

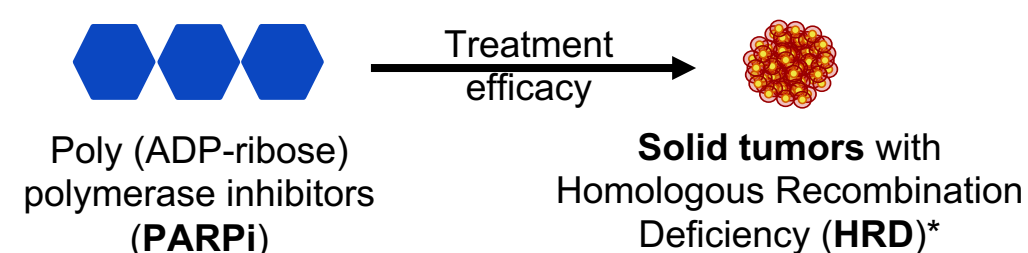
PAVO: A Phase-II, Open Label, Single Arm Study of Niraparib in Patients with Locally Advanced/Metastatic *PALB2* Mutated Tumors

TEMPUS

Tian Zhang¹, Thomas Weart², Matthias Weiss³, Drew Murray⁴, Minaxi Jhaver⁵, Edward Huynh⁶, Shumei Kato⁷, Amy Cummings⁸, Lydia Usha⁹, Arvinder Bhinder¹⁰, Rajiv Desai¹¹, Brad Johnson¹¹, Anjali Avadhani¹¹, Cecile Rose T. Vibat¹¹, Lauren Lopez¹¹, Brynna Driscoll¹¹, Annajane Ward¹¹, Christie K. Rice¹¹, Blathnaid Donovan¹¹, Scott Sherrin¹¹, Mykel Robble¹¹, Stephanie O'Leary¹¹, Kimberly Blackwell¹², Amine Aziez¹³, Stephanie Petrone¹⁴, Kathleen Harnden¹⁵, Kimberly Strickland¹⁶, Sonya Reid¹⁷, Mark Robson¹⁸, Andrew S. Paulson¹⁹, Afshin Dowlati²⁰

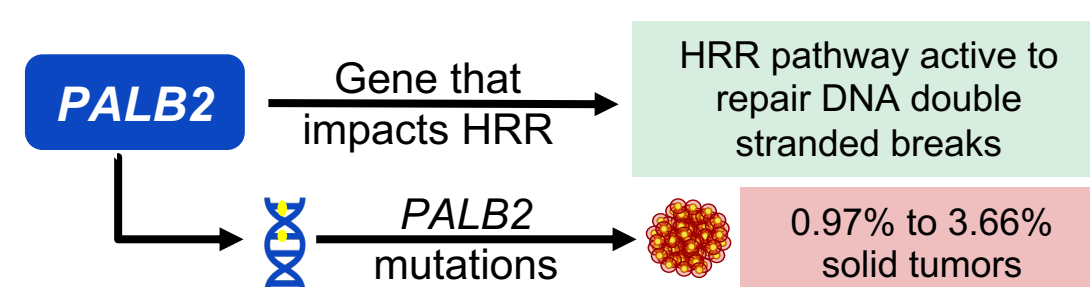
¹UT Southwestern Medical Center, Dallas, TX, ²Virginia Cancer Institute, Richmond, VA, ³ThedaCare, Inc., Appleton, WI, ⁴PeaceHealth, Bellingham, WA, ⁵Englewood Health, Englewood, NJ, ⁶Sharp, HealthCare, San Diego, CA, ⁷University of California, San Diego, La Jolla, CA, ⁸University of California, Los Angeles, Los Angeles, CA, ⁹Rush University Medical Center, Chicago, IL, ¹⁰OhioHealth, Columbus, OH, ¹¹Tempus Labs, Chicago, IL, ¹²Zentalis Pharmaceuticals, New York, NY, ¹³GSK, Zug, Switzerland, ¹⁴GSK, Philadelphia, PA, ¹⁵Inova Health System, Fairfax, VA, ¹⁶Novant Health, Charlotte, NC, ¹⁷Vanderbilt Health, Nashville, TN, ¹⁸Memorial Sloan Kettering Cancer Center, New York, NY, ¹⁹Texas Oncology, Dallas, TX, ²⁰University Hospitals, Cleveland, OH

BACKGROUND



* inability to repair DNA double-stranded breaks via the Homologous Recombination Repair (HRR) pathway

While *BRCA1/2* mutations are main drivers of HRR deficiency, mutations in other genes such as *PALB2* are also associated with susceptibility to various cancers.



Hypothesis: Patients with germline or somatic *PALB2* mutations may benefit from PARPi treatment, as a potential tumor agnostic therapy option.

STUDY RATIONALE

The purpose of this study is to evaluate the efficacy and safety of niraparib in patients with locally advanced/metastatic solid tumors harboring a pathogenic or likely pathogenic *PALB2* (*tPALB2*) mutation

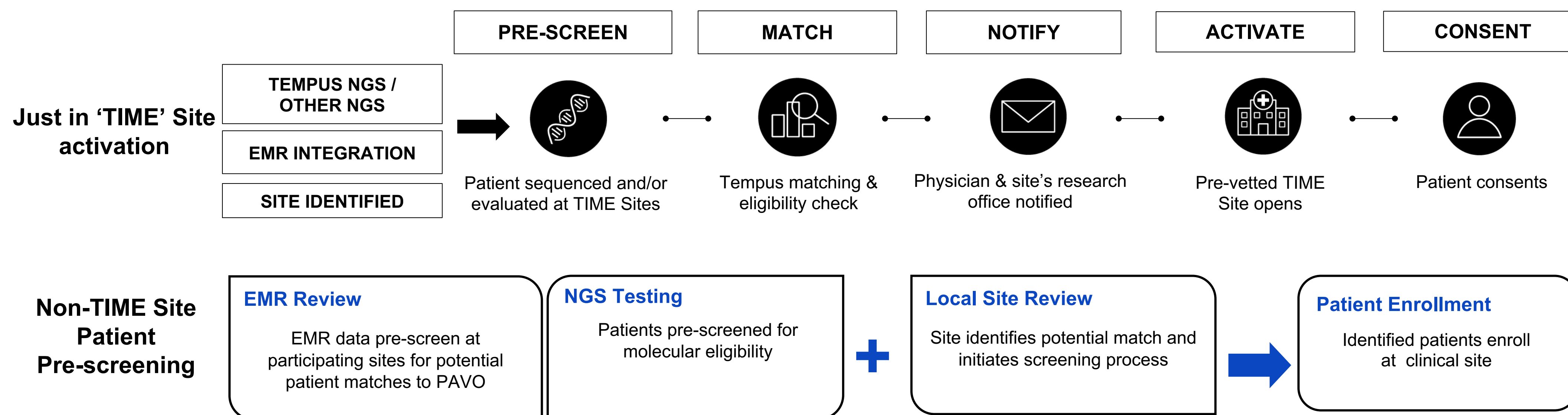
POPULATION

Key Inclusion Criteria
<ul style="list-style-type: none"> ✓ Locally advanced or metastatic solid tumor(s) ✓ Confirmed pathogenic or likely pathogenic somatic or germline <i>PALB2</i> mutation ✓ Received all standard of care (SOC) therapy for tumor type, or are unlikely to derive benefit from SOC therapy ✓ ECOG performance status - 0 or 1
Key Exclusion Criteria
<ul style="list-style-type: none"> ✓ Confirmed <i>BRCA1/2</i> mutation ✓ Prior treatment with any PARPi ✓ Ovarian or prostate cancer ✓ Rapid progression while on platinum-based therapy in the metastatic setting

STUDY DESIGN AND PRESCREENING ALGORITHM

Tempus molecular data tracking and the TIME Trial program enable precision-medicine guided identification and prescreening of patients with rare *tPALB2* alterations

Enrollment occurs through a combination of TIME and other clinical sites, where individualized prescreening models are in development



Trial Summary: Methods, Endpoints, and Statistics

<p>Multi-center, open label study</p> <p>Enrolling solid tumors with <i>tPALB2</i> mutations</p> <p>Up to 110 subjects</p>	<p>Niraparib, daily dosing</p> <p>CT / MRI evaluation every 8 weeks</p> <p>Study treatment until:</p> <ul style="list-style-type: none"> • Documented radiographic progression, • Unacceptable toxicity, • Death, or • Consent withdrawal 	<p>Study endpoints</p> <p>Primary endpoint - Overall response rate (ORR) using RECIST 1.1</p> <p>Key Secondary Endpoints:</p> <ul style="list-style-type: none"> • Duration of response (DOR) • Progression-free survival (PFS) • Clinical Benefit Rate (CBR) • Safety and tolerability (adverse events) per NCI-CTCAE v5.0
<p>Statistical / Interim analyses: Primary efficacy endpoint (ORR) will be assessed using the Bayesian Optimal Phase 2 (BOP2) design, with interim analysis planned when 40 participants have completed their assessment of efficacy (ORR as assessed by Independent Radiology Central Review).</p>		

Protocol Number - TMPS-101
 Compound Name - Niraparib (GSK3985771)
 Clinical Trial Registry - **NCT05169437**

Contact/Correspondence
 Anjali Avadhani, MD, anjali.avadhani@tempus.com

CURRENT STATUS

- Trial open since March 2022
- Currently 13 open sites
- Enrollment, new site identification, referral to opened sites, and molecular prescreening activities are all ongoing.

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