

PERSONAL INFORMATION Santiago Garcia Borrego



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ID: 71467477Z
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Sex Male
Date of birth 1994/02/26
Nationality Spain

WORK EXPERIENCE

From June 2014 to August 2014

Administration at Cooperativa Vega Esla

Cooperativa Vega Esla, Toral de los Guzmanes

- Economic administration
- Resource management
- Staff coordination

Primary Sector, Livestock and Agriculture

From July 2015 to September 2015

Manager of the quality of dairy products

Coovees dairy, Toral de los Guzmanes

- Milk and milk products quality analysis
- Milk fermentation technology
- Industrial food control

Primary Sector, Livestock and Food

From September 2015 to July 2016

Bachelor thesis

IBIOMED, Leon

- Study of transcriptional targeting techniques
- Characterization of the p53 family members
- Cell culture and molecular biology techniques

Research

From January 2017 to June 2017

MSc thesis

University of Oviedo, Oviedo

- Study of parameters of glucose metabolism in leukemic cells
- Analysis of the effect of melatonin on tumor cells
- Cell culture, molecular biology and metabolic techniques

Research

From July 2017 to August
2017

Research internship

Taipei Medical University Hospital, Taipei

- Study of the interaction of mimic RNA with temozolomide in glioblastoma
- Analysis of the effect of temozolomide and similar drugs in resistant glioblastoma cell lines
- Analysis of the imipramine cytotoxic effect in glioblastoma cells.
- Cell culture, molecular biology and animal experimentation techniques

Research

From November 2017 to March
2024

PhD thesis

12 de Octubre Hospital, Madrid

Spanish National Cancer Research Centre (CNIO), Madrid

- Study of the molecular context in the ontogeny of NSCLC.
- Functional and molecular analysis of the expression of different tyrosine kinase receptors
- Study of the interaction of different tyrosine kinase receptors and of the effect in the treatment with several drugs
- Cell culture, molecular biology and animal experimentation techniques

Research

EDUCATION AND TRAINING

From 2018 to 2024 PhD in Biomedical Research

Complutense University of Madrid, Madrid

- "Search and validation of predictive biomarkers of response to FGFR inhibition"
- AECC Madrid PhD granted

From 2016 to 2017 MSc in Biomedicine and Molecular Oncology

University of Oviedo, Oviedo

- "Implication of glycolytic metabolism in the antileucemic effect of melatonin" as Master Thesis
- Master Degree of 1 year.

From 2012 to 2016 BSc in Biotechnology

University of Leon, Leon

- "Methods of identifying transcriptional targets using the TP73 gen as a model" as Bachelor Thesis
- University Degree of 4 years

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From 2010 to 2012 General Certificate of Tertiary Education

Nuestra Madre del Buen Consejo, León

- A-level exam boards passed with an average of 11.3 out of 14

From 2006 to 2010 General Certificate of Secondary Education

S.A.M. La Nora del Río, La Nora del Río

PERSONAL SKILLS

Mother tongue(s) Spanish

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | C1 | B2 | B2 | C1 |
| B2 - Cambridge First Certificate | | | | | |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- Cambridge First Certificate in English.
- C1.2 level in the 2018 PAI Online English Exam.
- Communicative abilities in English language acquired in my internship in Italy and Taiwan.
- English summer camp, Salamanca 2008.

Organisational / managerial skills

- Worked in a family business
- Administrative work at Cooperativa Vega Esla

Job-related skills

- Ability to handle cell cultures (acquired in my BSc, MSc and PhD Thesis, and in my internships).
- Knowledge of molecular biology techniques (acquired in my Degree and Master Thesis, in my internship and in my research contract).
- Skill in the handling and care of experimental animals, PDXs and PDXDOs (acquired in my PhD thesis)
- Development of comprehensive and selective capacity for information. Preparation of talks, posters and scientific publications (acquired in my PhD thesis)
- Teamwork capabilities in multidisciplinary environments.
- Independence and scientific self-guide as well as coordination and teaching of new students in the laboratory.
- Scientific dissemination skills (coordinated by the Spanish Association Against Cancer, AECC).
- Development of product quality programs (Business Practice)

Digital competence

| SELF-ASSESSMENT | | | | |
|------------------------|-----------------|------------------|------------------|-----------------|
| Information processing | Communication | Content creation | Safety | Problem solving |
| Independent user | Proficient user | Independent user | Independent user | Proficient user |

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- Good command of office suite (word processor, spread sheet, presentation software)
- Normal use of graphic editing software such as Prism and Illustrator

Driving licence B1

SCIENTIFIC PRODUCTION

Publications
Lectures
Congress

- Melatonin antitumoral effects are related to an impaired glycolytic metabolism in acute myeloid leukemia cell line – 2017 XVII SEBC
- FGFR1 and FGFR4 oncogenicity depends on n-cadherin and their co-expression may predict FGFR-targeted therapy efficacy - Quintanal-Villalonga Á et al; EBioMedicine. 2020 Mar;53:102683. doi: 10.1016.
- Discovering new predictive biomarkers for anti-FGFR therapy in NSCLC – 2021 3rd ASEICA Educational Symposium.
- N-Cadherin acts as a predictive biomarker for anti-FGFR therapy in KRAS wild-type NSCLC – 2023 AACR Annual Meeting
- N-Cadherin Expression and KRAS mutation status could predict response to Anti-FGFR Therapy – 2023 EACR Congress

SCIENTIFIC RELATED
LEARNINGInternships
Courses
Certifications

- Grade on prevention of occupational hazards
- Internship at Translational Imaging Research Center, Department of Medical Imaging, Taipei Medical University Hospital, dedicated to the study of the interaction of miRNA with temozolomide in glioblastoma and to the study of the imipramine cytotoxic effect on glioblastoma cells.
- Animal Experimentation Function A and B.
- Animal Experimentation Function C.
- Informative activities on the importance of cancer prevention and screening.
- Charles River & The Jackson Laboratory Seminar Tour 2019
- Basic course on nutrition and training
- Pros and Cons of Analgesic Use During Inhalational Anesthesia Course
- Evaluating the results of animal studies by means of Meta Analysis Course
- Refinement of rodent anesthesia through the appropriate selection and use of physiological monitoring Course
- Best Practice Criteria for Pluripotent Stem Cell Lines P.A.C.E. Continuing Education Credit
- Communication Skills Course accredited by CESI IBERIA S.A.U
- “How did global facilities respond to COVID-19?” Charles River shortcourse
- Introductory Course to Computerized Tomography accredited by Aliad
- XXXII Advanced Course of Medical Oncology accredited by ONCOSUR
- Health, Nutrition and Dietetics Course accredited by Aliad
- Nutrition and Dietetics Course accredited by Aliad
- Initiation Course to Magnetic Resonance accredited by Aliad
- Basic Mammography Course accredited by Aliad
- Introduction to Data Science: Statistical Programming with R

ADDITIONAL INFORMATION

Memberships
Scientific
dissemination
Projects

- Member of the Biotechnologists Association of Leon (ABLE) and the Spanish Federation of Biotechnologists (FEBiotec).
- Participation in a research project of Dr. M. C. Marín Vieira on the relationship between Vanglb2 and p73
- Participation in a research project of Dr. Paz-Ares on the prognostic value of the joint expression of N-cadherin and FGFR1 in NSCLC and its potential use as a therapeutic target.
- Participation in 2019 Pint of Science as a speaker
- Volunteer European Researchers' Night 2019, 2020 and 2023 editions
- AECC volunteer since 2017. Informative talks about cancer and scientific careers for high school teenagers. Scientific workshops with children. Informative talks with older people. Representation as a scholarship recipient from the association in the immersion in the Cancer Grand Challenges, in the visit of the US embassy
- Participation in the Scientific Vocations program of the IES Principe Felipe
- Informative workshop on lung cancer organized by the AECC
- Member of the Scientific Committee of the III International Congress of Young People for Research JINTE 2024

