



Amalia Ávila, PhD helps to find solutions for academic and industry researchers interested in generating cell line/animal models using gene targeting technologies such as CRISPR/Cas9. In her role as Sales Manager for *Biocytogen USA*, she draws upon her experience as a postdoc and as a graduate student to understand the obstacles researchers

face and facilitate alternatives to accomplish their goals. Previously she was a postdoctoral researcher at Yale University, where her main goal was to identify molecular players that regulate terminal red blood cell development.

DNA, RNA and chromatin structure, and its potential applications in technology have long been a fascination for Dr. Ávila. As an undergraduate she studied DNA G-quadruplexes, which can be harnessed as drug delivery devices. Her doctoral research at Brown University as a National Science Foundation Fellow focused on characterizing trinucleotide repeat sequences that are involved in Huntington's disease. Dr. Ávila's research has been published in several peer-reviewed journals, including the *Journal of Biological Chemistry*, *ACS Biochemistry*, *Blood*, and the *Journal of Biophysical and Biochemical Communications*. Dr. Ávila is also committed to the advancement of underrepresented communities in science and technology, and looks to share her experiences and help others who are pursuing careers in STEM.