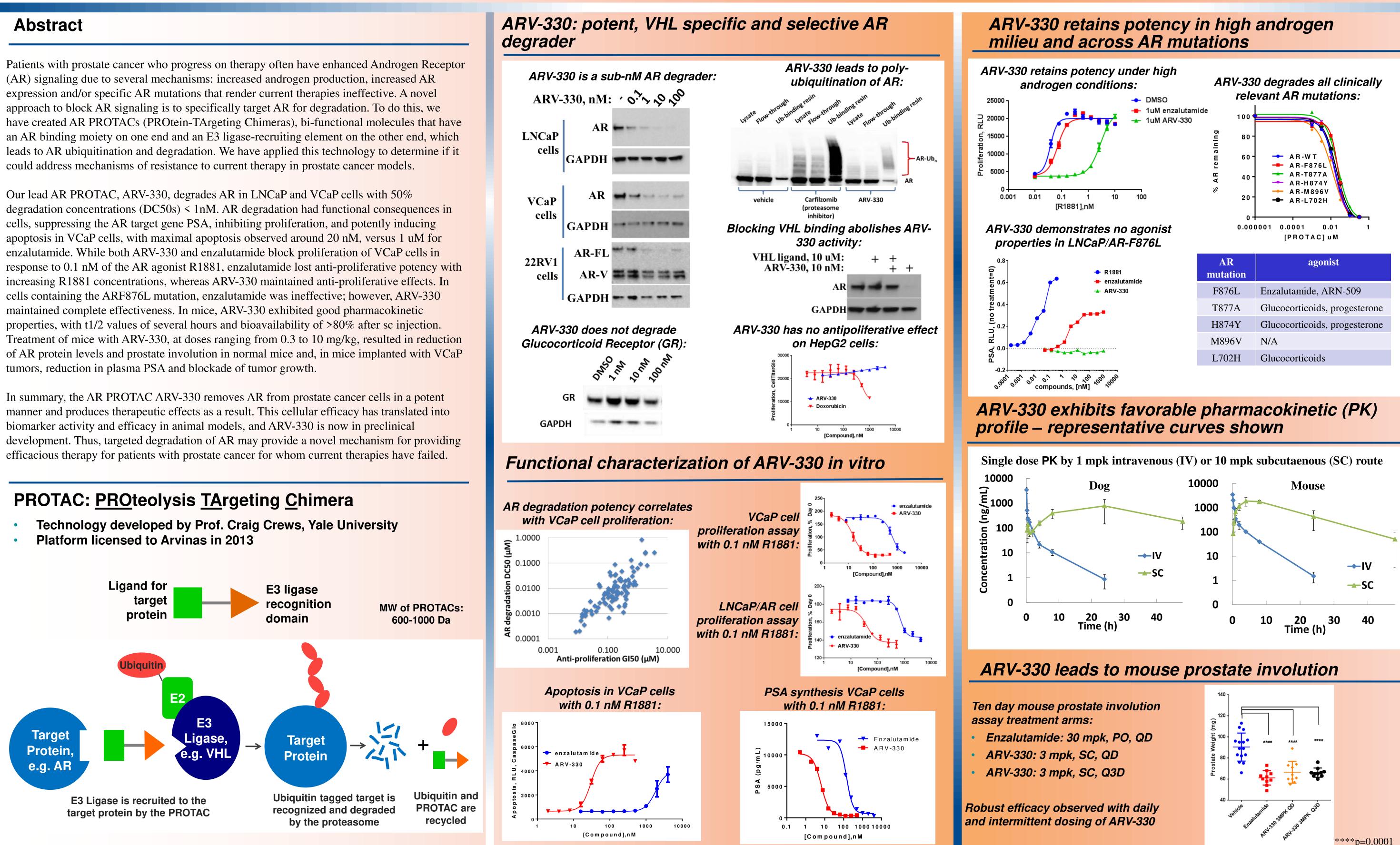
2015 AACR-**NCI-EORTC** Abstract #C95

have created AR PROTACs (PROtein-TArgeting Chimeras), bi-functional molecules that have

tumors, reduction in plasma PSA and blockade of tumor growth.



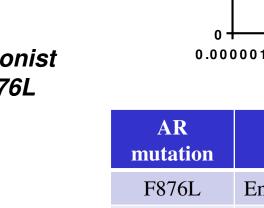
ARV-330: An Androgen Receptor PROTAC Degrader for Prostate Cancer

Taavi K Neklesa, Meizhong Jin, Andrew P Crew, AnnMarie K Rossi, Ryan R Willard, Hanqing Dong, Kam Siu, Jing Wang, Deborah A Gordon, Xin Chen, Caterina Ferraro, ¹Craig M Crews, Kevin Coleman, James D Winkler

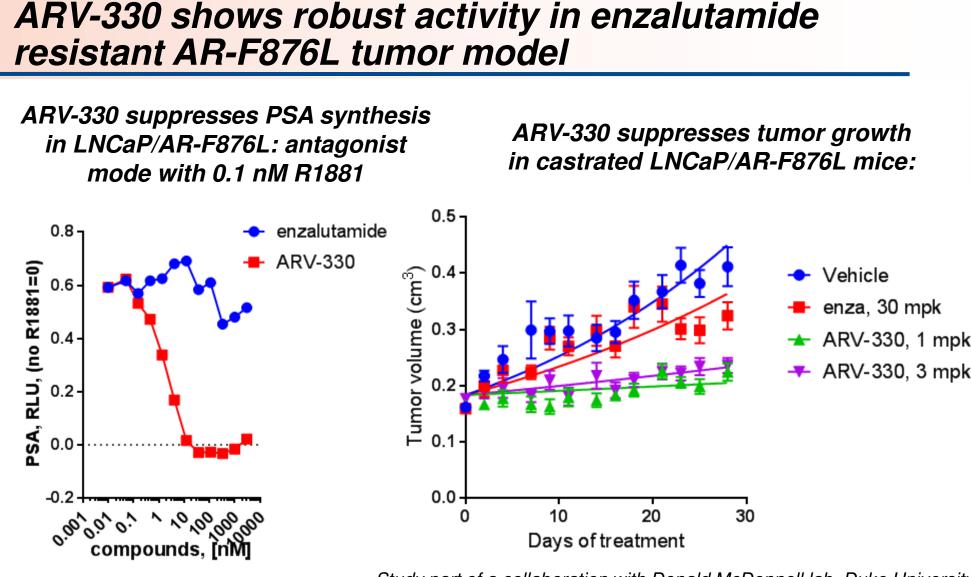
Arvinas LLC, New Haven, CT, USA; ¹Yale University, New Haven, CT, USA; contact: taavi.neklesa@arvinas.com



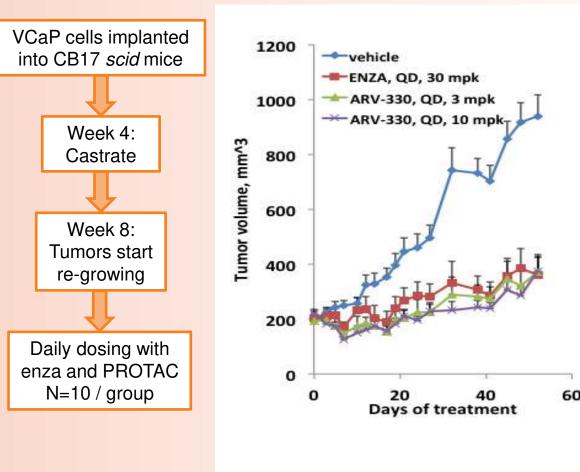
Available at www.arvinas.com



[PROTAC] UM	
agonist	
Enzalutamide, ARN-509	
Glucocorticoids, progesterone	
Glucocorticoids, progesterone	
N/A	
Glucocorticoids	



ARV-330 demonstrates antitumor activity in ARamplified prostate cancer VCaP xenograft model



Tumor growth inhibition study:

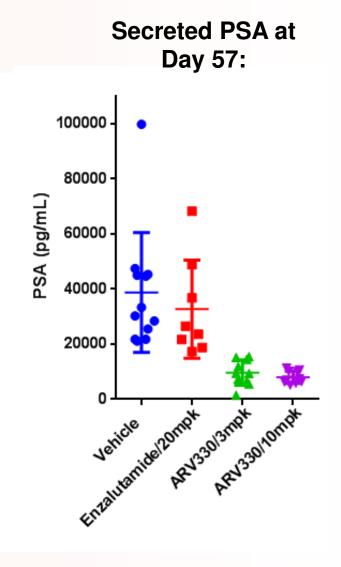
Summary

The ARV-330 demonstrates pM AR degradation potency and consistent functional activity in various *in vitro* and *in vivo* systems thought to represent the shortcomings of current prostate cancer treatment regimens.

Complete degradation of AR provides a novel mechanism to address mCRPC:

- Degradation is ideally suited for AR-amplified mCRPC
- ARV-330 targets AR irrespective of its mutational status and binding partners
- Since PROTACs only need to make a transient interaction with their targets, ARV-330 retains efficacy in a high androgen environment
- **ARV-330 is currently in IND-enabling studies**
- Phase 1 is designed to enroll enzalutamide-or abiraterone resistant patients, including patients positive for AR-V7





Study part of a collaboration with Donald McDonnell lab, Duke University