Curriculum Vitæ

Belén Navarro-Rubio Coello de Portugal

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PROFESSIONAL EXPERIENCE

July 2026 —	**Complex Radiation Oncology Fellow** UT MD Anderson Cancer Center	Houston, United States
Jan 2026 – 30 June. 2026	**Radiation Oncologist Consultant** University of Navarra Clinic	Pamplona, Spain
Sept. 2020- Dec. 2025	**Radiation Oncology Resident** University of Navarra Clinic	Madrid, Spain
Feb. 2020 – Aug. 2020	**COVID volunteer** Madrid IFEMA temporary hospital	Madrid, Spain
Feb. 2019 – Jan. 2020	**Spanish Residency exam preparation** Personal study.	Madrid, Spain
Aug. 2018 - Jan. 2019	**Research Assistant** Diabetes Research Institute University of Miami Miller School of Medicine	Miami, USA
July. 2017 – July. 2018	**STEP 1 preparation for ECFMG certification.** Personal study	London, UK
Sept. 2011 – June. 2017	**School of medicine** Francisco de Vitoria University	Madrid, Spain

OTHER EDUCATION AND CERTIFICATION

Oct. 2020 - Present	**PhD candidate** Diabetes Research Institute University of Miami Miller School of Medicine University CEU San Pablo	Madrid, Spain
March 2024 – March 2025	**Master's degree Radiation Oncology** Tech Institute	Navarra, Spain
March 2024	**USMLE STEP 3 – Passed 1st attempt.** United States Medical Licensing Exams *ECFMG accreditation*	
Dec. 2023	**USMLE STEP 2CK– Passed 1st attempt.** United States Medical Licensing Exams *ECFMG accreditation*	
	Spanish National Residency Exam - Passed	Madrid, Spain
May 2018	**USMLE STEP 1– Passed 1st attempt.** United States Medical Licensing Exams *ECFMG accreditation*	London, United Kingdom
April 2017	**USMLE STEP 2CS – Passed 1st attempt.** United States Medical Licensing Exams *ECFMG accreditation*	Los Angeles, USA

EARLY EDUCATION

Sept. 2008 - May 2011	**High School** Colegio San Pablo CEU	Madrid, Spain
Summers from 20 june 2002-Aug 8 2010.	**Military Summer Camp** Culver Military Academy *Graduated with high honors*	Indiana, USA
Sept. 2000 - May 2008	**Primary and Middle School** Colegio Orvalle	Madrid, Spain
Sept. 1995 - May 2000	**British School** Elementary School	Madrid, Spain

NATIONAL AND INTERNATIONAL OBSERVERSHIPS

Nov. 2025 - Dec. 2025	**Radiation Oncology Observership** St Jude Research Hospital	Memphis, USA
Oct. 2025 - Oct. 2025	**Radiation Oncology Observership** Florida Proton Therapy Institute	Jacksonville, FL
Sept. 2025 – Sept. 2025	**Radiation Oncology Internship (Adaptive RT)** Complejo Universitario de Navarra	Navarra, Spain
April 2017 - April 2017	**Emergency Room Observership** Jackson Memorial Hospital. Harrington Program.	Miami, USA
March 2017 - March 2017	**Internal Medicine Observership** University of Miami Hospital (UMH). Harrington Program.	Miami, USA
Feb. 2017 - Feb. 2017	**Pediatric Surgery Observership** Holtz Children's Hospital. Harrington Program.	Miami, USA
July 2016 - July 2016	**Surgical ICU Observership** Jackson Memorial Hospital. Harrington Program.	Miami, USA
July 2015 - July 2015	**Neurosurgery Observership** Jackson Memorial Hospital. Harrington Program.	Miami, USA

CONFERENCES, COURSES & SEMINARS

March 2024 – Dec 2026	**MR-Linac (Unity Elekta) Training** University of Navarra Clinic	Navarra, Spain
January 2024	**Hereditary Cancer Course** University of Navarra School of Medicine	Navarra, Spain
June 2023	**SBRT and SRS Training Seminar** HM Sanchinarro Hospital	Madrid, Spain
January 2022	**Evaluation and Assessment of Scientific Production** University San Pablo CEU	Madrid, Spain
May 2022	**Course on Data Analysis with R** University San Pablo CEU	Madrid, Spain
February 2022	**Evaluation and Assessment of Scientific Production** University San Pablo CEU	Madrid, Spain
January 2022	**Advanced Techniques in Search and Documentation Management Applied to Research** University San Pablo CEU	Madrid, Spain
September 2020	**Advanced CPR (cardio-pulmonary resuscitation) Updated January 2024** University of Navarra Clinic	Navarra, Spain
September 2020	**Advanced Radiological Protection** University of Navarra Clinic	Navarra, Spain
February 2020	**XXII Symposium reviews on Cancer** Spanish Society of Medical Oncology	Madrid, Spain
October 2019	**Light sheet fluorescent microscope (LSFM) and Imaris software training** University of Miami	Miami, USA
August 2018	**CITI program – Laboratory animal Training** University of Miami	Miami, USA
August 2018	**Laboratory safety training** University of Miami	Miami, USA
August 2018	**Laser safety training** University of Miami	Miami, USA
August 2018	**UM OSHA's blood borne pathogens biomedical** waste, latex allergy and TB training University of Miami	Miami, USA
August 2018	**Biological safety** University of Miami	Miami, USA
June 2018	**Update on Research Methodologies** Francisco de Vitoria University	Madrid, Spain
November 2016	**4th International Conference of person-centered medicine – Speaker** Francisco de Vitoria University	Madrid, Spain
April 2013	**Introduction to Genetics and Evolution** MOOC Duke University	Madrid, Spain
April 2013	**Introduction to Mathematics and Biostatistics** MOOC Johns Hopkins University	Madrid, Spain

PUBLICATIONS AND CONFERENCE CONTRIBUTIONS

Published conference abstract and electronic poster · 2026
Teresa Cuenca Bandín; Haizea Etxeberria Urquia; Luis Fuertes Valles; **Belen Navarro-Rubio**; Nicolly Hernandez Aguirre; Benigno Barbes Fernandez. *SIM-FREE experience: assessing the feasibility of a pre-planning-free workflow for MRI-guided prostate treatments*. Physica Medica. 2026;149 (supplement). Electronic poster 1162, 6th European Congress of Medical Physics (ECMP 2026), Valencia, Spain, September 23-26, 2026. doi: 10.1016/j.ejmp.2026.106480.

Conference poster · 2026
Amarilis Salado De Gracia; Adriana Martínez Lage; Luis Fuertes Ovalle; Javier Aristu Mendióroz; Ignacio Azinovic Gamo; **Belen Navarro-Rubio Coello**; Elena Valdivielso Suarez; Nicolly Hernández Aguirre. *Institutional Experience With Stereotactic MR-Guided Adaptive Radiotherapy (SMART) For Biliary-Pancreatic Tumors: Acute Toxicity And Early Clinical Results*. Poster, XXIII Congreso Nacional SEOR 2026, Alicante, Spain, June 3-5, 2026. Official programme.

Conference poster · 2026
Elena Valdivielso Suárez; Haizea Etxeberria Urkia; Marina García Cardosa; Adriana Martínez-Lage Goñi; Luis Fuertes Vallés; Benigno Barbés Fernández; **Belén Navarro-Rubio Coello De Portugal**; Víctor Díaz Pascual; Amaya Arcaya Pérez; José Javier Aristu Mendioroz; Ignacio Azinovic Gamo. *Validation Of A Deep Learning-Based And Auto-Segmentation System For Rectum And Organs At Risk Contouring In Rectal Cancer Patients*. Poster, XXIII Congreso Nacional SEOR 2026, Alicante, Spain, June 3-5, 2026. Official programme.

Research article · 2025
Silvia Álvarez-Cubela; Isabella D. Altilio; Mayur Doke; Dagmar Klein; Alejandro Tamayo; Óscar Alcázar; Carlos García Santana; Mirza Muhammad Fahd Qadir; Charles García Alver; Francis Cruz; Olivia Biggs; Jorge David Tovar Castro; **Belén Navarro-Rubio**; Camillo Ricordi; Alejandro Caicedo; Peter Buchwald; Ashutosh Agarwal; Elisa Oltra; Ricardo Luis Pastori; Juan Domínguez-Bendala. *Pancreatic β-cell regeneration in situ by the ALK3 agonist THR-123*. Nature Communications. 2025;16:6121. doi: 10.1038/s41467-025-61534-2.

Research article · 2025
Giulia Petroni; Claudia Galassi; Kenneth H. Gouin III; Hsiang-Han Chen; Aitziber Buqué; Norma Bloy; Takahiro Yamazaki; Ai Sato; Manuel Beltrán-Visiedo; Ginevra Campia; Carlos Jiménez-Cortegana; Aagam Shah; Alexander Kirchmair; Chiara Massa; Claudia Wickenhauser; Carlos Eduardo de Andrea; **Belén Navarro-Rubio**; Irantzu Serrano-Mendioroz; Esther Navarro Manzano; Alexandra M. Satty; Brady Rippon; Francesca Finotello; Zlatko Trajanoski; Xi Kathy Zhou; Joseph M. Scandura; Elena García-Martínez; Francisco Ayala de la Peña; María Esperanza Rodríguez-Ruiz; Barbara Seliger; Víctor Sánchez-Margalet; Luis de la Cruz-Merino; Reva K. Basho; Stephen L. Shiao; Heather L. McArthur; Silvia C. Formenti; Simon R. V. Knott; Lorenzo Galluzzi. *IL-17A-secreting γδ T cells promote resistance to CDK4/CDK6 inhibitors in HR+HER2− breast cancer via CX3CR1+ macrophages*. Nature Cancer. 2025;6(10):1656-1675. doi: 10.1038/s43018-025-01007-z.

Published conference abstract / digital poster · 2024
Motisi L; Lindegaard J; Reichl S; Willman J; Allex L; Gimeno Morales M; Tagliaferri L; La Milia MC; Salvati; Kretzschmar; Guninski RS; Kamal S; Kroese T; **Navarro-Rubio B**; Martinez-Lage A; Echeveste Ucar M; Petric P. *Variation of T-score determination in Locally Advanced Cervical Cancer*. Radiotherapy and Oncology. 2024;194:S272-S276. Abstract 2534, ESTRO 2024, Glasgow, UK, May 3-7, 2024. doi: 10.1016/S0167-8140(24)02720-8.

PUBLICATIONS AND CONFERENCE CONTRIBUTIONS

Oral communication · 2024

Barker G; Gimeno-Morales M; Sandoval M; **Navarro-Rubio B**; Martinez-Lage A; Cambeiro M; Amaya E; Fuertes L; Fadrique S; Martinez-Monge R. *Long-term oncological outcomes of HDR-BT-b on high-risk and very-high-risk prostate-cancer*. SEOR Conference, 2024.

Published conference abstract · 2022

Giulia Petroni; Kenneth Gouin; Claudia Galassi; Aitziber Buqué; Norma Bloy; Takahiro Yamazaki; Ai Sato; Carlos Jiménez-Cortegana; Alexander Kirchmair; Chiara Massa; Carlos Eduardo De Andrea; **Belén Navarro**; Iratzu Serrano; Esther Navarro Manzano; Francesca Finotello; Xi Zhou; Elena García-Martínez; María Rodríguez-Ruiz; Barbara Seliger; Victor Sánchez-Margalet; Luis de la Cruz-Merino; Heather McArthur; Silvia Formenti; Simon Knott; Lorenzo Galluzzi. *IL17-producing γδ T cells promote resistance to CDK4/6 inhibitors in HR+HER2− breast cancer*. Journal for ImmunoTherapy of Cancer. 2022;10(Suppl 2):A1188. Abstract 1144, SITC 2022. doi: 10.1136/jitc-2022-SITC2022.1144.

Oral communication · 2022

Gimeno Morales M; Ayestaran A; Blanco J; Rodriguez-Spiteri N; Ramos L; Martinez-Monge R; **Navarro-Rubio B**; Regueira F; Olartecoechea B; Cambeiro M. *Long-term results of intraoperative multicatheter breast implant (IOMBI) for accelerated partial breast irradiation (APBI) on early breast cancer patients*. SEOR Conference, Palma de Mallorca, Spain, September 28-30, 2022.

Oral communication · 2022

García-Martínez E; Rodriguez-Ruiz María E; Galluzzi L; Serrano I; Ayala de la Peña F; Garate E; de la Morena P; Alvarez-Abril B; García Torralba E; Jimenez C; **Navarro-Rubio B**; García Garre E; Petroni G. *Modificación del compartimento inmune circulante en el cáncer de mama luminal avanzado tratado con inhibidores de ciclinas*. SEOM Conference, 2022.

Best oral communication · 2021

Pezonaga-Torres A; Ruiz-Fernández De Córdoba B; Moreno H; Martín S. Ayestarán; **Navarro-Rubio B**; Lecanda F; Martínez-Monge. *Circulating tumor cells participate in locoregional failure*. SEOR Conference, 2021.

PUBLICATIONS AND CONFERENCE CONTRIBUTIONS

Research article · 2020
Mirza Muhammad Fahd Qadir; Silvia Álvarez-Cubela; Dagmar Klein; Jasmijn van Dijk; Rocío Muñiz-Anquela; Yaisa B. Moreno-Hernández; Giacomo Lanzoni; Saad Sadiq; **Belén Navarro-Rubio**; Michael T. García; Ángela Díaz; Kevin Johnson; David Sant; Camillo Ricordi; Anthony Griswold; Ricardo Luis Pastori; Juan Domínguez-Bendala. *Single-cell resolution analysis of the human pancreatic ductal progenitor cell niche*. Proceedings of the National Academy of Sciences of the United States of America. 2020;117(20):10876-10887. doi: 10.1073/pnas.1918314117.

Published conference abstract · 2019
Mirza Muhammad Fahd Qadir; Silvia Alvarez-Cubela; Jasmijn van Dijk; Jonathan Weitz; Sirlene Cechin; Dagmar Klein; Alejandro M. Tamayo; Joana Almaca; Alejandro Caicedo; Irina Kusmartseva; Helmut Hiller Sr.; Maria Beery; Kevin B. Johnson; Yaisa B. Moreno Hernandez; **Maria B. Navarro Rubio**; Saad Sadiq; Camillo Ricordi; Alberto Pugliese; Christopher Fraker; Ricardo Pastori; Juan Domínguez-Bendala. *Real-Time Monitoring and High-Resolution Analysis of Human Pancreatic Ductal Plasticity*. Diabetes. 2019;68(Supplement 1):2139-P. American Diabetes Association 79th Scientific Sessions, San Francisco, CA, USA, June 2019. doi: 10.2337/db19-2139-P.

Oral communication · 2019
Qadir MMF; Álvarez-Cubela S; Van Dyk J; Klein D; Johnson K; Moreno Hernandez Y; **Navarro-Rubio MB**; Sadiq S; Ricordi C; Pastori RL; Domínguez-Bendala J. *RNAseq of carbonic anhydrase II (CAII)-negative human major pancreatic ductal cells confirms progenitor-like phenotype*. Network for Pancreatic Organ Donors with Diabetes (nPOD), 11th Annual Scientific Meeting, Hollywood, FL, USA, February 2019.

Conference poster · 2019
Silvia Alvarez-Cubela; Mirza Muhammad Fahd Qadir; Jasmijn Van Dyk; Dagmar Klein; Kevin B. Johnson; Yaisa Beatriz Moreno Hernandez; Hendrik Veltman; **Maria Belen Navarro-Rubio**; Michael Garcia; Ana de Diego Diaz; Camillo Ricordi; Ricardo Luis Pastori; Juan Domínguez-Bendala. *Pancreatic progenitor cells in T1D and T2D subjects and in non-human primates*. Surgery Research Day, University of Miami, Miami, FL, USA, 2019.

Oral communication · 2019
Qadir MMF; Álvarez-Cubela S; Van Dyk J; Klein D; Johnson K; Moreno Hernandez J; **Navarro-Rubio MB**. *scRNAseq of human ALK3-expressing major pancreatic ductal cells confirms progenitor-like phenotype*. Network for Pancreatic Organ Donors with Diabetes (nPOD), 11th Annual Scientific Meeting, Hollywood, FL, USA, February 2019.

HONORS AND AWARDS

May 2017	**Optimus award winner** Francisco de Vitoria University *Award granted to the best student of Medical School*	Madrid, Spain
2011-2016	**School of medicine Annual Academic Achievement Award** Francisco de Vitoria University	Madrid, Spain
May 2015-Sept. 2016	**University General Secretary of the Students Council** Francisco de Vitoria University	Madrid, Spain
Oct. 2014-June 2017	**State Medical School Representative** Medical Student State Council (CEEM)	Spain
Sept. 2013-June 2017	**Student Class Representative** Francisco de Vitoria University	Madrid, Spain
August 2010	**Highest female rank at Culver Military academy** Culver Military Academy	Indiana, USA
Sept. 2008	**Graduated with Honors - Middle School Award** Consejería de Educación. Comunidad de Madrid	Madrid, Spain

LANGUAGES

Spanish	Native
English	Native

REFERENCES

Juan Domínguez-Bendala
Stem Cell Development for Translational Research Director
Diabetes Research Institute
University of Miami Miller School of Medicine
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Javier Aristu Mendioroz
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Clínica Universitaria
University of Navarra
Email: jjaristu@unav.es

Ignacio Azinovic Gamo
Radiation Oncology Codirector - Pamplona
Clínica Universitaria
University of Navarra
Email: lazinovicga@unav.es

Fernando Caballero Martínez
Dean – School of Medicine
Francisco de Vitoria University
Email: f.caballero@ufv.es

PERSONAL STATEMENT

I am a radiation oncologist whose training has been shaped by a deliberate effort to work across two medical systems, and by an early conviction that the questions worth asking in oncology sit at the boundary between the laboratory and the clinic.

I completed my medical degree at Francisco de Vitoria University in Madrid between 2011 and 2017. During those years I sought clinical exposure in the United States through the Harrington Program at the University of Miami and the Jackson Memorial Hospital system, rotating across 2015-2017 in neurosurgery, surgical intensive care, pediatric surgery, internal medicine and emergency medicine. That exposure led me to pursue the United States Medical Licensing Examination pathway alongside my Spanish training. I passed Step 2 CS in 2017, Step 1 in 2018, Step 2 CK in 2023, and Step 3 in March 2024 - each on the first attempt - and obtained ECFMG certification.

Between August 2018 and January 2019 I worked as a research assistant at the Diabetes Research Institute at the University of Miami Miller School of Medicine, contributing to projects in diabetes and metabolic disease. The experience was formative in a way I did not anticipate: it gave me a working understanding of how translational research is actually conducted, and it established the collaboration that would later become my doctoral work. I am a PhD candidate at Universidad San Pablo-CEU, where I began my doctoral studies in October 2020, with research conducted in collaboration with the Diabetes Research Institute at the University of Miami.

I passed the Spanish National Residency Examination (MIR) and began specialty training in Radiation Oncology at Clínica Universidad de Navarra in September 2020, completing the program in December 2025 at one of Spain's leading academic medical centers. During the final year of residency I sought additional exposure to advanced radiotherapy techniques: a one-month adaptive radiotherapy internship at Complejo Hospitalario de Navarra in September 2025, an observership at the University of Florida Health Proton Therapy Institute in Jacksonville in October 2025, and an observership in pediatric radiation oncology at St. Jude Children's Research Hospital in Memphis between November and December 2025. I also completed a Master's degree in Radiation Oncology through Tech Institute between March 2024 and March 2025.

Teaching has run in parallel throughout. I have served as a teaching assistant at the University of Navarra School of Medicine since October 2020, and since February 2020 I have mentored Spanish medical students preparing for the USMLE examinations at Francisco de Vitoria University - work that grew directly out of my own experience navigating that pathway, and which I have found unexpectedly clarifying for my own practice.

In January 2026 I took up a position as Radiation Oncologist Consultant at Clínica Universidad de Navarra in Pamplona, combining clinical practice, multidisciplinary oncological care, and academic activity.

I am currently completing a Complex Radiation Oncology Fellowship at The University of Texas MD Anderson Cancer Center, a selective program approved by the Texas Medical Board as a Non-Standard Training Program, which accepts two to four physicians each year. My rotations span genitourinary, breast, gastrointestinal, sarcoma and melanoma, central nervous system, and pediatric malignancies, alongside training in technically demanding modalities including proton therapy, brachytherapy and stereotactic body radiotherapy, and an independent research project required of all fellows.

Taken together, these years have given me something I could not have acquired within a single system: an understanding of how the same cancer is approached differently depending on where a patient happens to be treated, and of which of those differences are matters of evidence and which are matters of local convention. That perspective is what I hope to carry into the next stage of my career.