

# CURRICULUM VITAE

## ANA MARGARITA CONTRERAS-SANDOVAL

Professional goal. To develop a career in a solid institution that allows me to contribute to the achievement of the aim of the research group, by working as a team, putting my knowledge into practice, and through the encouragement of improving my research skills.

### Research summary

Interests Signal transduction, cancer genetics, cancer therapeutics  
Keywords *Cancer, Melanoma, colorectal cancer, Oncogenetics, Immunology, Chemotherapy, Immunotherapy, ATC therapy, Targeted therapy, Nanotechnology, Pharmacokinetics (PK), Pharmacodynamics (PD), Pre-clinical models, Flow cytometry (FACS), immuneassays, Sleeping Beauty, Transposon mutagenesis, Sequencing.*

### Education

- 2017** **Doctorate Degree.** Medicines and Health. Universidad de Navarra, Spain.
- 2012** **Master Degree.** Medicines Design and Biopharmacy. Universidad de Navarra, Spain.
- 2009** **University Degree.** Pharmaceutical Chemistry (Academic distinction: *Cum Laude*). Universidad del Valle de Guatemala. Guatemala
- 2009** **Bachelor's Degree.** *Baccalauratus in Scientiis*. Universidad del Valle de Guatemala. Guatemala

### Publications and scientific papers

- 2016** **Correlation between anti-PD-L1 tumor concentrations and tumor-specific and nonspecific biomarkers in a melanoma mouse model.** *Oncotarget*. doi: 10.18632/oncotarget.12727.
- 2016** **EGF-liposomes promote efficient EGFR targeting in xenograft colocal carcinoma model.** *Nanomedicine (Lond)*. doi: 10.2217/nnm.15.208.
- 2015** **Cetuximab-oxaliplatin-liposomes for epidermal growth factor receptor targeted chemotherapy of colorectal cancer.** *J Control Release*. doi: 10.1016/j.jconrel.2015.05.271.

### International placements

- 2016** **Dr. Reno Debets Lab. of Tumor Immunology. Department of Medical Oncology, Erasmus MC – Cancer Institute. Rotterdam, The Netherlands.** *Topic:* Combinatory immunotherapy against cancer

### Conferences and congresses

- 2016** *Poster: Understanding the effect mechanism through the good biomarker: Anti-PD-L1 immunotherapy.* 3rd Immunotherapy of Cancer Conference. Munich, Germany
- 2016** *Poster: Immune checkpoint blockade in melanoma by new targeted Doxorubicin immunoliposomes.* XI Spanish-Portuguese Conference on Controlled Drug Delivery. Granada, Spain
- 2015** *Poster: Towards a platform PK/PD model for an anti-PD-L1 monoclonal antibody through a preclinical syngeneic melanoma mouse model.* 24<sup>th</sup> Meeting of the Population Approach Group of Europe (PAGE). Greta, Grace

### Honors and Scholarships

- 2016** **Grant for internship performance.** Universidad de Navarra (Asociación de Amigos). Spain
- 2012-2016** **Scholarship Program for Initiation in Research and University Teaching.** Universidad de Navarra (Asociación de Amigos). Spain
- 2011** **Scholarship Program “Convocatoria Navarra Talento Internacional, 2011” (Place 23 of 40 given grants).** Navarra Government. Spain
- 2011** **Scholarship Program “Convocatoria Grupo Santander-Universidad de Navarra” for Master’s degree.** University of Navarra. Spain
- 2009** **Honoric Mention for graduation work.** Universidad del Valle de Guatemala. Guatemala
- 2006-2008** **Distinguished student UVG (Average higher than 80 points).** Universidad del Valle de Guatemala. Guatemala