

DR. ROSA GARCIA-VERDUGO

Medical & Science Communication Leader



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EXECUTIVE SUMMARY

Trilingual Science Communication Leader with 10+ years driving digital content strategy, cross-functional team coordination, and grant success at European research institutions. Proven expertise leading content pipelines across medical/pharma companies, managing stakeholder relationships, and delivering results through SEO-optimized scientific communications. Combines research experience with extensive freelance portfolio serving pharmaceutical and biotech clients across Europe.

CORE COMPETENCIES

- Cross-Functional Team Leadership
- Grant Strategy & Development (€800K+)
- Digital Content Strategy & SEO
- Medical/Scientific Writing
- Project Management & Innovation
- Trilingual Communications (EN/DE/ES)
- AI Tools Integration
- Stakeholder Management

TECHNICAL CAPABILITIES

Creative Tools:	Adobe Creative Suite (Illustrator, Photoshop, InDesign, Acrobat Pro), Canva, Inkscape
Digital Marketing:	WordPress CMS, SEO optimization (SEMrush, Ahrefs, Google Search Console), Google Analytics, Social Media Management
AI-Enhanced Workflows:	Claude, ChatGPT, Perplexity, Connected Papers, SciSpace, Napkin, Midjourney
Project Management:	Asana, Jira, Reference Management Software

PROFESSIONAL EXPERIENCE

Communications and Project Officer

European Molecular Biology Laboratory (EMBL), Germany | 2023–Present

- Lead grant strategy and execution for research group, securing €800K+ in competitive funding (ERC, MSCA, BWST) through stakeholder collaboration and strategic narrative development
- Manage digital communications portfolio across web content and presentations, coordinating with PIs, researchers, and design teams
- Provide editorial leadership for pre-submission manuscripts, ensuring scientific accuracy and publication readiness
- Drive project coordination across international research teams, managing deadlines and deliverables for multiple concurrent initiatives

Science Journalist

- Collaborated on the *Alkohol Atlas Deutschland 2022*, a comprehensive public health publication analyzing alcohol consumption patterns and health impacts across Germany
- Research, data interpretation, and scientific writing for national-level health policy document published by Germany's leading cancer research institute

Literature Review, AI Training & Content Manager

Juisci SA | 2025–Present

- Oversee AI-medical content pipeline operations, ensuring quality standards across multilingual publications (DE/EN)
- Lead cross-functional collaboration with technical, medical, and creative teams to optimize content generation workflows
- Direct publication selection, review, and platform deployment processes with translation quality assurance

Freelance Science Communication Consultant

Multiple Pharmaceutical & Biotech Companies | 2020–Present

- **Content Strategy Leadership:** Architected and executed B2B digital PR strategies for 8+ pharmaceutical/biotech companies (Ncardia, Temedica, PromoCell, Evotec, Ashfield MedComms, J&J, Qiagen)
- **Medical/Scientific Writing:** Delivered white papers, clinical study content, blog posts, and expert interviews across cardiology, neuroscience, diabetes, and cell therapy
- **Academic Services:** Provided manuscript editing, grant consultation, and pre-submission review (Cactus Communications, Enago)
- **Science Journalism:** Accredited European Parliament journalist; published across multiple platforms including ESMH and ESCI

Medical Education Manager

Sciarc GmbH | 2016–2019

- Led medical education programs (CME) for physicians, managing Advisory Boards and events for Big Pharma clients
- Directed non-interventional study follow-up, analysis, and publication workflows

Researcher

Max-Planck-Institute for Biological Intelligence, Germany | 2010–2015

- PhD research focused on plasticity mechanisms in the mouse visual cortex

Research Technical Assistant | CRG, Barcelona, Spain | 2008–2010

- Genomic research and technical support

Intern Researcher | CIB (CSIC), Madrid, Spain | 2006–2007

- Cellular biology research on signal transduction pathways

Exchange Student Research | Leiden University Medical Centre, Netherlands | 2005

- International research experience

LEADERSHIP & KEY ACHIEVEMENTS

- **Grant Leadership:** Helped secure >€800K in competitive funding (ERC, MSCA, BWST) through strategic proposal development
- **Process Innovation:** Developed and optimized AI-powered medical content pipelines, managing quality assurance across three languages
- **Thought Leadership:** Founded science communication web (starvingneuron.com, 2008-present); Co-founded CERFA
- **Author & Public Engagement:** Published science book on genetics (1,700 copies sold)

EDUCATION & PROFESSIONAL DEVELOPMENT

PhD in Biology – Ludwig-Maximilians-Universität, Munich, Germany | 2010–2015

International Master in Neuroscience & Behavioural Science – Universidad Pablo de Olavide, Spain

Licenciado en Bioquímica (BSc Biochemistry) – Universidad de Oviedo, Spain

Recent Professional Training: Generative AI for Content Creators (2025) • AI Applications to Grant Writing (2024) • Search Engine Marketing Manager (2020) • Life Science Management (2015-16)

Selected Publications (of 10 [Google Scholar](#))

García-Verdugo R, et al. Impact on Diabetes Self-Management. *J Diabetes Sci Technol*. 2017;11(6):1218-1225

Jelier R, García-Verdugo R, et al. Predicting Phenotypic Variation in Yeast. *Nat Genetics*. 2011;43(12):1270-4

Semple JJ, García-Verdugo R, Lehner B. Rapid Selection of Transgenic *C. elegans* Using Antibiotic Resistance. *Nat Methods*. 2010;7(9):725-7

Vavouri T, García-Verdugo R, et al. Intrinsic Protein Disorder and Dosage Sensitivity. *Cell*. 2009;138(1):198-208