UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 1, 2021

Cardiff Oncology

Cardiff Oncology, Inc.

(Exact name of registrant as specified in its charter)

001-35558

(Commission File Number)

27-2004382 IRS Employer Identification No.)

11055 Flintkote Avenue

San Diego, CA 92121 (Address of principal executive offices)

Registrant's telephone number, including area code: (858) 952-7570

(Former name or former address, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class:Trading Symbol(s)Name of each exchange on which registered:Common StockCRDFNasdaq Capital Market

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

0 Written communication pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

Delaware (State or other jurisdiction

of incorporation or organization)

0 Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

0 Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

0 Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter). Emerging growth company **O**

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. 0

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Item 7.01 Regulation FD Disclosure

Cardiff Oncology, Inc. (the "Company") intends to conduct meetings with third parties in which its corporate slide presentation ("Company Presentation") will be presented. The Company Presentation is attached to this Current Report on Form 8-K as Exhibit 99.1 and incorporated into this Item 7.01 by reference.

In accordance with General Instruction B.2 of Form 8-K, the information furnished under this Item 7.01 of this Current Report on Form 8-K and the exhibit attached hereto are deemed to be "furnished" and shall not be deemed "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section, nor shall such information and exhibit be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits.

99.1 Corporate Presentation of Cardiff Oncology, Inc.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: June 1, 2021

CARDIFF ONCOLOGY, INC.

By: /s/ Mark Erlander

Mark Erlander Chief Executive Officer

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Turning the Tide on Cancer

June 2021

Forward-Looking Statements

Certain statements in this presentation are forward-looking within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may be identified by the use of words such as "anticipate," "believe," "forecast," "estimated" and "intend" or other similar terms or expressions that concern our expectations, strategy, plans or intentions. These forward-looking statements are based on our current expectations and actual results could differ materially. There are a number of factors that could cause actual events to differ materially from those indicated by such forward-looking statements. These factors include, but are not limited to, our need for additional financing; our ability to continue as a going concern; clinical trials involve a lengthy and expensive process with an uncertain outcome, and results of earlier studies and trials may not be predictive of future trial results; our clinical trials may be suspended or discontinued due to unexpected side effects or other safety risks that could preclude approval of our product candidates; risks related to business interruptions, including the outbreak of COVID-19 coronavirus, which could seriously harm our financial condition and increase our costs and expenses; uncertainties of government or third party payer reimbursement; dependence on key personnel; limited experience in marketing and sales; substantial competition; uncertainties of patent protection and litigation; dependence upon third parties; our ability to develop tests, kits and systems and the success of those products; regulatory, financial and business risks related to our international expansion and risks related to failure to obtain FDA clearances or approvals and noncompliance with FDA regulations. There are no guarantees that any of our technology or products will be utilized or prove to be commercially successful. Additionally, there are no guarantees that future clinical trials will be completed or successful or that any precision medicine therapeutics will receive regulatory approval for any indication or prove to be commercially successful. Investors should read the risk factors set forth in our Form 10-K for the year ended December 31, 2020, and other periodic reports filed with the Securities and Exchange Commission. While the list of factors presented here is considered representative, no such list should be considered to be a complete statement of all potential risks and uncertainties. Unlisted factors may present significant additional obstacles to the realization of forward-looking statements. Forward-looking statements included herein are made as of the date hereof, and we do not undertake any obligation to update publicly such statements to reflect subsequent events or circumstances.





Clinical stage biotech company developing onvansertib, an oral and highly-selective PLK1 inhibitor, to treat cancers with the greatest medical needs for new therapeutic options

Cardiff Oncology At-A-Glance



Cardiff Oncology The above financial infor

Clinical-stage biotech company developing **onvansertib**, an oral, highly-selective Polo-like Kinase 1 (PLK1) inhibitor, to treat cancers with the greatest medical needs for new treatment options



Exchange	Nasdaq: CRDF
Cash, Cash Equivalents and Investments*	\$125.6M
Net Cash used in Operating Activities in Q1 2021	\$5.9M
Headquarters	San Diego, CA

Investment Highlights and Strategy



Fully leverage onvansertib in combination with targeted therapeutics and chemotherapies across multiple cancer indications

Onvansertib	The only oral and highly selective PLK1 inhibitor. Optimized product profile overcomes the shortcomings of prior PLK inhibitors. Broadly applicable MOA enables synergy with a wide range of therapeutic classes
Lead program: KRAS-mutated mCRC	Supported by strong preliminary Phase 2 data (ORR: 39%; mPFS: 9.4 months), which compare very favorably to historical controls (ORR: 5-13%; mPFS: 4.5-5.7 months). Program has FDA fast track designation. Updated data anticipated in Q3'21
Broad Portfolio of Indications	Ongoing Phase 2 programs in abiraterone-resistant metastatic castrate-resistant prostate cancer and metastatic pancreatic ductal adenocarcinoma with data readouts anticipated in Q4'21 and Q1'22, respectively. Extensive preclinical programs have identified additional target indications
Strong Patent Portfolio	Three issued patents with anticipated extension to 2035. Evergreening of portfolio via combination therapy and methods associated with biomarker technology
Strong Balance Sheet	\$125.6M in cash as of 3/31/21 with a Q1'21 spend of \$5.9M. Additional \$20M equity investment Q2'21 to-date
High-quality Shareholder Base	Includes institutional investors such as Acorn Bioventures ¹ , Caxton, Avidity, Janus, Corriente and Eventide ²
Cardiff Oncology MOA: Mechanism of activ Bioventures 13D filed on	n: mCRC. Metastatic colonectal cancer: ORR: Objective response rate; mPFS: Median progression free survival; !Acom 2021 Corporation Presentation 5







PLK1 is a Proven Therapeutic Target that is Overexpressed in Most Cancers



- PLK1 controls G2/mitosis (G2/M) checkpoint
- Inhibition of PLK1 causes mitotic arrest and subsequent cell death
- Emerging data demonstrate that PLK1 is also a key regulator of cellular functions beyond mitosis that are essential for tumor growth such as DNA damage response



Cardiff Oncology* 12Itouni et al., Nat Rev Mol Cell Biol. 2014 Jul;15(7):433-52;



Onvansertib Overcomes the Shortcomings of Prior PLK Inhibitors



Prior generation PLK inhibitors demonstrated clinical activity but had less than optimal drug properties

	Onvansertib	Prior PLK Inhibitors
Selectivity for PLK1	\checkmark	×
Oral dosing	\checkmark	×
Flexible dose and scheduling	\checkmark	×
Safety and Tolerability	\checkmark	×

Cardiff Oncology

Summary of Onvansertib Safety and Tolerability Findings



Combination regimens have been well-tolerated in clinical trials across multiple indications



Onvansertib Synergistically Combines with Standard-of-Care Therapies

- Preclinical models indicate that onvansertib can synergize with targeted and chemo-therapies.
- The underlying mechanism for many of these synergies is due to PLK1's function in:
 - Repair of DNA damage
 - Mitotic processes
- Synergy suggests that lower doses can be used for both onvansertib and the targeted or chemotherapy; potentially decreasing AEs















KRAS-Focused Clinical Programs

Leveraging the synergy of onvansertib when combined with irinotecan and/or 5-FU

Targeted Therapies for KRAS-mutant Patients is an Unmet Need

- · KRAS Targeted drugs in development:
 - Two KRAS G12C inhibitors are currently in clinical development
 - Sotorasib (AMG510, Amgen)

Cardiff Oncology "Hong et al., NEJM 2020; 3 Johnson et al., ENA 20 Objective response rate; CRC: Colorectal cancer

- Adagrasib (MRTX849, Miriati Therapeutics)
- · KRAS G12C inhibitors have limited efficacy in mCRC patients
 - At the last data update, Sotorasib had an ORR of 7% (3 of 42 patients)¹ and Adagrasib of 17% (3 of 18 patients)²
 - KRAS G12C represents only 8% of KRAS mutations in CRC
- · SHP2 inhibitor in combination with MEK inhibitor has had limited activity in mCRC³
- · Onvansertib provides new potential treatment option in mCRC and other KRAS mutated cancers
 - Downstream target with synthetic lethality across KRAS mutations



Cells with KRAS Mutations are Hypersensitive to Inhibition of PLK1¹



- RAS activates PLK1 through a MEK/ERKindependent mechanism
- Downstream target CRAF interacts with PLK1 and promotes PLK1 activation, leading to mitosis and tumor progression²

Cardiff Oncology" 'Luo et al. Cell. 2009; 137 835-48; ?Mielgo et al., Nat. Med. 2011; 17(12);1641-5; PLK1: Polo-like Kinase 1; CRC: Colorectal cancer	2021 Corporation Presentation	15
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Early Decreases in Plasma KRAS Mutational Burden are Associated with Clinical Benefit









Standard-of-Care Second Line mCRC Benchmarks for Median ORR, PFS and OS

	Objective Response Rate (ORR)	Progression-Free Survival (PFS)	Overall Survival (OS)
Systematic Literature-Based Analysis of 23 Randomized Trials (10,800 Patients) in Second-Line mCRC ¹ (2000 – 2013)	11.4%	4.5 months	11.5 months
TRIBE2 Randomized Phase 3 Trial: SOC arm FOLFIRI + bev in Second-line following FOLFOX + bev First-line ^{2,3} (2015 – 2017)	13%	5.6 months	Not Reported for Second-line
ML18147 Phase 3 Registrational Trial of FOLFIRI + bev in second-line ⁴ (2006 – 2008)	5%	5.7 months	11.2 months

Prognosis is poor with a five-year survival rate of 10%

Other drugs currently in development do not address the most prevalent KRAS mutations in mCRC

Cardiff Oncology Generation Presentation | 20 2020, "Bennouna et al., Lancet Oncol 2013; 14: 29-37; mCRC: Metastatic colorectal cancer, SOC: Standard-of-care 2021 Corporation Presentation | 2021 Corporation | 2021 Corporation Presentation | 2021 Corporation | 2021 Corpor

KRAS is a Pivotal Diagnostic Biomarker in the CRC Treatment Paradigm



KRAS Wild Type

EGFR inhibitor + chemotherapy

Metastatic CRC

- KRAS-mutated patients do not benefit from anti-EGFRs agents:
 - No increase in OS, PFS and ORR was observed in KRAS mutant patients treated with EGFR inhibitors vs control arm^{1,2}
 - The use of anti-EGFRs is therefore limited to KRAS WT patients
- Mutations in KRAS represent the most frequent mechanism of resistance to anti-EGFRs (i.e. cetuximab)



KRAS Mutant

1st line

Trial Design: Phase 1b/2 Open Label Study of Onvansertib + FOLFIRI/bevacizumab

Trial Design



Phase 1b/2 KRAS-mutated mCRC Trial Enrollment and Patient Baseline Characteristics



Enrollment (as of 04-Apr-2021)

Number of Patients (N)	Phase 1b, Dose Level 0, Onvansertib 12 mg/m ²	Phase 1b, Dose Level +1 Onvansertib 15 mg/m ²	Phase 1b, Dose level +2 Onvansertib 18 mg/m ²	Phase 2, RP2D Onvansertib 15 mg/m²
Treated	6	6	6	11
Completed Cycle 1	5	6	5	6
Currently on Treatment	0	3	2	11

Total Patients N=29	Median [range] or n (%)	Total Patients N=29	Median [range] or r
Age (years)	56 [36-83]	Liver metastasis	
Sex		None	8 (28%)
Male	16 (55%)	Liver and other	14 (48%)
Female	13 (45%)	Liver only	5 (17%)
ECOG		Number of metastatic organs	
0	17 (59%)	1	10 (34%)
1	11 (38%)	≥2	17 (59%)
Primary tumor site		Prior bevacizumab treatment	
Colon	13 (45%)	Yes	16 (55%)
Rectum	10 (34%)	No	8 (28%)
Unknown/Not provided	6 (21%)		

Cardiff Oncology " mCRC: Metastatic colorectal cancer; RP2D: Recommended Phase 2 dose; ECOG: Eastern Cooperative Oncology Group,

Phase 1b/2 KRAS-mutated mCRC Trial Safety Assessment



Adverse Events (AEs)		Grade 2	Grade 3		All Grades	 5 patients had G4 adv
Nausea	13	5	2	0	20	 G4 neutropenic fe
Fatigue	10	8	1	0	19	Decreased WBC
Neutropenia	3	4	5	4	16	neutropenia and \
Abdominal pain	8	5	1	0	14	 Onvansertib RP2D was
Diarrhea	7	5	0	0	12	
Alopecia	8	2	0	0	10	 Combination regimen
WBC Decreased	3	5	1	1	10	 Of all AEs only 11
Vomiting	4	4	1	0	9	- The only G3/G4 A
Anemia	6	2	0	0	8	neutropenia (n=8)
Platelet count decreased	5	2	0	0	7	growth factor and
Stomatitis	5	1	0	0	6	WBC decease (n=
Headache	5	0	0	0	5	
Neuropathy	4	0	0	0	4	 5-FU bolus was discor
Epistaxis	4	0	0	0	4	due to hematological t
ALT increase	3	0	1	0	4	associated toxicities
Hypertension	1	1	1	0	3	 No major or unexpected
Dehydration	0	2	1	0	3	

- ents had G4 adverse events:
- 64 neutropenic fever (n=1); G4 neutropenia (n=4); Decreased WBC (n=1); Hyperphosphatemia (n=1) - also eutropenia and WBC deceased noted above
- nsertib RP2D was confirmed at 15 mg/m²
- bination regimen was well tolerated:
 - Of all AEs only 11.3% (28/247) were G3/G4
 - The only G3/G4 AE reported in ≥2 patients were eutropenia (n=8); which was managed by dose delay, rowth factor and/or discontinuation of the 5-FU bolus; VBC decease (n=2); Nausea (n=2)
- bolus was discontinued in 16 of 18 patients in Phase 1b hematological toxicities; which led to resolution of ciated toxicities
- ajor or unexpected toxicities were attributed to onvansertib

Assessment of Preliminary Efficacy and Duration of Response





Progression Free Survival (PFS)



Median PFS to-date is 9.4 months, which is ~2-fold greater than current SOC mPFS of 4.5 - 5.7 months

2021 Corporation Presentation | 25

e: PFS: P al: mPFS: M edian PFS; SOC: s

Significant Decreases in KRAS Mutational Burden in Cycle 1 are Predictive of Subsequent Tumor Shrinkage on Radiographic Scan



- Clinical responses were observed across KRAS mutations, including the 3 most prevalent in CRC (G12D, G12V, G13D)
- The greatest decreases in KRAS MAF after 1 cycle of treatment were observed in patients achieving a PR
 - All 7 patients with a PR had >75% decrease

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- 5 of the 7 patients with SD had reductions >75%
- The 2 patients who progressed showed a more modest decrease in KRAS MAF (-55% and -26%)



2024 Comparison Deconstation

Phase 1b/2 Trial Patient Case Report – Patient 01-019 Background



Patient Overview: 83-year-old woman with KRAS G12D metastatic colon cancer



Phase 1b/2 Trial Patient Case Report – Patient 01-019 Response



Summary

•

January 2021 (8-week scan): stable disease [SD] (-16%) with decrease in size of metastatic lesions

• March 2021 (16-week scan): partial response [PR] (-39%) with further decrease in size of metastatic lesions





Fast Track Designation enables more frequent interaction with the FDA and may facilitate an accelerated regulatory path



Cardiff Oncology mCRC: Metastatic colorectal cancer

²⁰²¹ Corporation Presentation | 29



New Second-Line Therapies are Needed for Metastatic Pancreatic Ductal Adenocarcinoma (PDAC) Patients



Trial Design: Phase 2 Open Label Study of Onvansertib + Nanoliposomal Irinotecan + 5-FU in Metastatic PDAC

Trial Design (~45 patients):	
1 CYCLE = 14 Days	
Treatment Course (Da	ys)
1 2 3 4 5 6 7 8 9	10 11 - 14
Onvansertib 12 mg/m²	
Onvansertib to be administered on Days 1-10 (12 mg/m²) based on safety lead-in of 6 patients (wi	th option to dose 15 mg/m² on Days 1-5)
Nanoliposomal Irinotecan (nal-IRI) + 5-FU	
 Eligibility Criteria Prior abraxane/gemcitabine and no prior irinotecan, nanoliposomal irinotecan or investigational PLK1 inhibitor Primary Efficacy Endpoint Objective response rate (ORR) 	 Criteria for Clinical Proof of Concept 20% (8/39) patients) Objective Response Rate
Cardiff Oncology" PDAC: Pancreatic ductal adenocarcinoma	2021 Corporation Presentation 32











Onvansertib Extends Response to Androgen Receptor Signaling Inhibitors



PLK1 is overexpressed in prostate cancer and linked to higher tumor grades²

PLK1 inhibition + abiraterone demonstrated synergy in CRPC in vitro and in vivo models: combination induced increased mitotic arrest and apoptosis . in comparison with single agents alone

Ongoing preclinical studies suggest that abiraterone sensitizes cells to onvansertib through regulation of mitotic processes

Cardiff Oncology" 'Patterson & Yaffe, 2019, MIT: "Welchert et al., Prostate 2004;60(3):240-5; Abi: Abi 2021 Corporation Presentation | 36

Identifying an Onvansertib-Abiraterone Response Gene Signature





Trial Design: Phase 2 Open Label Study of Onvansertib + Abiraterone in Metastatic Castrate-Resistant Prostate Cancer

Key Eligibility Criteria:

 Initial signs of abiraterone resistance defined as 2 rising PSAs; one rise of ≥0.3 ng/mL separated by one week

Treatment Schedules for Each Study Arm

Arm A (n=24)				Arn	n B (n	n=32)		Arm C (n=32)		
21-day cycle) + Abi	(14-day cycle) + Abi					Abi	(21-day cycle) + Abi			
3 4 5 6-2		1	2	3	4	5	6 - 14	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15-		
sertib 24 mg/m ² 5+1	5	Or	nvans	ertib 1	8 mg	/m²	5+9	Onvansertib 12 mg/m ² 14	+7	

Key Exclusion Criteria:

- Prior treatment with either
 enzalutamide or apalutamide
- Rapidly progressing disease or significant symptoms related to disease progression

Enrollment as of January 11 ^m , 2021	
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Number of patients (N)	Arm A (5+16)	Arm B (5+9)	Arm C (14+7)
Treated	24	17	10
Completing 12-weeks	14	8	6
Currently on Treatment	0	4	7

Efficacy Endpoints

- Primary: Disease control evaluated as PSA decline or stabilization (PSA rise <25% over baseline) after 12 weeks of treatment
- Secondary: Radiographic response per RECIST v1.1 criteria, time to
 PSA progression, and time to radiographic response

Criteria for Clinical Proof of Concept

 30% (10/32 patients) disease control rate (DCR) following 12 weeks of treatment

Cardiff Oncology" mCRPC: Metastatic castrate-resistant prostate cancer; PSA: Prostate specific antigen

Phase 2 mCRPC Trial Baseline Characteristics and Safety



Baseline Characteristics

Total patients N=51	Median [range] or n (%)
Age, years	72 [51-87]
Nonwhite ethnicity	7 (14%)
ECOG	
0	43 (84%)
1	7 (14%)
Years since diagnosis	4 [1-28]
Grade groups 4 and 5	29 (57%)
De novo metastatic disease	19 (37%)
Presence of bone metastasis	42 (82%)
Presence of visceral metastasis	18 (35%)
Baseline PSA, ng/mL	11.4 [0.6-515]
AR-V7+ at baseline*	10 (20%)
Baseline CTC/7.5 mL of blood**	15.8 [0-653]

Safety Assessment

- Most frequent Grade 3 and 4 adverse events (AEs) were expected, on-target, reversible hematological (anemia, neutropenia, thrombocytopenia and WBC decrease), associated with the mechanism of action of onvansertib
- Hematological AEs were reversible and effectively managed by dose delay, dose reduction and/or growth factor support

Most Common Treatment-Emergent Adverse Events in Treated Patients (≥10% of patients)

Adverse Events	Grade 1	Grade 2	Grade 3	Grade 4	All Grades
Anemia	10 (20%)	6 (12%)	1 (2%)		17 (33%)
Fatigue	10 (20%)	3 (6%)			13 (25%)
Thrombocytopenia	11 (22%)	1 (2%)			13 (25%)
Neutropenia	1 (2%)	1 (2%)	7 (14%)		12 (24%)
Hypophosphatemia	3 (6%)	3 (6%)	4 (8%)		10 (20%)
WBC decrease	3 (6%)	2 (4%)	3 (6%)	2 (4%)	10 (20%)
Back pain	4 (8%)	3 (6%)			7 (14%)
Hypokalemia	3 (6%)	1 (2%)	1 (2%)		5 (10%)
n= number of patients (tota	l N=51)				

University testing platforms **CTC count was performed by EPIC Cardiff Oncology "
Cardiff Oncology "
Cardiff Oncology "
Cardiff Oncology (
Cardiff Oncology Coupt PSA: Prostate specific antigen; AR-V7:
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Assessment of Preliminary Efficacy and Duration of Response

Preliminary Data Summary for Evaluable Patients				
	Arm A (5+16)	Arm B (5+9)	Arm C (14+7)	
Evaluable for efficacy*	17	12	8	
Completed \geq 12 weeks of treatment	14	8	6	
Had radiographic or clinical progression within 12 weeks	3	4	2	
Disease control at 12 weeks**	5 (29%)	3 (25%)	5 (63%)	
Radiographic SD at 12 weeks	9 (53%)	5 (42%)	6 (75%)	
Durable response (≥6 months)	5 (29%)	5 (42%)	3 (37%)	

Two-fold increase in disease control achieved with greater dose-density schedule in Arm C

Treatment Response and Duration



26% (5/19) DCR at 12 weeks in patients with at least 1 AR alteration associated with abiraterone resistance

Cardiff Oncology Cardiff Oncology Completed at least 12 weeks of treatment or had radiographic/clinical progression within 12 weeks: "Defined as prostate specific antigen (PSA) 2021 Corporation Presentation | 40

Recent and Upcoming Milestones: mCRPC







Preclinical Programs to Expand Onvansertib Pipeline of Indications



Onvansertib is a Platform Molecule

	PLK1 Function to Inhibit DNA Repair		PLK1 Function to Inhibit Mitosis			
	DNA Damaging Agent			Microtubule (MT) Targeting Agents (Disruption of Mit		
Cancer Indication	Chemo: Irinotecan & 5-FU	PARP Inhibitors	Radiation	Paclitaxel-MT Stabilizer	Abiraterone	DM4-MT Destabilizer
mCRC	\checkmark					
mCRPC		✓			✓	
PDAC	✓	✓		 Image: A second s		
Breast (TNBC and ER ⁺)		\checkmark		✓		
Ovarian		\checkmark		✓		✓
SCLC	✓	✓		\checkmark		
Medulloblastoma			\checkmark			

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Identifying Novel Effective Combinations of Onvansertib in CRC





PDX models from CRC patient biopsies with clinical and molecular features available



Combining Onvansertib and PARP Inhibitors



PARP Inhibitors

- · PARP inhibitors are approved for BRCA1/2 mutant ovarian, breast, prostate and pancreatic cancer patients
- Although initial response to PARP inhibitors is high, patients will eventually develop resistance
- · Mechanisms of resistance to PARP inhibitors include restoration of homologous recombination (HR)

PLK1 Facilitates HR during Double Strand DNA Break (DSB) Repair

PLK1 phosphorylates Rad51 and BRCA1, facilitating their recruitment to DSB sites and thereby HR-mediated DNA repair^{1,2}



PLK1 Inhibition Sensitizes Cancer Cells to PARP Inhibitors



- In vitro preclinical studies showed that PLK1 inhibition sensitized cells to genotoxic stresses (i.e. radiation) and to PARP inhibitors through impairment of HR^{1,2}
- Onvansertib sensitizes tumor cells to PARP inhibition in vivo:
 - In an ovarian BRCA1-mutant PDX model resistant to olaparib, the combination of onvansertib and the PARP inhibitor olaparib significantly increased the survival of mice (2.7-fold vs control or olaparib single agent)³
- Onvansertib has the potential to sensitize tumors resistant to PARP inhibitors and thereby expand the use of PARP inhibitors in the clinic



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High-quality Shareholder Base	Includes institutional investors such as Acorn Bioventures ¹ , Caxton, Avidity, Janus, Corriente and Eventide ²		
Cardiff Oncology MOA: Mechanism of activ Bioventures 13D filed on	on: mCRC: Metastatic colorectal cancer; ORR: Objective response rate; mPFS: Median progression free survival; Vacom 2021 Corporation Presentation 48		





Thank You

for more information contact: ir@cardiffoncology.com