiente de porosidad longitudinal mediante congelación dirigida, modificación superficial e infiltración con un compuesto de quitosano y bio-vidrios para sustitución de tejido óseo. Consejería de Economía, Conocimiento, Empresas y Universidad. Torres Hernández, Yadir. 05/10/2021-31/03/2023. 43.500 €.
- 5 **Contract.** Desarrollo de una conexión implante-pilar para la mejora de su fijación biomecánica y prevención de la periimplantitis. Biobag. (IDI-20250153) Nueva Galimplant SLU. Velasco Ortega, Eugenio. 20/03/2025-20/06/2027. 72.600 €.
- 6 **Contract.** Estudio de la Regeneración Ósea con Membranas mediante el crecimiento y diferenciación de Osteoblastos OSTEÓGENOS S.R.L.. Jiménez Guerra, Álvaro. 13/02/2025-13/02/2026. 14.967,34 €.
- 7 **Contract.** La Valoración del Comportamiento y Desarrollo de Las Células Madre Humanas en distintos Materiales Dentales Nueva Galimplant SLU. Jiménez Guerra, Álvaro. 25/09/2024-25/09/2025. 12.100 €.
- 8 **Contract.** Histología de la regeneración ósea en animales de experimentación. Un estudio en conejos Nueva Zelanda. Nueva Galimplant SLU. Monsalve Guil, Loreto. 12/06/2023-12/06/2024. 12.100 €.
- 9 **Contract.** Estudio experimental in vitro de tratamiento de adhesión con plata coloidal de superficies de implantes para mejorar sus propiedades bactericidas. Nueva Galimplant SLU. Monsalve Guil, Loreto. 05/06/2023-05/06/2024. 18.150 €.
- 10 **Contract.** Estudio experimental de implantes inmediatos postextracción en Munipigs Ing. Carlo Alberto ISSOGLIO & C. S.r.l.. Velasco Ortega, Eugenio. 16/05/2022-15/11/2022. 13.500 €.
- 11 **Contract.** Caracterización molecular de nuevos mediadores inmunológicos de los tejidos periimplantarios durante el desarrollo de periimplantitis en perros Beagle ILERIMPLANT, S.L.. Velasco Ortega, Eugenio. 26/01/2022-26/07/2022. 7.260 €.
- 12 **Contract.** Estudio de topografía superficial por microscopio electrónico de barrido y funcionalidad protéica de nuevos materiales de implantología oral Kyt Implantes Dentales, S.L.. Velasco Ortega, Eugenio. 05/05/2021-05/05/2022. 7.260 €.