

"microRNA-Binding Protein Argonaute Binds to mRNAs Without microRNAs".

Anthony Leung

Assistant Professor

Department of Biochemistry and Molecular Biology

Johns Hopkins University

We analyzed genome-wide binding sites of Ago2 in wild-type mouse embryonic stem cells and derivatives that lack mature microRNAs, resulting in a highly validated set of microRNA targets. Unexpectedly, we also identified a motif associated with Ago2 independent of microRNAs.

Leung AK, Young AG, Bhutkar A, Zheng GX, Bosson AD, Nielsen CB, Sharp PA.  
Nat Struct Mol Biol. 2011 Feb;18(2):237-44.