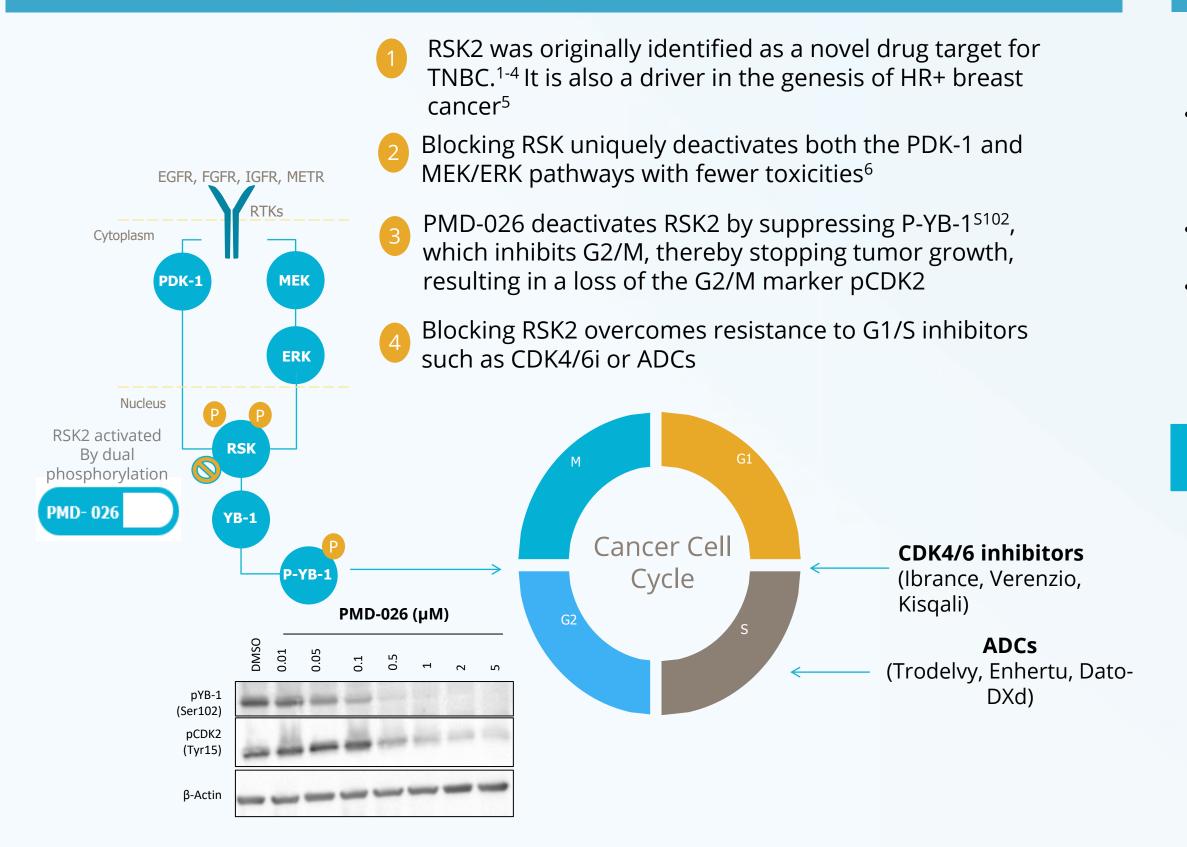
# breast cancer in the PMD-026 Phase I/lb study

## **PO3-29-04**

## Patient selection for high RSK2 expression is key for achieving improved PFS in metastatic Judy S. Wang<sup>1</sup>, Hyo S. Han<sup>2</sup>, Robert Wesolowski<sup>3</sup>, Murali Beeram<sup>4</sup>, Amita Patnaik<sup>4</sup>, Shakeela Bahadur<sup>5</sup>, Nicolaos J. Palaskas<sup>6</sup>, Aarthi Jayanthan<sup>7</sup>, Gerrit Los<sup>7</sup>, Sandra E. Dunn<sup>7</sup>, and Andrew Dorr<sup>7</sup>

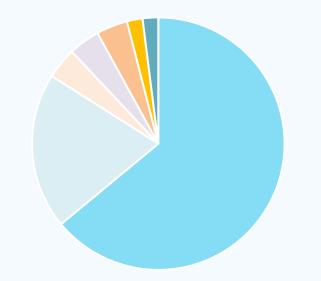
<sup>1</sup>Florida Cancer Specialists/Sarah Cannon Research Institute, Sarasota FL ; <sup>2</sup>Moffitt Cancer Center, Tampa, FL <sup>3</sup>The Ohio State University Comprehensive Cancer Center, Tampa, FL <sup>3</sup>The Ohio State University Comprehensive Cancer Center, Columbus, OH; <sup>4</sup>START San Antonio, TX; <sup>5</sup>Banner MD Anderson, Gilbert, AZ; <sup>6</sup>David Geffen School of Medicine, University of California, Los Angeles/ Jonsson Comprehensive Cancer Center, Los Angeles, CA; <sup>7</sup>Phoenix Molecular Designs, Vancouver, BC and San Diego, CA

## BACKGROUND



## PATIENT DIVERSITY

## **Diversity and Inclusion**



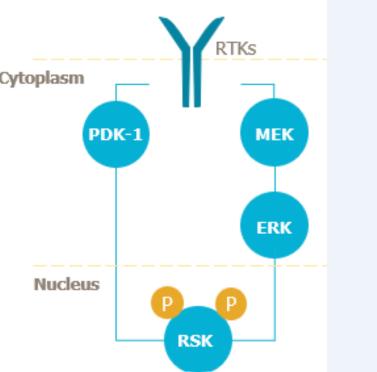
- Non-Hispanic White
- Hispanic/Latino
- Non-Hispanic Black
- Non-Hispanic Mixed Race
- Asian/Pacific Islander
- American Indian/Alaska Native
- Middle Eastern/Indian

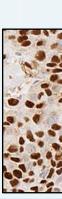
Race or Ethnic groups	Escalation	Expansion	All
Non-Hispanic White	13 (87%)	13 (50%)	26 (63%)
Hispanic/Latino	2 (13%)	6 (23%)	8 (20%)
Non-Hispanic Black	0	2 (8%)	2 (5%)
Asian/Pacific Islander	0	2 (8%)	2 (5%)
Non-Hispanic Mixed Race	0	1 (4%)	1 (2%)
American Indian/Alaska Native	0	1 (4%)	1 (2%)
Middle Eastern/Indian	0	1 (4%)	1 (2%)
Total patients	15	26	41

Breast cancer subtypes	Evaluable
TNBC; de novo	18 (60%)
TNBC; secondary	8 (27%)
HR+; CDK4/6i resistant	3 (10%)
HER-2+	1 (3%)
Total patients	30

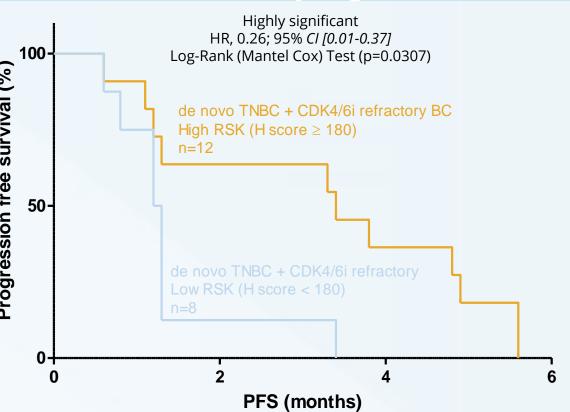
## PRECISION MEDICINE WITH RSK2 COMPANION DIAGNOSTIC (CDx)

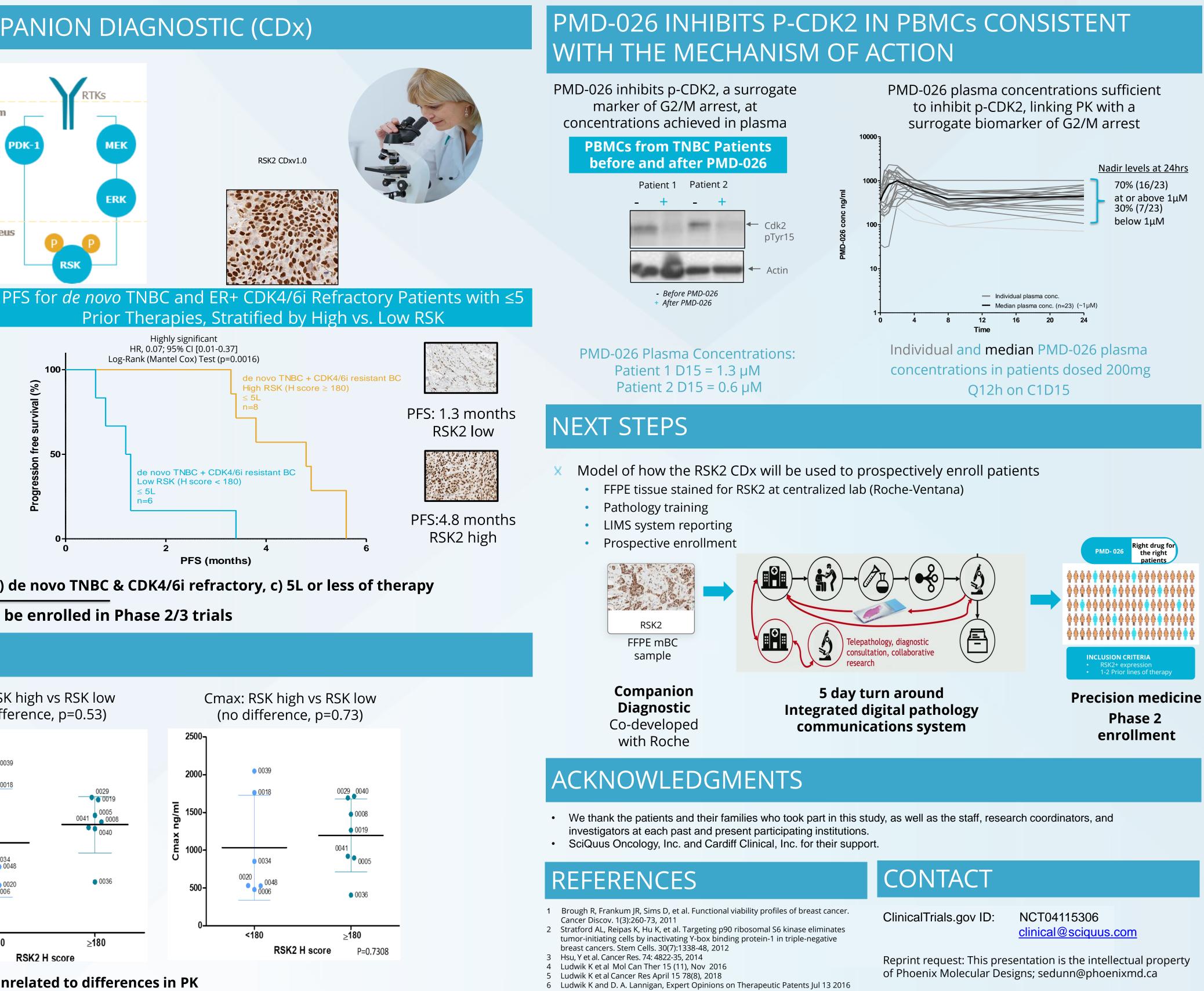
- Activated RSK2 translocates from the cytoplasm into the nucleus and nuclear RSK2 is measured by immunohistochemistry (IHC)
- A total of 37 tumor samples were evaluated
- Tumors were considered RSK2 high if they had an H- Score of  $\geq$ 180 and a RSK2 staining intensity of 2+ or 3+ in  $\geq$ 75% of the tumor nuclei.

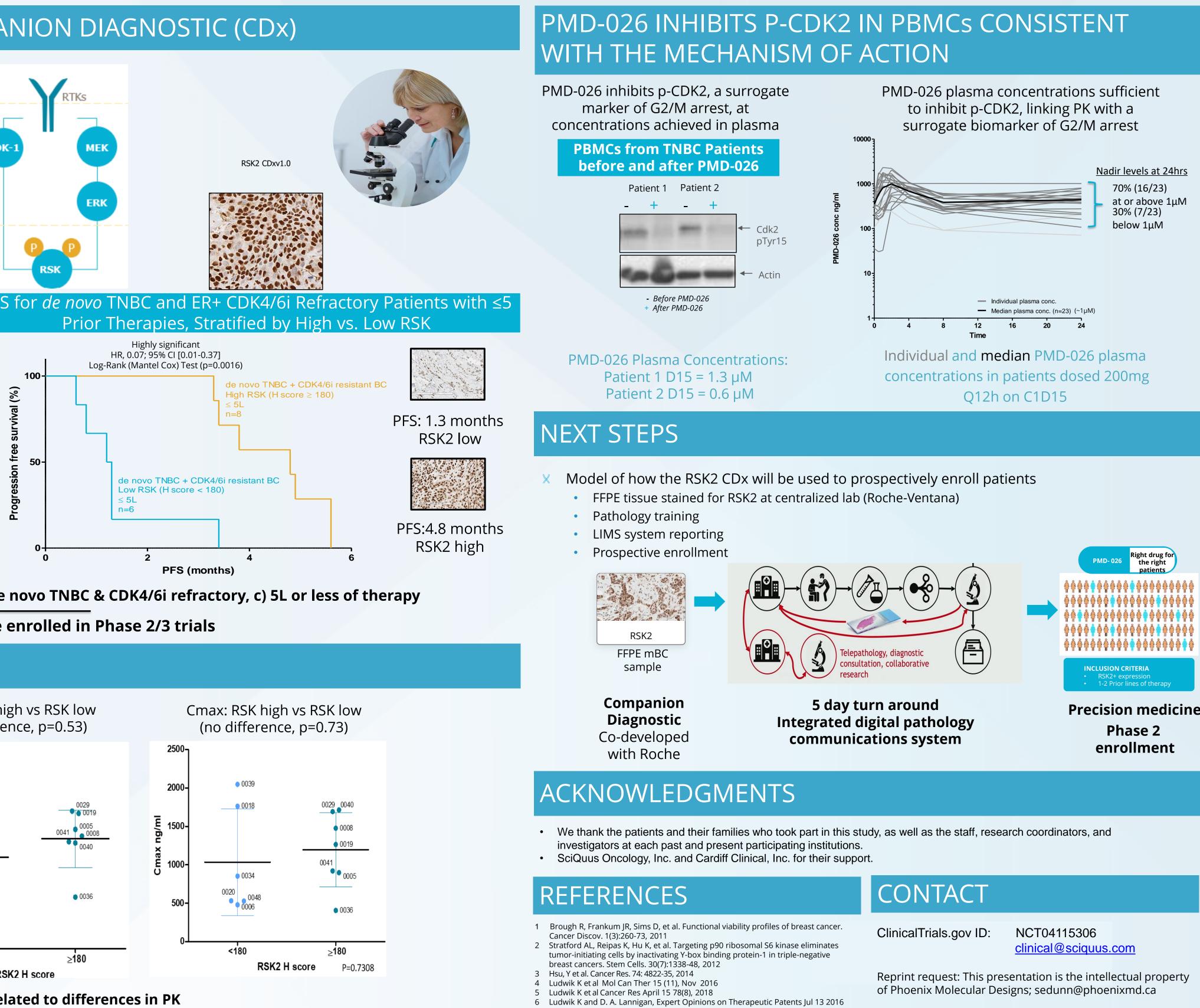




### PFS for *de novo* TNBC and ER+ CDK4/6i Refractory Patients, Stratified by High vs. Low RSK







## PHARMACOKINETICS

