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Fernando Alba-Elías is Full Professor in the Department of Mechanical Engineering at the University of La Rioja (Spain), where he co-founded and co-leads the P2ML research group (Projects, Plasma and Machine Learning). Since 2025 he coordinates PLASPAIN, the Spanish national network that brings together eleven groups to advance cold atmospheric plasma in biomedicine and agri-food. His work focuses on atmospheric-pressure cold plasma along two main lines: plasma-polymerized functional coatings for medical devices, including low-friction and anti-biofilm surfaces, and plasma-activated water, from laboratory research to semi-industrial scale-up. He has authored numerous JCR-indexed papers and international conference contributions, and is co-inventor of 22 patents, four of them commercialised and four protected in Japan, the United States and the European Union. He has supervised 14 doctoral theses.