

# Delivering Novel Therapies in RAS/MAPK Pathway Driven Cancers

November 2024  
Corporate Presentation



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This presentation includes forward-looking statements about, among other things, Verastem Oncology's (the "Company") programs and product candidates, strategy, future plans and prospects, including statements related to the scope and expecting timing for the FDA's review of the rolling New Drug Application (NDA) submission for the avutometinib and defactinib combination in LGSOC, the ongoing discussions with the FDA and the ability to obtain Accelerated Approval and Priority Review of the mature RAMP 201 data, the potential of the combination of avutometinib and defactinib to change the way patients with recurrent LGSOC are treated, the expected outcome and benefits of collaborations, including with GenFleet Therapeutics (Shanghai), Inc. (GenFleet), the status of enrollments for and potential of the results of the RAMP 301 Phase 3 trial to expand the indication regardless of KRAS mutation status, the structure of our planned and pending clinical trials, the potential clinical value of various of the Company's clinical trials, including the RAMP 201, RAMP 205 and RAMP 301 trials, the timing of commencing and completing trials, including topline data reports, interactions with regulators, the timeline and indications for clinical development, regulatory submissions, the potential for and timing of commercialization of product candidates and potential for additional development programs involving the Company's lead compound and the potential market opportunities of, and estimated addressable markets for, our drug candidates. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "plan," "predict," "project," "target," "potential," "will," "would," "could," "should," "continue," "can," "promising" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Each forward-looking statement is subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied in such statement.

Applicable risks and uncertainties include the risks and uncertainties, among other things, regarding: the success in the development and potential commercialization of our product candidates, including avutometinib in combination with other compounds, including defactinib, LUMAKRAS and others; the uncertainties inherent in research and development, such as negative or unexpected results of clinical trials, the occurrence or timing of applications for our product candidates that may be filed with regulatory authorities in any jurisdictions; whether and when regulatory authorities in any jurisdictions may approve any such applications that may be filed for our product candidates, and, if approved, whether our product candidates will be commercially successful in such jurisdictions; our ability to obtain, maintain and enforce patent and other intellectual property protection for our product candidates; the scope, timing, and outcome of any legal proceedings; decisions by regulatory authorities regarding trial design, labeling and other matters that could affect the timing, availability or commercial potential of our product candidates; whether preclinical testing of our product candidates and preliminary or interim data from clinical trials will be predictive of the results or success of ongoing or later clinical trials; that the timing, scope and rate of reimbursement for our product candidates is uncertain; that the market opportunities of our drug candidates are based on internal and third-party estimates which may prove to be incorrect; that third-party payors (including government agencies) may not reimburse; that there may be competitive developments affecting our product candidates; that data may not be available when expected; that enrollment of clinical trials may take longer than expected, which may delay our development programs, including delays in review by the FDA of our NDA submission in recurrent KRAS mutant LGSOC if enrollment in our confirmatory trial is not well underway at the time of submission or that the FDA may require the company to enroll additional patients in the Company's ongoing RAMP 301 confirmatory Phase 3 clinical trial prior to Verastem submitting or the FDA taking action on our NDA seeking accelerated approval; risks associated with preliminary and interim data, which may not be representative of more mature data, including with respect to interim duration of therapy data; that our product candidates will cause adverse safety events and/or unexpected concerns may arise from additional data or analysis, or result in unmanageable safety profiles as compared to their levels of efficacy; that we may be unable to successfully validate, develop and obtain regulatory approval for companion diagnostic tests for our product candidates that require or would commercially benefit from such tests, or experience significant delays in doing so; that the mature RAMP 201 data and associated discussions with the FDA may not support the scope of our NDA submission for the avutometinib and defactinib combination in LGSOC, including with respect to KRAS wild type LGSOC; that our product candidates may experience manufacturing or supply interruptions or failures; that any of our third-party contract research organizations, contract manufacturing organizations, clinical sites, or contractors, among others, who we rely on fail to fully perform; that we face substantial competition, which may result in others developing or commercializing products before or more successfully than we do which could result in reduced market share or market potential for our product candidates; that we will be unable to successfully initiate or complete the clinical development and eventual commercialization of our product candidates; that the development and commercialization of our product candidates will take longer or cost more than planned, including as a result of conducting additional studies or our decisions regarding execution of such commercialization; that we may not have sufficient cash to fund our contemplated operations, including certain of our product development programs; that we may not attract and retain high quality personnel; that we or Chugai Pharmaceutical Co., Ltd. will fail to fully perform under the avutometinib license agreement; that our total addressable and target markets for our product candidates might be smaller than we are presently estimating; 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# Verastem Oncology: Preparing to Commercialize First Novel RAS/MAPK/FAK Combo Asset with Billion-Dollar Addressable Market Opportunity

Transition to commercial-stage company focused on RAS/MAPK-driven cancers



**Avutometinib and defactinib combo has the potential to become the first and only FDA approved treatment for recurrent KRAS mutant LGSOC as soon as 2025**

**Market expansion opportunities with avutometinib + defactinib in first-line metastatic pancreatic cancer and advanced lung cancer**

**Discovery partnership with GenFleet Therapeutics on novel, potential best-in-class RAS pathway-related programs, including clinical stage KRAS G12D inhibitor, for additional value creation**

# Verastem Oncology: Preparing to Commercialize First Novel RAS/MAPK/FAK Combo Asset with Billion-Dollar Addressable Market Opportunity

Pipeline assets have the potential to provide significant market opportunity in both short- and long-term

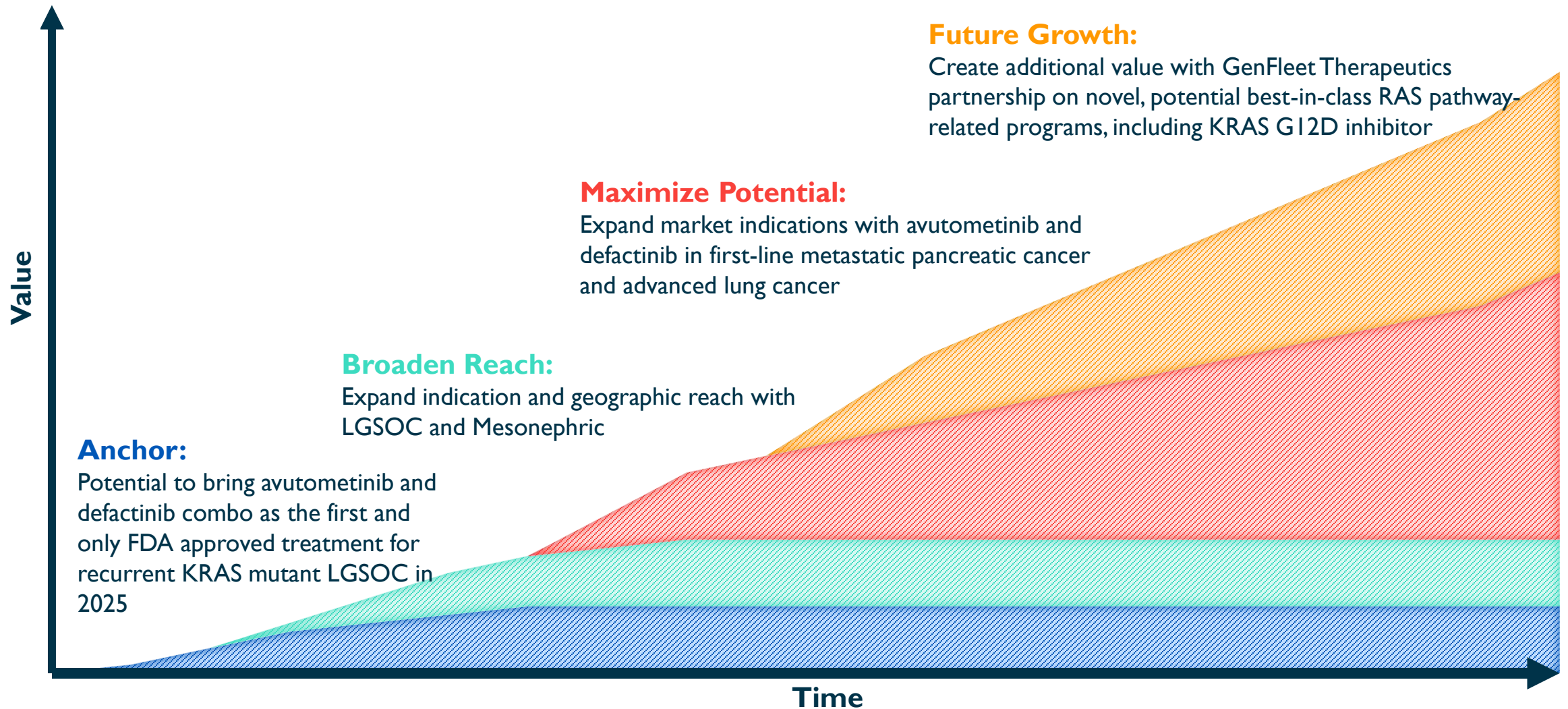
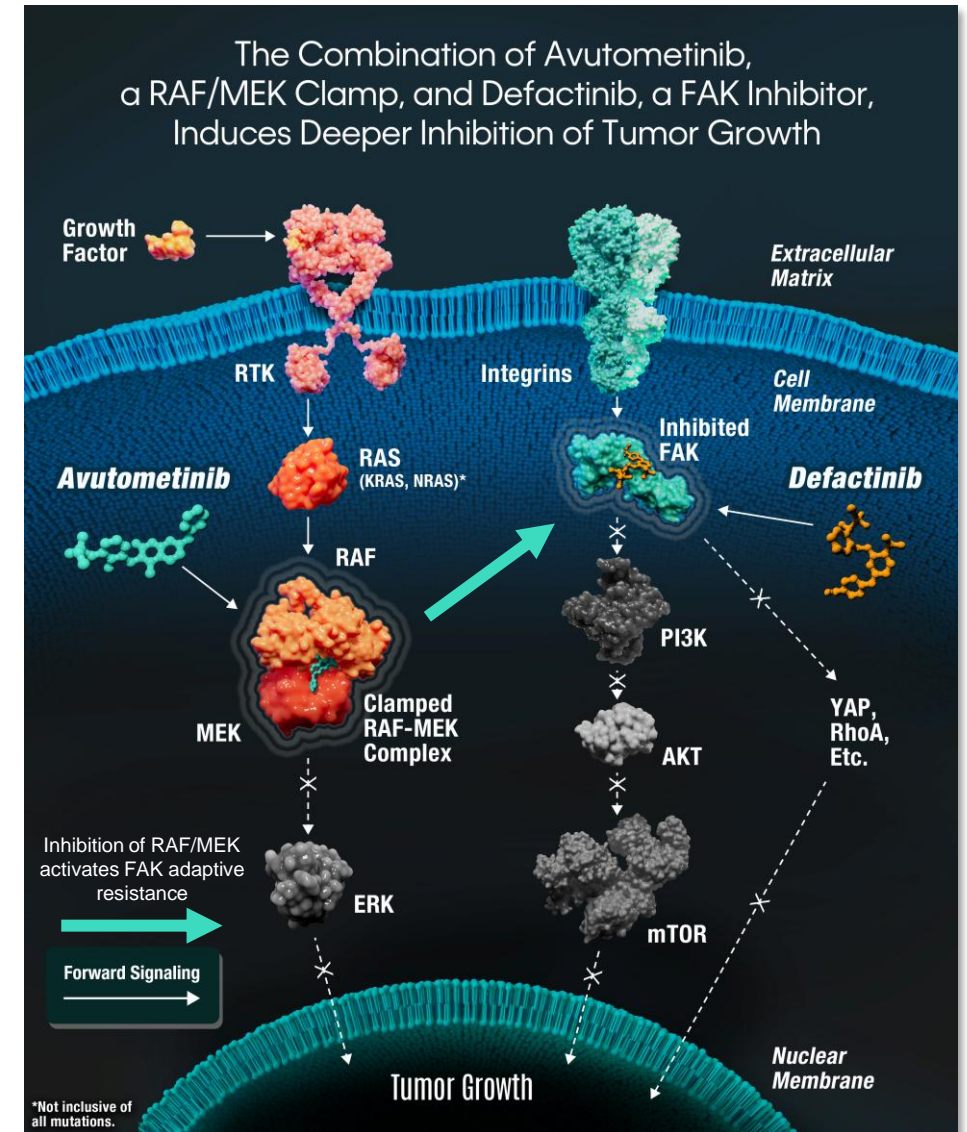


Image for illustrative purposes only.

PDAC: pancreatic ductal adenocarcinoma cancer; NSCLC: non-small cell lung cancer

# Avutometinib + Defactinib Aims to Inhibit Multiple Resistance Mechanisms in the RAS/MAPK Pathway to Improve Patient Outcomes

- 70% of LGSOC tumors are driven by RAS/MAPK pathway-associated mutations<sup>1-4</sup>
  - 30% are KRAS mutant with other mutations including NRAS, BRAF, NFI, and other RAS pathway-associated gene mutations
- Avutometinib is an oral RAF/MEK clamp that potently inhibits MEK kinase activity while also blocking the compensatory reactivation of MEK by upstream RAF<sup>5-7</sup>
- FAK is activated in response to MAPK pathway inhibition by avutometinib as well as by RAF inhibitors and MEK-only inhibitors<sup>8,9</sup>
- Defactinib is an oral selective FAK inhibitor that inhibits parallel pathway signaling and FAK inhibition has been demonstrated to enhance the antitumor efficacy of avutometinib both preclinically and clinically<sup>10-12</sup>
- Together, avutometinib and defactinib have the potential to offer more complete blockade of the signaling that drives the growth of RAS/MAPK pathway-dependent tumors with the objective of deeper and more durable responses



# Clinical Program Designed to Address LGSOC and Beyond

Trial/Regimen	Discovery Phase	IND-Enabling/ Preclinical	Phase I	Phase 2	Phase 3	Anticipated Milestones
<b>Avutometinib + Defactinib: Recurrent LGSOC</b>						
<b>RAMP 301</b> RAF/MEK Clamp + FAKi vs ICT						RAMP 301 Ongoing Enrollment
<b>RAMP 201</b> RAF/MEK Clamp + FAKi						FDA filing decision expected before the end of 2024 with potential for FDA approval decision and U.S. launch by mid-2025
<b>Avutometinib ± Defactinib + KRAS G12C Inhibitor: mKRAS G12C NSCLC</b>						
<b>RAMP 203</b> RAF/MEK Clamp ± FAKi + KRAS G12Ci (sotorasib) Amgen Collaboration						Expect to report updated interim data on the doublet combination and initial safety and the status of enrollment for the triplet combination by the end of 2024
<b>Avutometinib + Defactinib + Chemotherapy: 1L Metastatic Pancreatic Cancer</b>						
<b>RAMP 205</b> RAF/MEK Clamp + FAKi + gemcitabine, nab-paclitaxel PanCAN Collaboration						Expect to report updated safety and efficacy data in Q1 2025
<b>GenFleet Collaboration of RAS/MAPK-Pathway Targeted Assets</b>						
<b>VS-7375/GFH375</b> KRAS G12D (ON/OFF) inhibitor						Phase I/2 trial in China ongoing; Initial data readout of study in China expected in 2025; Anticipate filing U.S. IND by Q1 2025
<b>Undisclosed</b>						
<b>Undisclosed</b>						

# Avutometinib and Defactinib in Recurrent Low-Grade Serous Ovarian Cancer (LGSOC)

Potential Approval for Recurrent  
KRAS mutant LGSOC in 2025



Amanda, real patient living with  
recurrent LGSOC  
Diagnosed at 26 with LGSOC



# Verastem Aims to Deliver First FDA-Approved Treatment Specifically for Recurrent KRAS mutant LGSOC in 2025

## Avutometinib + Defactinib Demonstrated Durable Results Across Various Efficacy Measures in Heavily Pretreated Patients in RAMP 201

- 31% Overall ORR, 44% in KRAS mt, 17% in KRAS wt
- 82% of all patients had tumor shrinkage
  - 14.5 months estimated mean DoT, 18.3 months in KRAS mt and 10.7 months in KRAS wt
- 12.9 months median PFS, 22 months in KRAS mt, 12.8 months in KRAS wt
- 10% discontinuation rates due to adverse events

## Clear Regulatory Path for KRAS Mutant

- Completed the NDA submission in October for recurrent KRAS mutant LGSOC; Pursuing Accelerated Approval with Priority Review
- RAMP 301 enrollment remains on track and will continue enrolling all comers
- Committed to make the combination available to patients with KRAS wild-type in several ways, including a path for regulatory approval

## Significant Market Opportunity in Area of High Unmet Need

- SoC (Chemo/Hormonal) is associated with low response rates (6-13%) with PFS below 12 months and high discontinuation rates due to toxicity
- Plan to be launch ready in 2025 to maximize market opportunity in recurrent KRAS mutant LGSOC
- Plan to submit RAMP 201 for NCCN guideline review
- NCCN guideline inclusion may enable patients with KRAS wild-type LGSOC to access therapy, if FDA-approved



# High Unmet Need for an Effective & Tolerable Therapy in Recurrent LGSOC

- **U.S. Incidence / Prevalence:** 1k-2k<sup>1</sup> / 6k-8k<sup>2</sup> / **Worldwide:** 80,000
- Affects **younger population** (20-30s) and disproportionately **impacts health, fertility, and long-term quality of life**<sup>3,4</sup>
- **80%+ of patients will experience a recurrence**<sup>5</sup>
- **Disease currently managed by NCCN guidelines**, with no FDA approved treatments
- Current SoC **offer poor to moderate response rates** (6-13%) and patients cycle through therapy<sup>6,7,8</sup>
- **Median OS of ~10 years** from time of diagnosis<sup>9</sup>
  - KRAS mt – ~12 years<sup>10</sup> and KRAS wt – ~7 years<sup>10</sup>

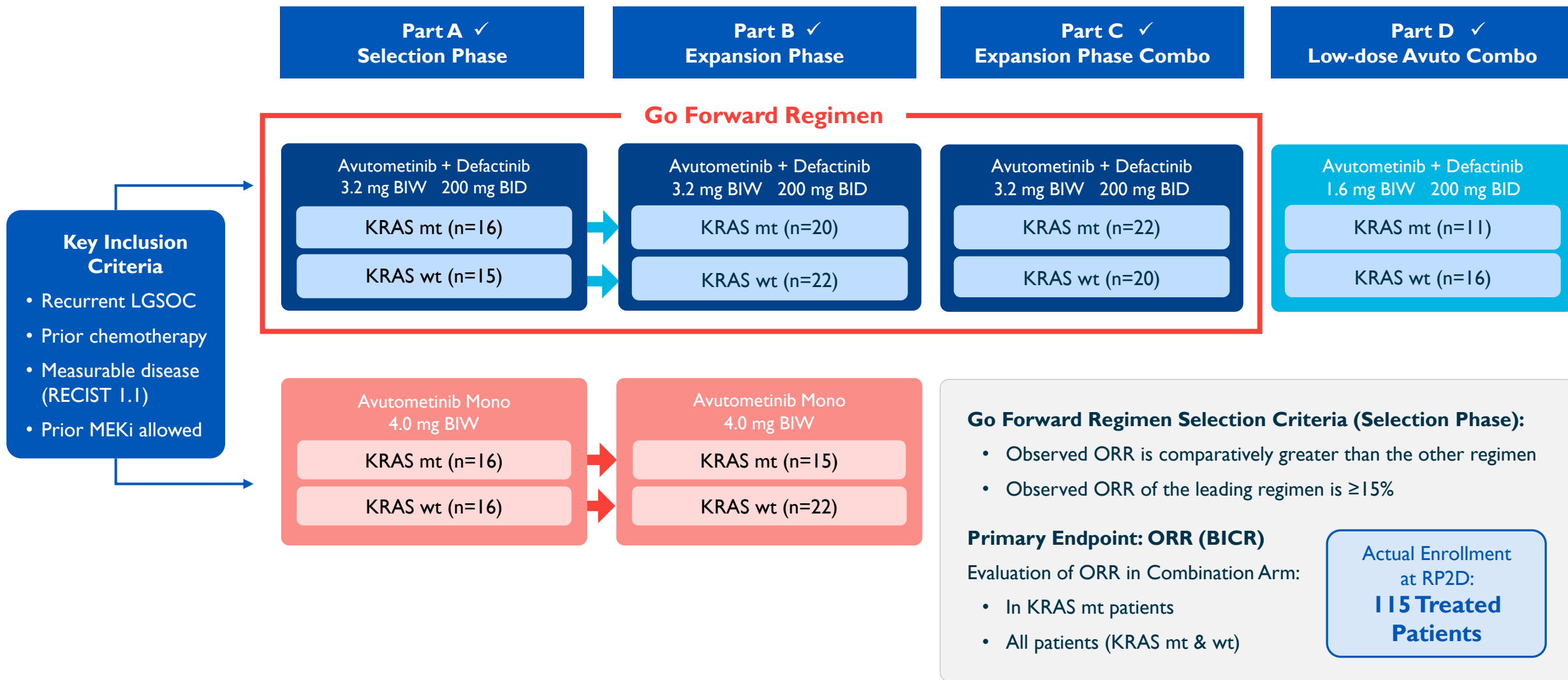


*“When you get told that you have a recurrence, the mental load is a lot. You’re thinking, okay, what did I have to do for treatment the first time? Now I have to repeat that. And will there even be something available for me to take for a second, or a third recurrence?”*

- Amanda, real patient living with recurrent LGSOC  
Diagnosed at 26 with LGSOC

# RAMP 201: Registration-Directed Phase 2 Trial of Avutometinib ± Defactinib in Patients with Recurrent LGSOC

RAMP 201 (ENGOT-ov60/GOG-3052)



# Avutometinib + Defactinib Demonstrate Durable Results in Efficacy Measures & Low Discontinuation Rates Due to AEs, Regardless of KRAS Status

Primary analysis of entire RAMP 201 dataset supports go-forward regimen as optimal dose

## Avutometinib (3.2 mg BIW) + Defactinib (200 mg BID) Regimen Parts A+B+C

**ORR: 31% overall**

44% in KRAS mt  
17% in KRAS wt

**DOR at 6 months: 81% overall**

87% in KRAS mt  
63% in KRAS wt

**Median PFS: 12.9 months overall**

22.0 months in KRAS mt  
12.8 months in KRAS wt

- Patients with more prior regimens (>3) including prior bevacizumab and MEK-only therapy had lower response rates
- The combination was well tolerated allowing for prolonged exposure to therapy
- 10% discontinued due to adverse events

### Monotherapy: Avutometinib (4.0 BIW) Part A+B

- Protocol evaluated avutometinib 4 mg monotherapy vs avutometinib 3.2 mg + defactinib combination
- ORR: 17% overall
  - 23% in KRAS mt and 13% in KRAS wt
- Go-Forward Regimen demonstrated higher ORR
- TEAEs leading to D/C was 16%

### Low-Dose: Avutometinib (1.6 mg BIW) + Defactinib (200 mg BID) Part D

- Disease progression by 4 months 22% in Low-Dose Part D
  - Disease progression by 4 months 12% with Go-Forward Regimen
- TEAEs leading to discontinuation: 15%
  - Not lower than Go-Forward Regimen

The combination of Avutometinib and Defactinib is an investigational drug. It has not been proven to be safe or effective and has not been approved by FDA or any other comparable regulatory authority.

Source for all data: RAMP 201 data cut off as of June 30, 2024; DOR: Duration of Response; TEAEs: treatment-emergent adverse events; AEs: adverse events

# RAMP 201 Enrolled Heavily Pre-treated Patients with a Median of 3 Prior Systemic Regimens

- Most patients received prior platinum-based chemotherapy and endocrine therapy
- 51% of all patients received prior bevacizumab and about 1 in 5 received prior MEK-only inhibitor therapy

RAMP 201: Parts A+B+C Baseline Patient Characteristics	Avutometinib + Defactinib Regimen 3.2 mg BIW + 200 mg BID 3 weeks on / 1 week off*		
	All patients N=115	KRAS mt N=58	KRAS wt N=57
Age (years), Median (min, max)	54 (21, 87)	60 (29, 87)	45 (21, 80)
ECOG PS, n (%)			
0	78 (68)	42 (72)	36 (63)
1	37 (32)	16 (28)	21 (37)
<b>Median number of prior systemic regimens (min, max)</b>	<b>3 (1, 9)</b>	<b>3 (1, 9)</b>	<b>3 (1, 9)</b>
<b>Prior platinum-based chemotherapy, n (%)*</b>	<b>114 (99)</b>	<b>58 (100)</b>	<b>56 (98)</b>
<b>Prior Hormonal therapy, n (%)</b>	<b>99 (86)</b>	<b>49 (84)</b>	<b>50 (88)</b>
<b>Prior Bevacizumab, n (%)</b>	<b>59 (51)</b>	<b>23 (40)</b>	<b>36 (63)</b>
<b>Prior MEK inhibitor therapy, n (%)</b>	<b>25 (22)</b>	<b>12 (21)</b>	<b>13 (23)</b>

In the avutometinib + defactinib group: 77% of patients were White; 4% Asian; 4% Black or African American; 4% other; 11% not reported

# Mature Data from RAMP 201 Continues to Show Robust Responses

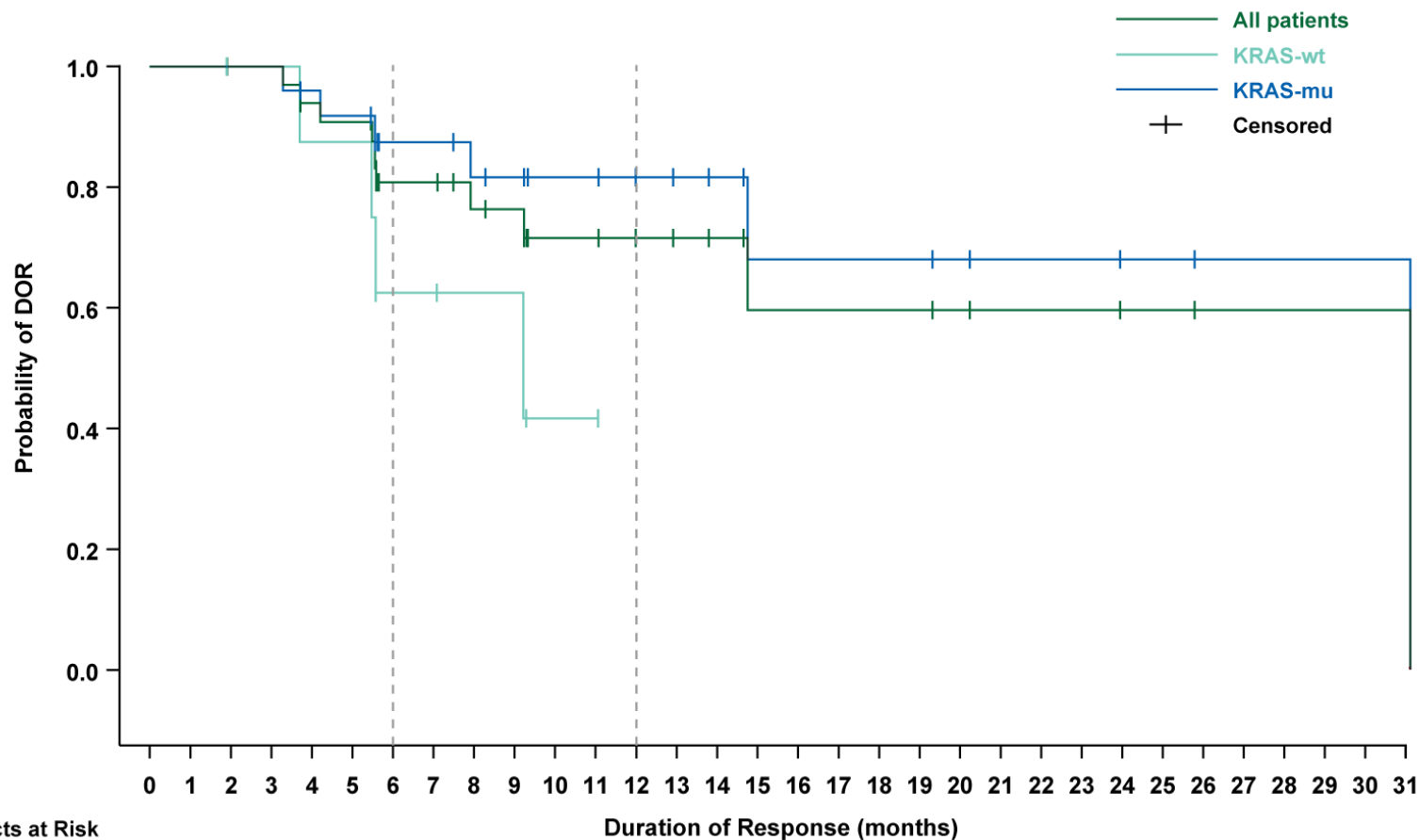
- Overall: **31% ORR** in all evaluable patients
  - **44% ORR in KRAS mt** and **17% ORR in KRAS wt**

Response Rate: Parts A, B, and C	Avutometinib + Defactinib Regimen 3.2 mg BIW + 200 mg BID 3 weeks on / 1 week off		
	All patients N=109	KRAS mt N=57	KRAS wt N=52
<b>Confirmed* ORR, n (%)</b>	<b>34 (31)</b>	<b>25 (44)</b>	<b>9 (17)</b>
CR	2 (2)	2 (4)	0
PR	32 (29)	23 (40)	9 (17)
SD <sup>†</sup> , n (%)	62 (57)	28 (49)	34 (65)
PD, n (%)	9 (8)	2 (4)	7 (13)
Not Evaluable, n (%)	4 (4)	2 (4)	2 (4)

Efficacy evaluable population includes patients who received at least one dose of study drug and had measurable disease at baseline by BICR. Patients not evaluable for response did not have a postbaseline assessment but are included in the denominator for the efficacy evaluable population.

# 81% of Patients Achieved a Duration of Response of at Least 6 Months

## Avutometinib + Defactinib Regimen: Duration of Response



No of Subjects at Risk

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
All patients	34	34	33	33	30	29	20	20	17	16	12	12	9	8	7	5	5	5	5	5	5	4	3	3	3	2	2	1	1	1	1	1	1
KRAS-wt	9	9	8	8	7	7	4	4	3	3	1	1	0																				
KRAS-mu	25	25	25	25	23	22	16	16	14	13	11	11	9	8	7	5	5	5	5	5	5	4	3	3	3	2	2	1	1	1	1	1	1

**3.7 MONTHS**

Median time to response  
(range, 1.7-19.2)

**87%**

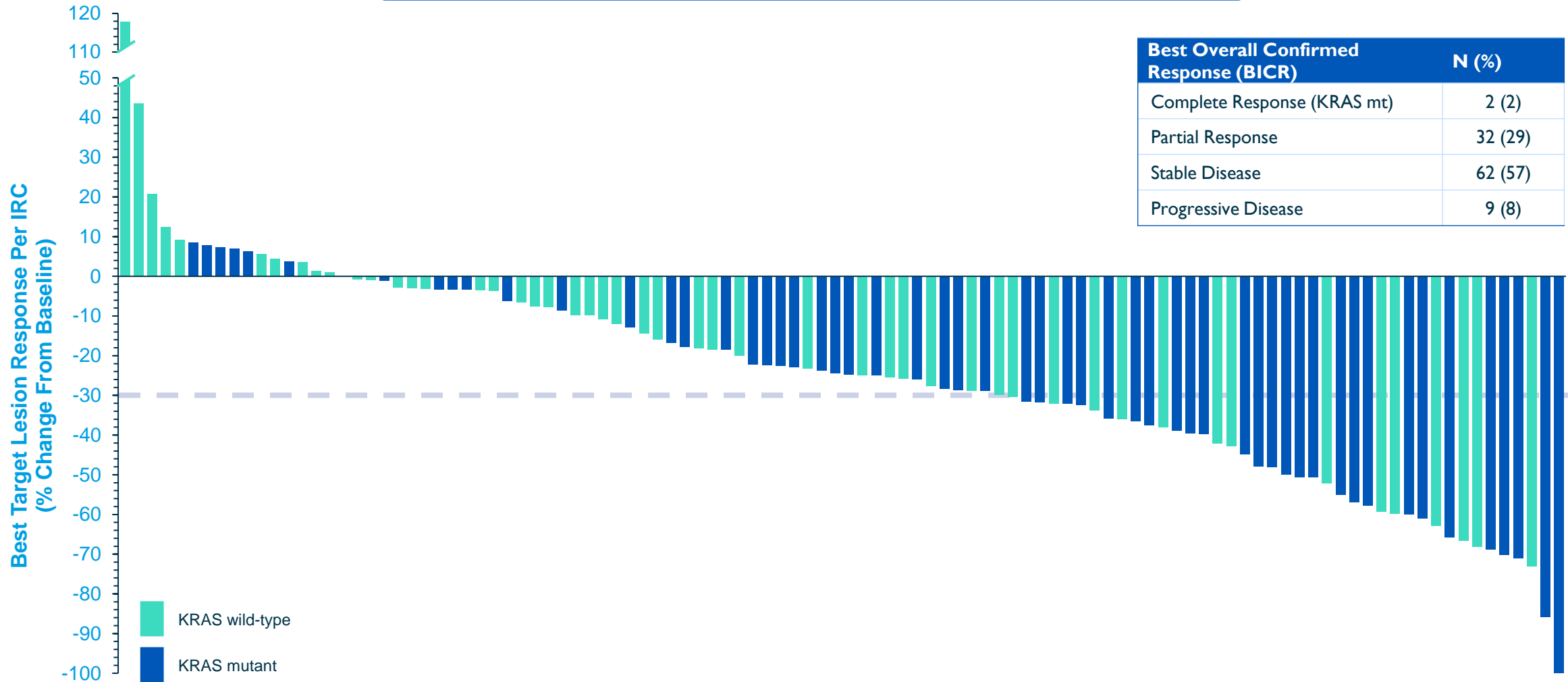
DOR for KRAS mt and  
63% for KRAS wt at 6 months

### Avutometinib + Defactinib 3.2 mg BIW + 200 mg BID 3 weeks on / 1 week off

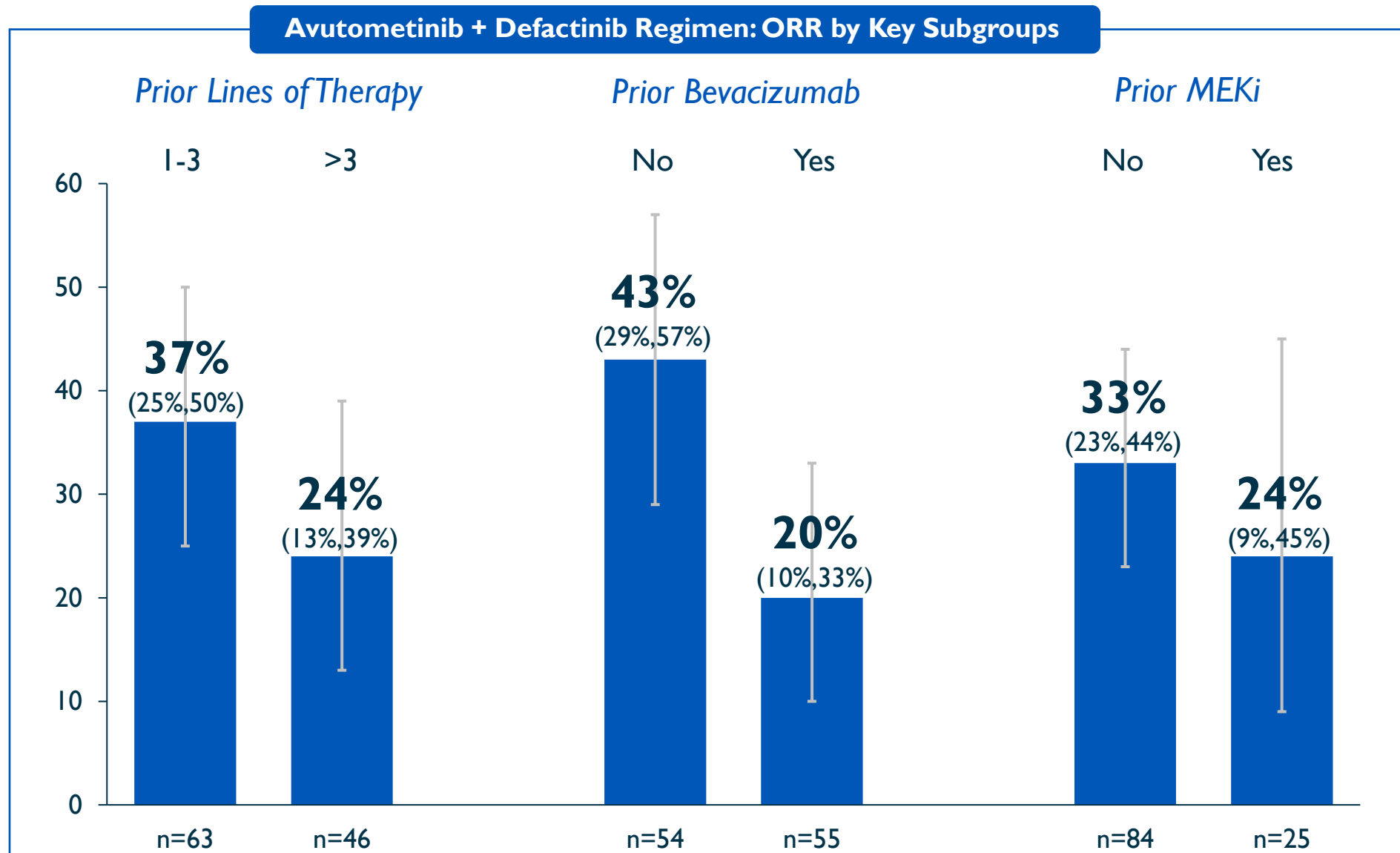
	All Patients N=34	KRAS mt N=25	KRAS wt N=9
DOR (mo), median (range)	31.1 (14.8, 31.1)	31.1 (14.8, 31.1)	9.2 (5.5, NE)
DOR ≥ 6 mo* (95% CI)	81% (62%, 91%)	87% (66%, 96%)	63% (23%, 86%)
DOR ≥ 12 mo* (95% CI)	72% (54%, 89%)	82% (65%, 98%)	NE

# 82% of All Patients Had a Reduction in Target Lesions, Regardless of KRAS Status

## Avutometinib + Defactinib Regimen: Best Overall Response



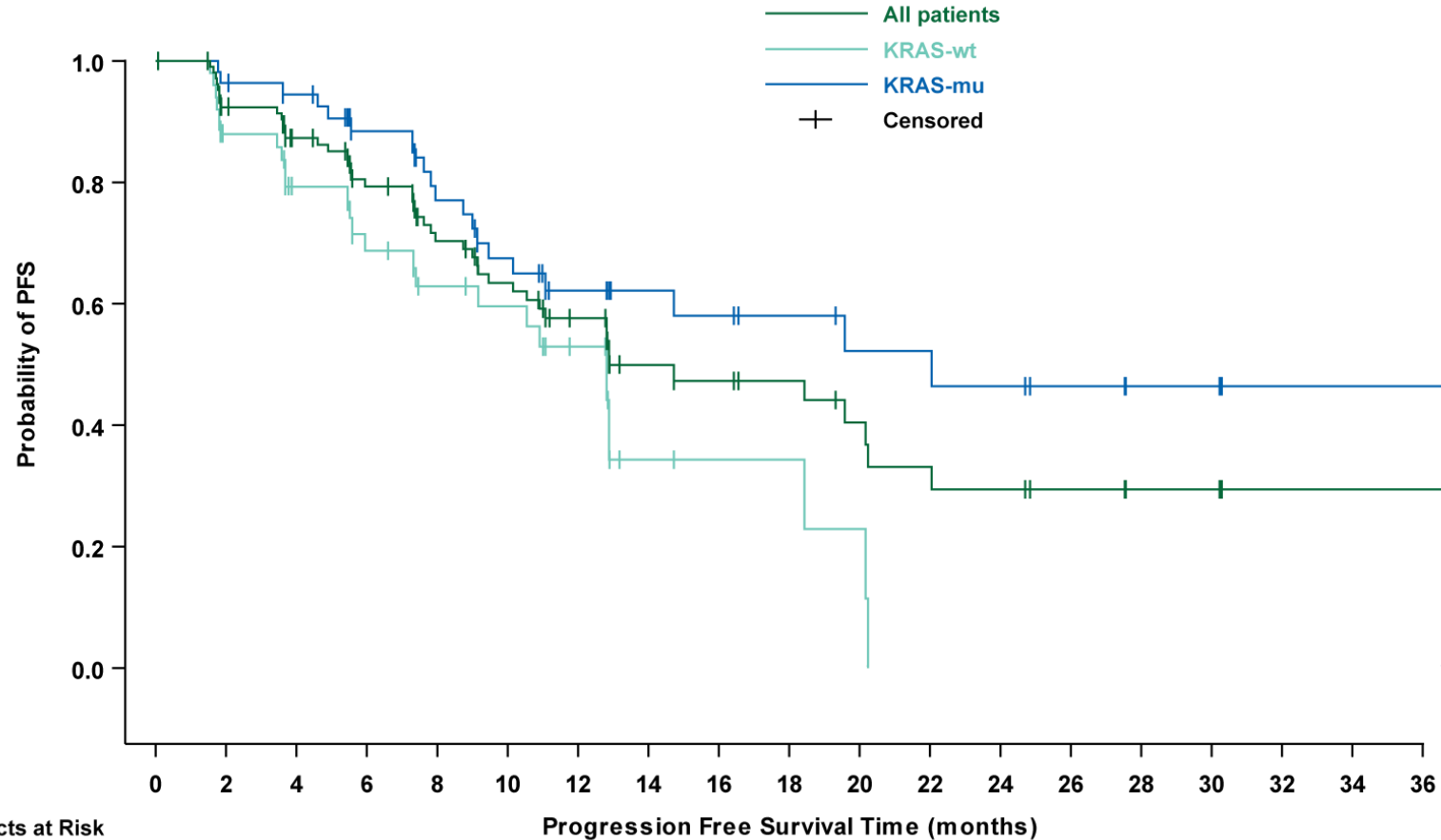
# Receiving Avutometinib and Defactinib Earlier in the Course of Therapy was Associated with Higher Rates of Response





# Patients Achieved an Overall mPFS of 12.9 Months

## Avutometinib + Defactinib Regimen: Progression Free Survival (PFS)



No of Subjects at Risk

	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
All patients	109	94	81	66	53	45	32	19	17	15	11	9	8	6	3	3	1	1	1
KRAS-wt	52	41	32	25	20	18	13	4	3	3	2	0							
KRAS-mu	57	53	49	41	33	27	19	15	14	12	9	9	8	6	3	3	1	1	1

### At 6 Months

**79% OVERALL**

88% in KRAS mt and  
69% in KRAS wt

### At 12 Months

**58% OVERALL**

62% in KRAS mt and  
53% in KRAS wt

### PFS, median (95% CI)

Total N=109	KRAS mt N=57	KRAS wt N=52
12.9 mos (10.9, 20.2)	22 mos (11.1, 36.6)	12.8 mos (7.4, 18.4)

# Low Discontinuation Rate of 10% Due to Adverse Events, No New Safety Signals

	Avutometinib + Defactinib Regimen 3.2 mg BIW + 200 mg BID 3 weeks on / 1 week off		
	All patients	KRAS mt	KRAS wt
Patients Treated	115	58	57
Patients on Treatment, n (%)	32 (28)	24 (41)	8 (14)
Patients Discontinued Treatment, n (%)	83 (72)	34 (59)	49 (86)
Primary Reason for Discontinuation			
RECIST v1.1 Disease Progression	46 (40)	18 (31)	28 (49)
Adverse Event/Unacceptable Toxicity	12 (10)	4 (7)	8 (14)
Withdrawal of Informed Consent	10 (9)	4 (7)	6 (11)
Other*	10 (9)	5 (9)	5 (9)
Clinical Deterioration	5 (4)	3 (5)	2 (4)
Death	0	0	0

Median follow-up = 13.6 mo (range, 1.4 – 39.5)

# Avutometinib Plus Defactinib Continue to Demonstrate a Well-Tolerated Safety Profile

Treatment-Related Adverse Events (>20% of patients)* n (%)	Avutometinib + Defactinib Regimen 3.2 mg BIW + 200 mg BID 3 weeks on/1 week off N= 115	
Preferred term	All Grades	Grade ≥3
<b>Non-laboratory AEs</b>		
Nausea	77 (67.0)	3 (2.6)
Diarrhea	67 (58.3)	9 (7.8)
Oedema peripheral	61 (53.0)	1 (0.9)
Fatigue	50 (43.5)	3 (2.6)
Vomiting	49 (42.6)	3 (2.6)
Vision blurred	47 (40.9)	0
Rash	41 (35.7)	2 (1.7)
Dermatitis acneiform	39 (33.9)	5 (4.3)
Dry skin	30 (26.1)	0
Anemia	26 (22.6)	6 (5.2)
<b>Laboratory-related AEs</b>		
Increased blood CPK	69 (60.0)	28 (24.3)
Increased blood bilirubin increased/ hyperbilirubinemia	38 (33.0)	5 (4.3)
AST increased	36 (31.3)	2 (1.7)

Severe adverse events are generally uncommon and typically managed by a treatment pause

10% (12/115) discontinued for AEs (any cause); most common increased CPK (n=4)

80% (92/115) had AEs leading to dose interruption

- 38% (44/115) for elevations in CPK

36.5% (42/115) had AEs leading to dose reduction

- Mean relative dose intensity of 0.84 for avutometinib and 0.77 for defactinib

7% (8/115) of patients had serious AEs considered by the investigator to be related to study treatment: the only event occurring in more than 1 patient was abdominal pain

4 deaths (within 30 days of discontinuation) but were not considered related to the study treatment:

- GI hemorrhage, large intestine perforation, clinical progression, clinical deterioration

# RAMP 301: First Randomized Prospective Study to Fully Characterize KRAS Status of all Enrolled LGSOC Patients

## RAMP 301: Phase 3 International Confirmatory Trial

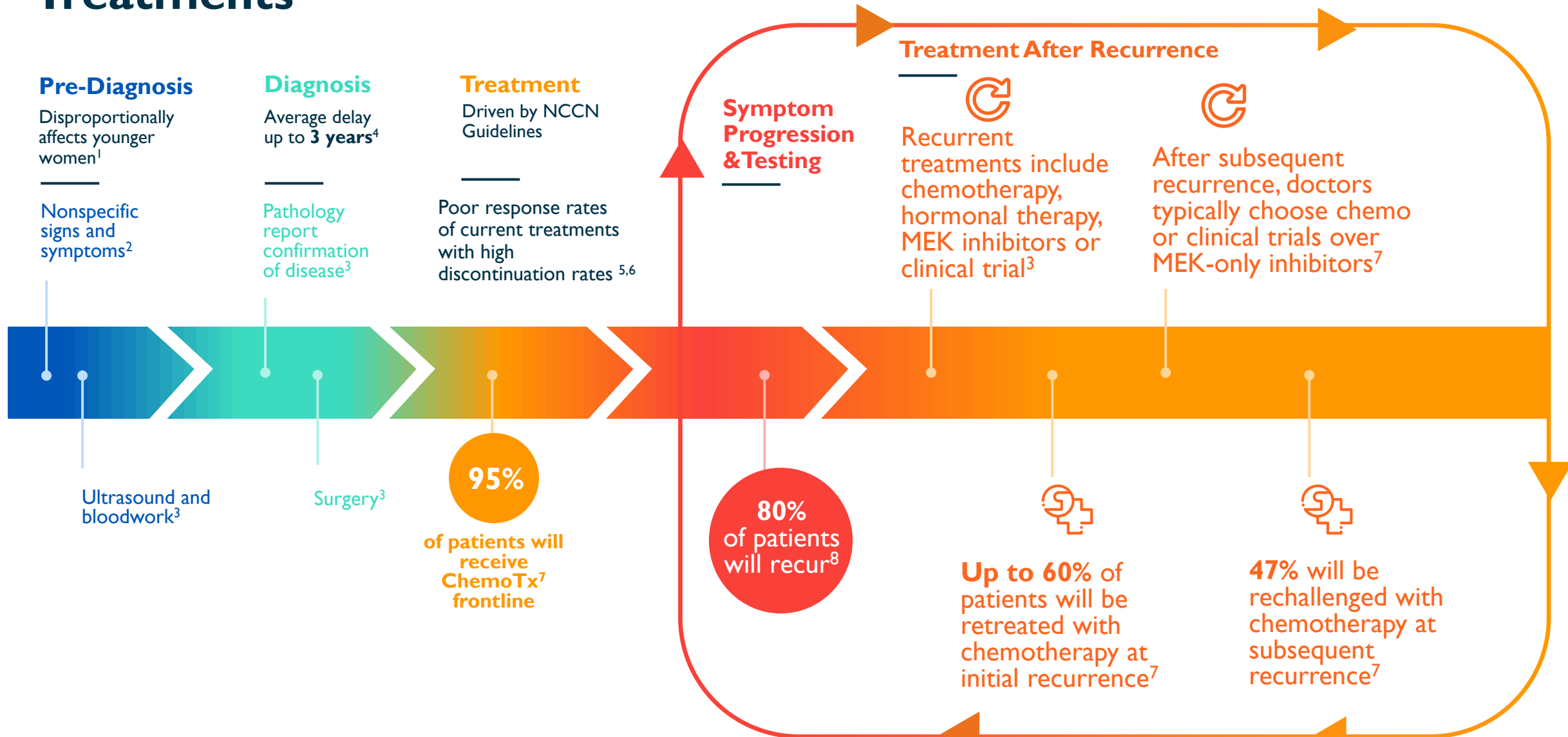
- Patients enrolling are similar to patient population in RAMP 201, with recurrent KRAS mt and KRAS wt LGSOC; prior MEKi and bevacizumab use allowed and post one line of platinum chemotherapy
  - Primary Endpoint: PFS by BICR
- Stratification Factors: KRAS mutation status (wt vs. mt)
- Investigator choice of treatment
  - May crossover to avutometinib + defactinib arm upon BICR-confirmed PD
- Study sites include the U.S., Australia, UK, Canada, and Europe

**Enrollment is on track, targeting full enrollment by end of 2025**

# Changing the Treatment Paradigm in Recurrent LGSOC



# 80% of Patients with LGSOC Recur and Often Cycle Through Treatments



# Current Available Therapies Offer Relatively Poor Response Rates, High Discontinuation Rates

- These studies started in 2013 and 2014
- Both MILO and GOG studies had low historical use of bevacizumab during trial conduct; % not reported
- Mutation category is KRAS/BRAF/NRAS rather than just KRAS for GOG 281
  - In both studies, not all patients had mutation status available
- In the MILO study no more than 3 lines of prior chemotherapy
- No prior MEK inhibitors were allowed in either GOG 281 or MILO
- The number of prior systemic therapies median (range) were 2 (1-10) in GOG 281 and 2 (1-8) in MILO

Trial	Therapy	Image assessment	Response Rate ORR	ORR KRAS mt	ORR KRAS wt	Median PFS Months (95% CI)	mPFS KRAS mt	mPFS KRAS wt	Discontinuation Rate due to AEs
GOG 281 <sup>1</sup>	<b>SoC</b> (n=130) (n=22 KRAS/NRAS/ BRAF mt; n=42 KRAS/NRAS/ BRAF wt)	INV	<b>6%</b> 95% CI: (3%, 12%)	<b>9.1%,</b> 95% CI: (1.9%, 26.1%)	<b>7.1%,</b> 95% CI: (2.1%, 17.9%)	<b>7.2</b> (5.6-9.9)	<b>11.4</b> 95% CI: (3.7, 13.3)	<b>6.3</b> 95% CI: (3.7, 9.9)	<b>30%</b>
	<b>Trametinib</b> (n=130) (n=22 KRAS/NRAS/ BRAF mt; n=42 KRAS/NRAS/ BRAF wt)	INV	<b>26%</b> 95% CI: (19%, 35%)	<b>50%,</b> 95% CI: (30.2%, 69.8%)	<b>8.3%,</b> 95% CI: (2.9%, 18.6%)	<b>13.0</b> (9.9-15.0)	<b>13.2</b> 95% CI: (9.4, 20.8)	<b>7.3</b> 95% CI: (5.6, 12.7)	<b>36%</b>
MILO <sup>2</sup>	<b>SoC</b> (n=101) (n=24 KRAS mt; n=42 KRAS wt)	BICR	<b>13%</b> 95% CI: (7%, 21%)	<b>33%,</b> 95% CI: (16%, 55%)	<b>19%</b> (8.6%, 34%)	<b>10.6</b> (9.2 - 14.5)	<b>14.6</b> (9.4, NA)	<b>11.5</b> (5.7, 26.6)	<b>17%</b>
	<b>Binimetinib<sup>2</sup></b> (n=198) (n=45 KRAS mt; n=90 KRAS wt)	BICR	<b>16%</b> 95% CI: (11%, 22%)	<b>44%,</b> 95% CI: (30%, 60%)	<b>19%,</b> 95% CI: (11%, 29%)	<b>9.1</b> (7.3-11.3)	<b>17.7</b> (12, NR)	<b>10.8</b> (5.5, 16.7)	<b>31%</b>

# Avutometinib + Defactinib Combo Has the Potential to Address Key Treatment Needs

To date, avutometinib + defactinib combination data in recurrent LGSOC show<sup>1</sup>:



Clinically meaningful response rates and durable benefit in both KRAS mutant and wild-type tumors



Long progression-free survival and duration of treatment



Favorable tolerability profile, supported by novel intermittent dosing schedule, with oral treatments<sup>2</sup>



Low discontinuation rates due to adverse events



# LGSOC Represents a Significant Market Opportunity

Total Addressable Market Opportunity	KRAS mutant – Initial Launch	KRAS wild-type
Estimated Annual <b>Incident</b> Addressable Opportunity <sup>1</sup>	<b>\$300M+</b>	<b>\$374M+</b>
Incident Population <sup>2</sup>	~500	~1,000
Avg. Duration of Therapy <sup>3</sup>	18 months	11 months
Estimated <b>Prevalent</b> Addressable Opportunity <sup>1</sup> (Target to Address in First 3-5 Years)	<b>\$1.7B+</b>	<b>\$1.6B+</b>
Prevalent Population <sup>2</sup>	~2,800	~4,200
Avg. Duration of Therapy <sup>3</sup>	18 months	11 months

**Anticipate high market penetration in LGSOC KRAS mt population given:**

- No FDA approved therapies for LGSOC





**Plan to address prevalent population over 3-5 years from launch:**

- Patients cycle through therapies
  - Median of 3 prior therapies in RAMP 201
- Long overall survival in LGSOC patients at ~10 years
  - KRAS mt – ~12 years
  - KRAS wt – ~7 years

1. Estimated total addressable market opportunity based on incident / prevalent populations, average duration of therapy (as observed in VSTM clinical trials) and cost of therapy of \$34,000 per month, consistent with other recent oncology drug launches (e.g. OJEMDA - \$33,916 OGSIVEO - \$29,000; [www.dayonebio.com/wp-content/uploads/Ojemda-Connecticut\\_VF.pdf](http://www.dayonebio.com/wp-content/uploads/Ojemda-Connecticut_VF.pdf); [www.hhs.texas.gov/sites/default/files/documents/apr-2024-durb-agenda-item8d.pdf](http://www.hhs.texas.gov/sites/default/files/documents/apr-2024-durb-agenda-item8d.pdf)) 2. Verastem DOF – Based on 30% KRAS mt and 70% KRAS wt in incident population assumed of 1,500 annually and 40% KRAS mt and 60% KRAS wt (calculation on file based on weighted average longer overall survival in KRAS mt compared to KRAS wt) initial prevalent population of 7,000; 3. RAMP 201 data cutoff as of June 30, 2024

# Current Treatments on NCCN Guidelines

- Plan to submit RAMP 20I, inclusive of entire patient population, for publication and NCCN consideration
- There are no FDA-approved treatments and no standard sequencing of drugs for recurrent disease

	NCCN Category 1	NCCN Category 2a	NCCN Category 2b	NCCN Category 3
<b>General % Commercial Payer Coverage</b>				
<b>Recurrent LGSOC Treatment NCCN Recommendations and Contemporary Clinical Data in LGSOC</b>	No category 1 recommendation	<p><b>Hormonal therapy (e.g., Anastrozole, Letrozole) &amp; chemotherapy</b></p> <ul style="list-style-type: none"> <li>• 6-13% ORR and 17-30% discontinuation rate due to AEs</li> <li>• Based on GOG 281 and MILO studies</li> </ul> <hr/> <p><b>Trametinib</b> (2-4% U.S. utilization rate<sup>1</sup>)</p> <ul style="list-style-type: none"> <li>• 13 months PFS, 95% CI: (9.9-15.0) vs SoC</li> <li>• 26% ORR based on INV assessment of comparator arm of all patients not BICR</li> <li>• 36% discontinuation rate due to AEs</li> <li>• Based on GOG 281<sup>2</sup></li> </ul>	<p><b>Binimetinib</b></p> <ul style="list-style-type: none"> <li>• Study stopped due to futility</li> <li>• PFS 12.5 vs 11.6 (HR 0.87)</li> <li>• 16% ORR based on BICR of comparator arm and 31% discontinuation rate due to AEs</li> <li>• Based on MILO study<sup>3</sup></li> </ul>	

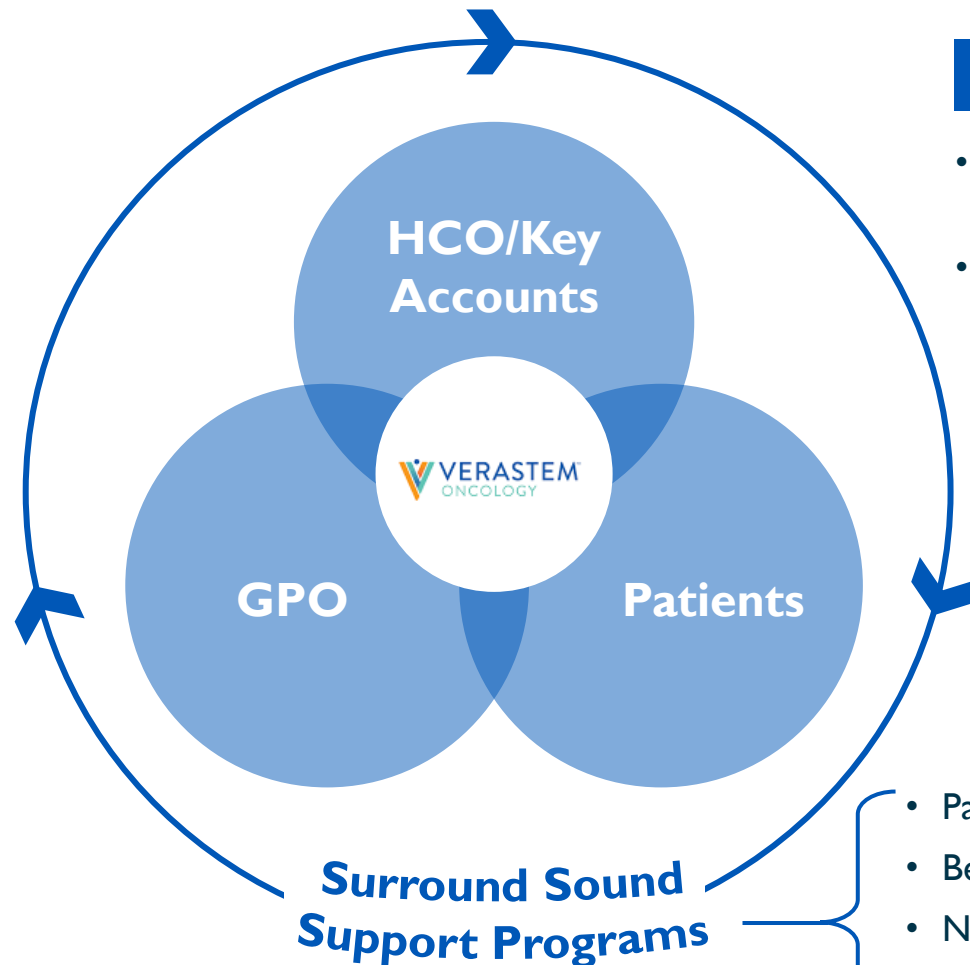
# Efficiently Scaled Launch Model to Deliver Best-in-Class Launch for Recurrent KRAS mutant LGSOC

## HCO/Key Account Focus

- Top 100 commercial HCOs contribute 49.4% of patient claims<sup>1</sup>
- ~400 HCPs manage these patients<sup>1</sup>
- Deploy lean, focused field team (14-18 reps) for access, scientific exchange, and sales

## GPO/Large Affiliated Practices

- Ensuring inclusion in all relevant pathways and EMR systems
- Access is based on group provided programs and/or opportunities



## Patient Focused

- YTD more than 2,300 patients have registered on disease education website<sup>2</sup>
- Robust program for ongoing education and resources



- Patient support and access programs
- Best-in-class multichannel marketing
- NPP pull through and reinforcement to targeted customers and white space territories
- Inside Sales Reps will bolster Field Force efforts

# Potential to Change Treat Paradigm and Improve Patient Outcomes



1k-2k incidence with a prevalence of 6k-8k; **potential for high market penetration in KRAS mutant** at launch enriching overtime with the prevalent patient population



Current available therapies offer limited efficacy, relatively high discontinuation rates due to AEs; **no FDA-approved therapies and no active promotion**



**NCCN guidelines help to drive treatment decision**; will submit entire RAMP 201 dataset for NCCN consideration

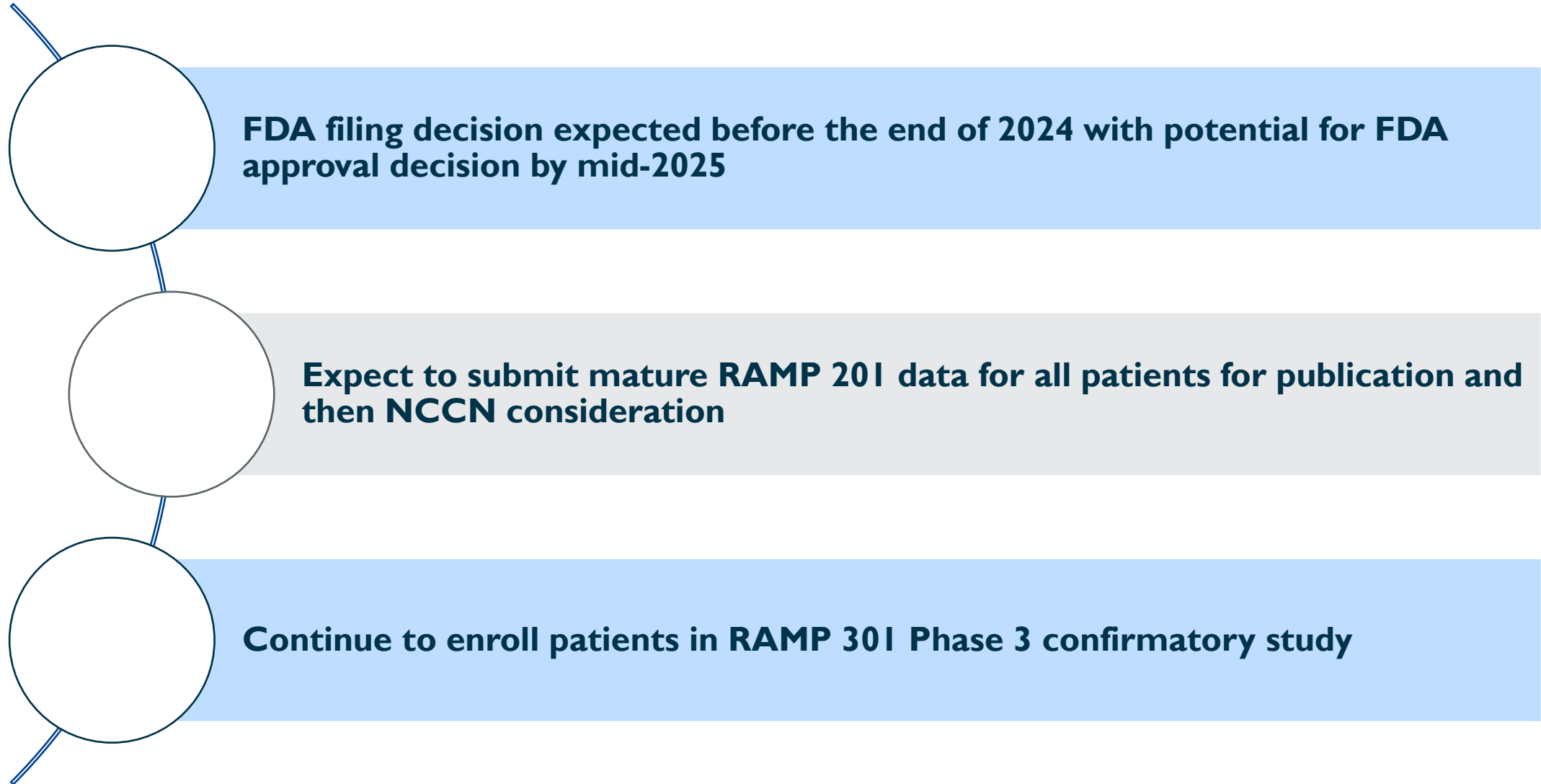


**Avutometinib in combination with defactinib is differentiated on multiple efficacy measures**, relatively low rates of discontinuation due to AEs and favorable tolerability



**Efficiently scaled launch model** to deliver best-in-class launch for recurrent KRAS mutant LGSOC

# Next Steps in LGSOC Clinical Program and NDA



Avutometinib ± Defactinib

Potential Market Expansion  
Opportunities in First-line  
Metastatic Pancreatic Cancer  
and Advanced Lung Cancer



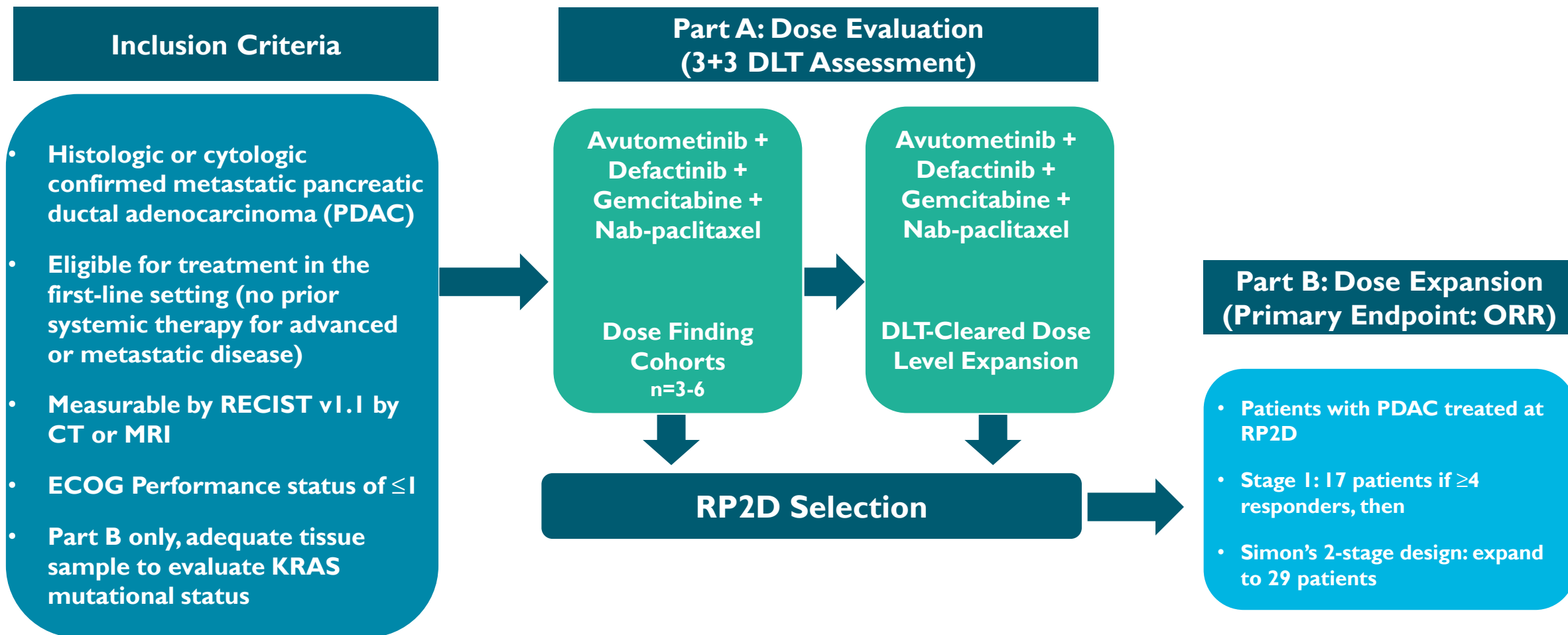
**Topline Data from RAMP 205:  
Avutometinib + Defactinib +  
SOC in First-Line Metastatic  
Pancreatic Cancer**

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# RAMP 205: Designed to Identify and Evaluate RP2D in Combination with Chemotherapy for Treatment of Newly Diagnosed mPDAC

RAMP 205: Ongoing Phase 1/2 Evaluating Avutometinib + Defactinib with Gemcitabine and Nab-paclitaxel



Collaboration with PanCAN, NCT05669482



# RAMP 205: Initial Interim Safety and Efficacy Results

- Encouraging early interim data from ongoing Phase I/2 RAMP 205 study evaluating avutometinib + defactinib + gemcitabine + Nab-paclitaxel in first-line metastatic pancreatic cancer
  - As of data cutoff of May 14, 2024, Dose Level I mature with more than 6 months follow up
    - Confirmed ORR = 83% (5/6)
    - Cohort was DLT cleared, one DLT observed (neutropenic fever)
- Evaluating additional dose/schedule combinations to optimize the dose for safety/tolerability and define RP2D for expansion cohort
- 11 top academic sites currently enrolling and highly engaged
- Presented RAMP 205 initial interim data at ASCO on June 1, 2024

Dose Level	Avuto	Defactinib	Gem	Nab-Pac
Day 1, 8, 15 chemo dosing:				
-I	2.4 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	100 mg/m <sup>2</sup>
I	2.4 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>
Day 1 and 15 chemo dosing:				
1a	3.2 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>
2a	3.2 mg BIW	200 mg BID	1000 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>

# Landmark Trials in First-Line Metastatic Pancreatic Cancer

## SOC Treatment Landscape:

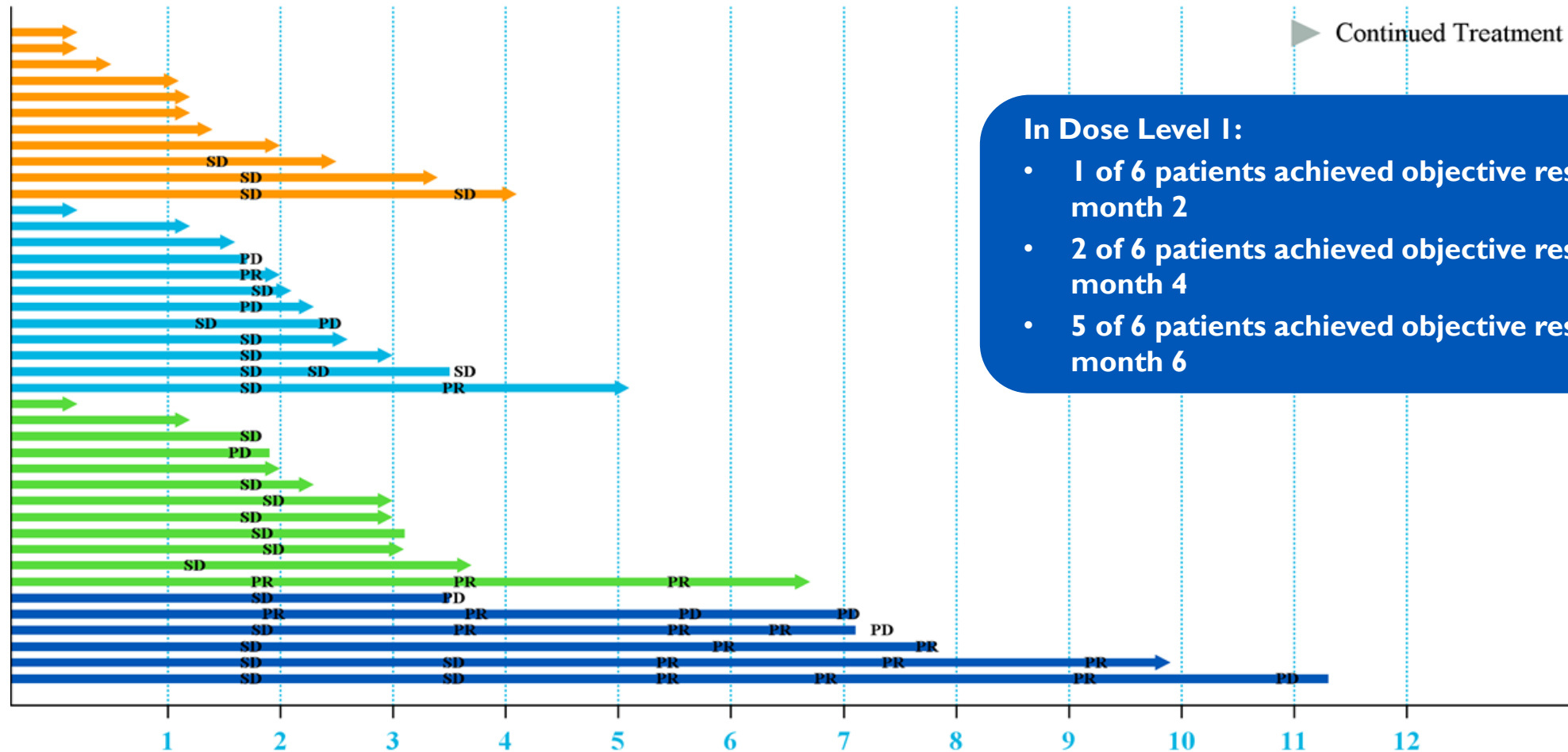
- ORR is between 23% - 36% for Gem/NabP
- Median overall survival reported between 8.5 – 9.2 months

Trial/PI/Reported (# Patients)	Intervention	Comparator	ORR by Investigator (95% CI)		mPFS (95% CI)	mOS (95% CI)
<b>MPACT</b> Von Hoff 2013 (N=861)	<b>Gem/NabP*</b> (n=431)	Gem (n=430)	<b>Gem/NabP</b>		<b>5.5</b> months (4.5-5.9)	<b>8.5</b> months (7.89-9.53)
			<b>29%</b> (25-34)	<b>23%</b> (19-17) IRR**		
<b>NAPOLI 3</b> O'Reilly 2023 (N=770)	<b>Nalirifox</b> (n=383)	<b>Gem/NabP*</b> (n=387)	<b>Gem/NabP</b>		<b>5.6</b> Months (5.3-5.8)	<b>9.2</b> months (8.3-10.6)
			<b>36.2%</b> (31.4-41.2)			
			<b>Nalirifox</b>		<b>7.4</b> months (6.0-7.7)	<b>11.1</b> months (10-12.1)
			<b>41.8%</b> (36.8-46.9)			
<b>PRODIGE</b> Conroy 2011 (N=342)	<b>Folfirinox</b> (n=171)	Gem (n=171)	<b>Folfirinox</b>		<b>6.4</b> months	<b>11.1</b> months
			<b>31.6%</b> (24.7-39.1)			

For Reference only: No cross-trial comparison made.\*Dosing schedule in Gem/NabP arms above= 1000/125(mg/m<sup>2</sup>) D1,8,15 q 4w, \*\*Secondary endpoint of ORR based on IRR (Independent Radiology Review),

# RAMP 205: Evaluating Multiple Regimens in Parallel to Efficiently Identify RP2D in First-Line mPC

Duration of Treatment for All Patients; Safety Population (n=41)



# RAMP 205: Best Percent Change in Target Lesion Sum of Diameters

Includes Patients Who Have Had At Least First Scan (n=26)



Dose Level	Avuto	Defactinib	Gem	Nab-Pac
Day 1, 8, 15 chemo dosing:				
-I	2.4 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	100 mg/m <sup>2</sup>
I	2.4 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>
Day 1 and 15 chemo dosing:				
1a	3.2 mg BIW	200 mg BID	800 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>
2a	3.2 mg BIW	200 mg BID	1000 mg/m <sup>2</sup>	125 mg/m <sup>2</sup>

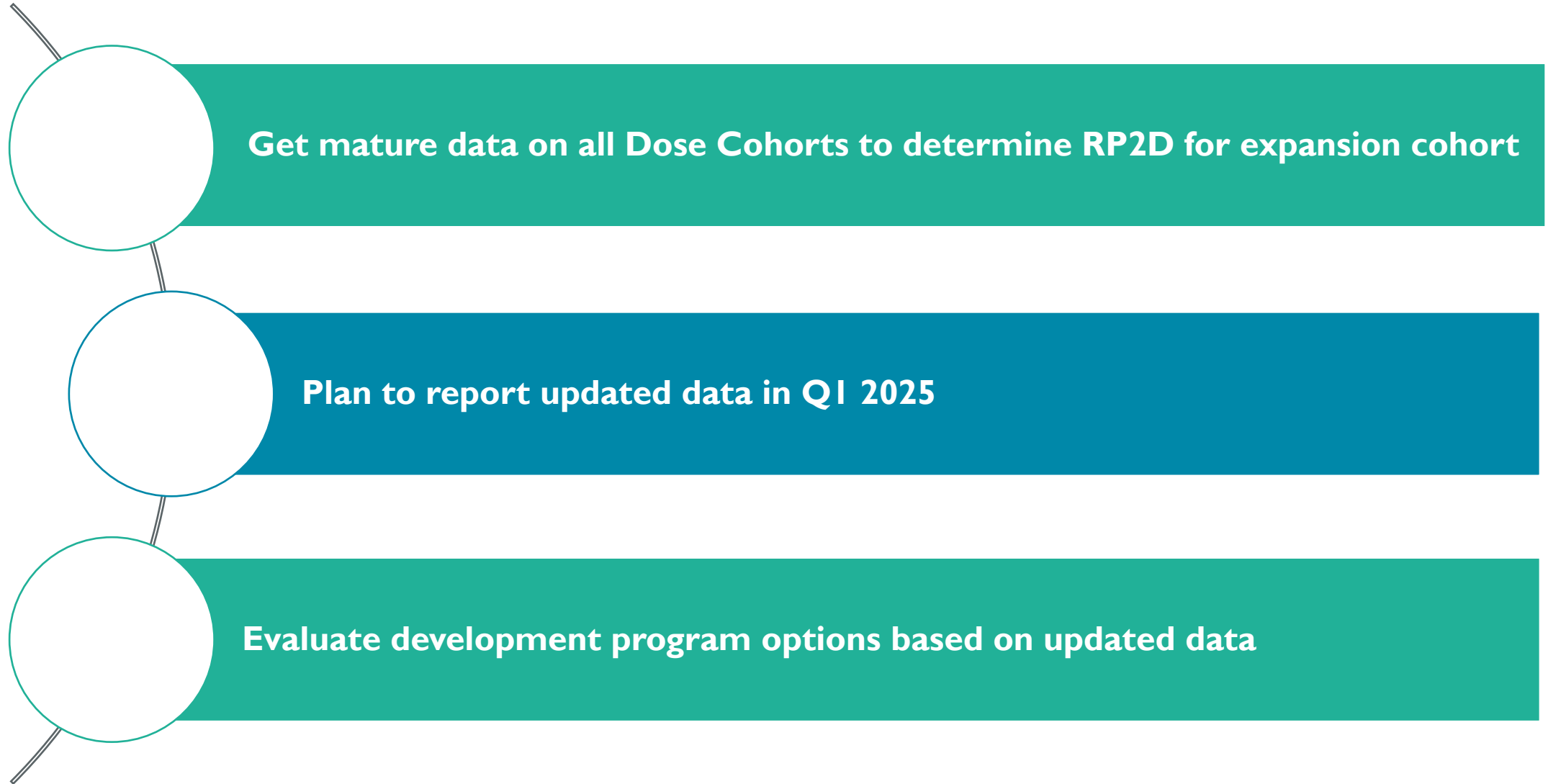
# RAMP 205:AE Profile Generally Comparable with Gem/Nab-P

- Any grade TEAEs occurring in  $\geq 20\%$  or grade  $\geq 3$  occurring in  $\geq 5\%$  of patients<sup>1</sup>


	DL-1 (n=11)		DL1 (n=6)		DL1a (n=12)		DL2a (n=12)		Total (N=41)	
	Any Grade, n (%)	Grade $\geq 3$ , n (%)	Any Grade, n (%)	Grade $\geq 3$ , n (%)	Any Grade, n (%)	Grade $\geq 3$ , n (%)	Any Grade, n (%)	Grade $\geq 3$ , n (%)	Any Grade, n (%)	Grade $\geq 3$ , n (%)
Nausea	6 (54.5)	0 (0)	5 (83.3)	0 (0)	7 (58.3)	0 (0)	6 (50.0)	0 (0)	24 (58.5)	0 (0)
Fatigue	5 (45.5)	0 (0)	5 (83.3)	0 (0)	5 (41.7)	1 (8.3)	7 (58.3)	0 (0)	22 (53.7)	1 (2.4)
Constipation	4 (36.4)	0 (0)	5 (83.3)	0 (0)	7 (58.3)	0 (0)	4 (33.3)	0 (0)	20 (48.8)	0 (0)
Diarrhoea	1 (9.1)	0 (0)	4 (66.7)	0 (0)	6 (50.0)	0 (0)	6 (50.0)	0 (0)	17 (41.5)	0 (0)
Alopecia	3 (27.3)	0 (0)	6 (100.0)	0 (0)	3 (25.0)	0 (0)	2 (16.7)	0 (0)	14 (34.1)	0 (0)
Neutrophil count decreased	2 (18.2)	2 (18.2)	4 (66.7)	4 (66.7)	4 (33.3)	3 (25.0)	3 (25)	2 (16.7)	13 (31.7)	11 (26.8)
Rash maculo-papular	4 (36.4)	0 (0)	5 (83.3)	0 (0)	3 (25.0)	0 (0)	1 (8.3)	0 (0)	13 (31.7)	0 (0)
Vomiting	3 (27.3)	0 (0)	4 (66.7)	0 (0)	4 (33.3)	1 (8.3)	2 (16.7)	0 (0)	13 (31.7)	1 (2.4)
Anaemia	2 (18.2)	1 (9.1)	2 (33.3)	2 (33.3)	2 (16.7)	2 (16.7)	3 (25.0)	1 (8.3)	9 (22.0)	6 (14.6)
Decreased appetite	2 (18.2)	0 (0)	3 (50.0)	0 (0)	3 (50.0)	0 (0)	1 (8.3)	0 (0)	9 (22.0)	0 (0)
Alanine aminotransferase increased	1 (9.1)	1 (9.1)	2 (33.3)	2 (33.3)	3 (25.0)	1 (8.3)	1 (8.3)	0 (0)	7 (17.1)	4 (9.8)

- Inclusion of avotemetinib plus defactinib may increase rates of neutropenia and rash

# Next Steps for RAMP 205



Avutometinib ± Defactinib  
with Sotorasib (G12Ci) in  
KRAS G12C mutant NSCLC

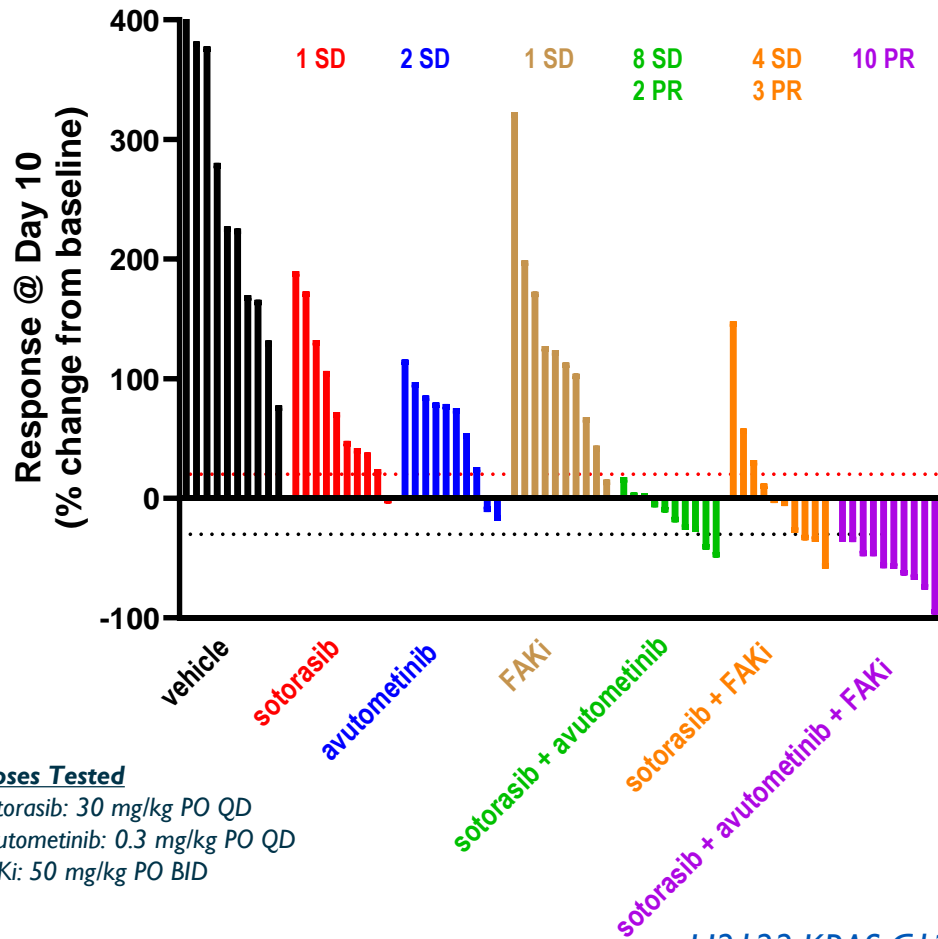


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# Addition of FAK inhibitor Augments the Efficacy of Sotorasib + Avutometinib and Reverses Sotorasib Resistance in KRAS G12C NSCLC Preclinical Models

Avutometinib enhances sotorasib efficacy. Addition of FAK inhibitor induces deep tumor regressions in all treated mice

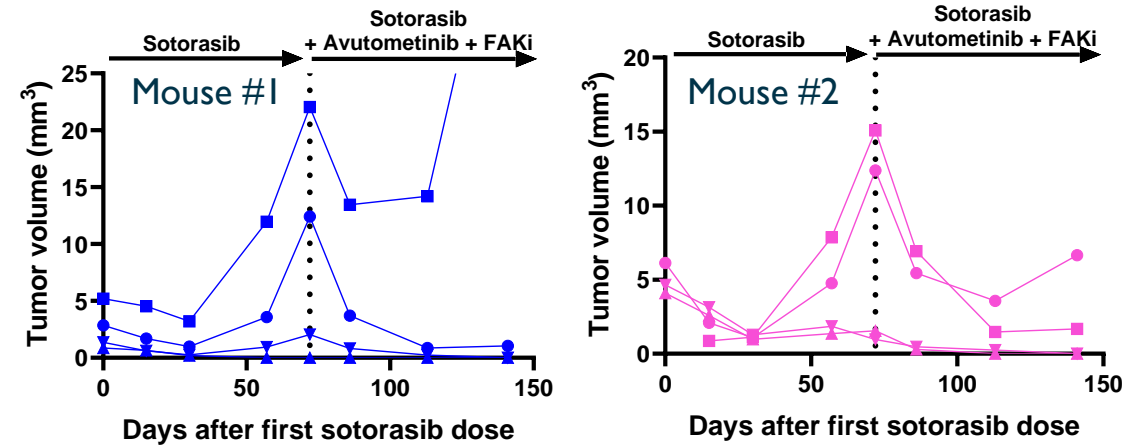
Addition of FAKi + avutometinib reverses sotorasib resistance



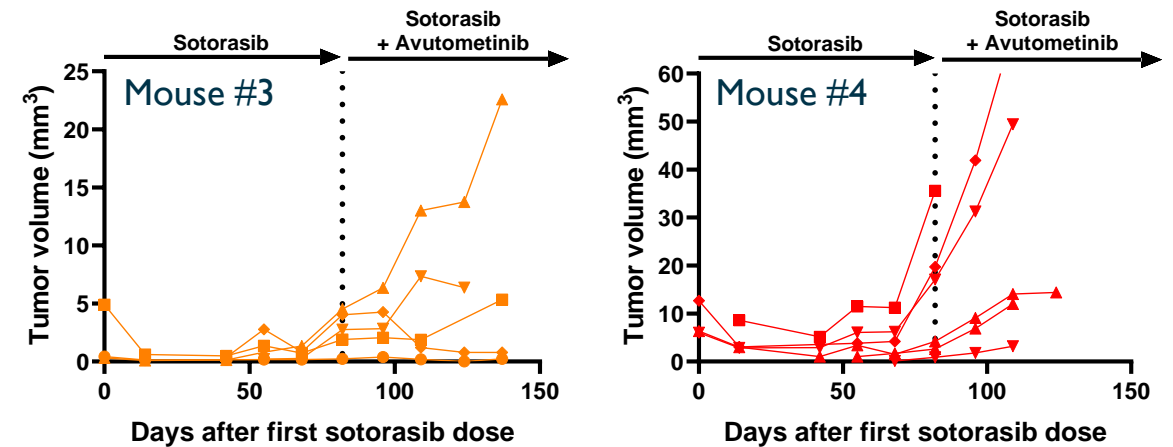
### Doses Tested

Sotorasib: 30 mg/kg PO QD  
Avutometinib: 0.3 mg/kg PO QD  
FAKi: 50 mg/kg PO BID

H2122 KRAS G12C NSCLC

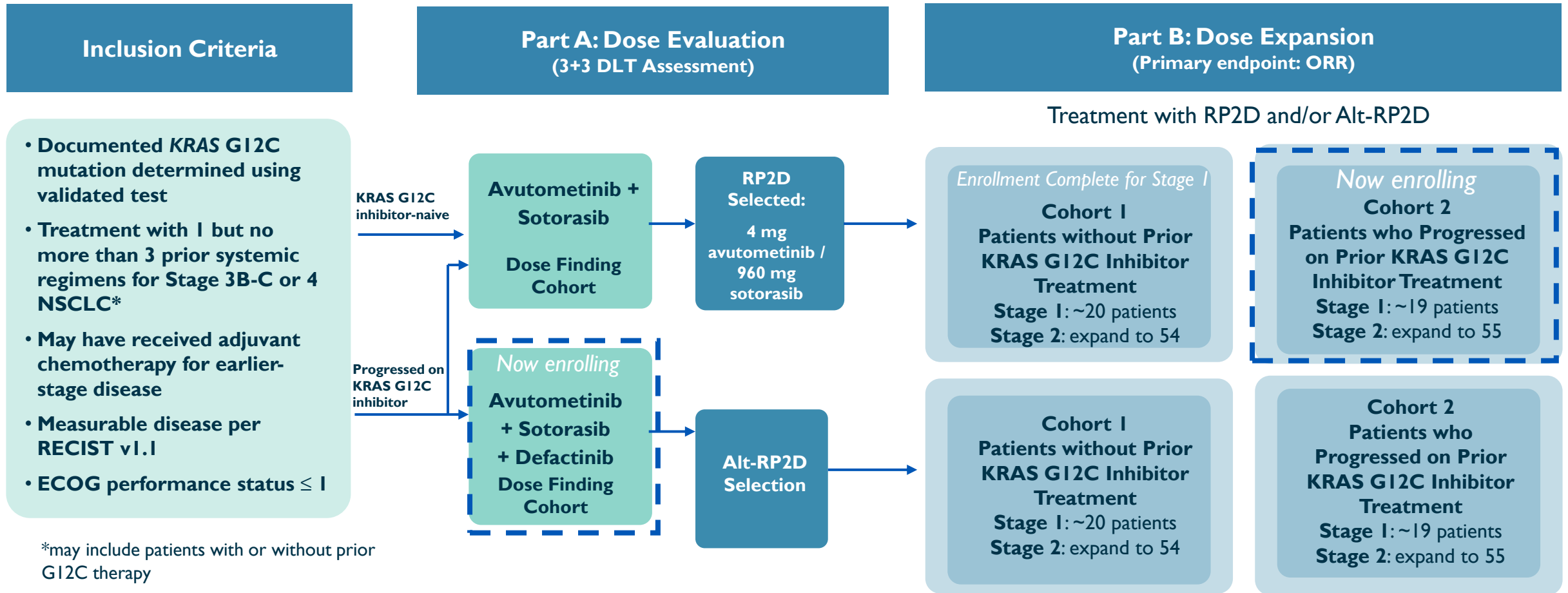


Addition of avutometinib is insufficient to reverse sotorasib resistance





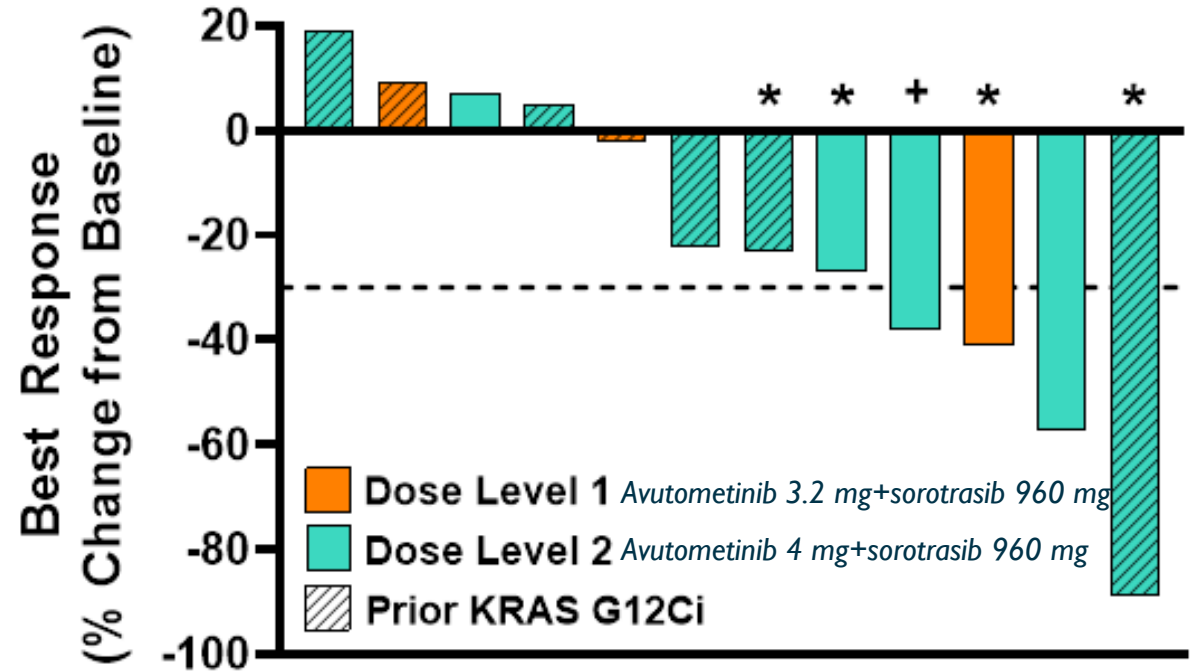
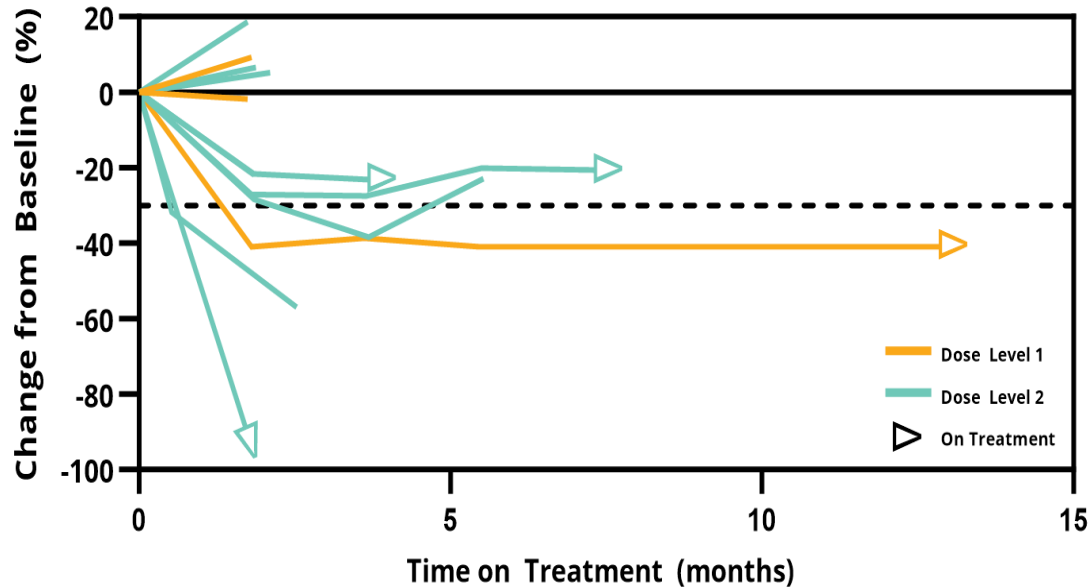
# RAMP 203: Phase I/2 Trial of Avutometinib + LUMAKRAS™ (Sotorasib) ± Defactinib in KRAS G12C Advanced NSCLC



# RAMP 203: Objective Responses in KRAS G12C NSCLC Sotorasib + Avutometinib Combination

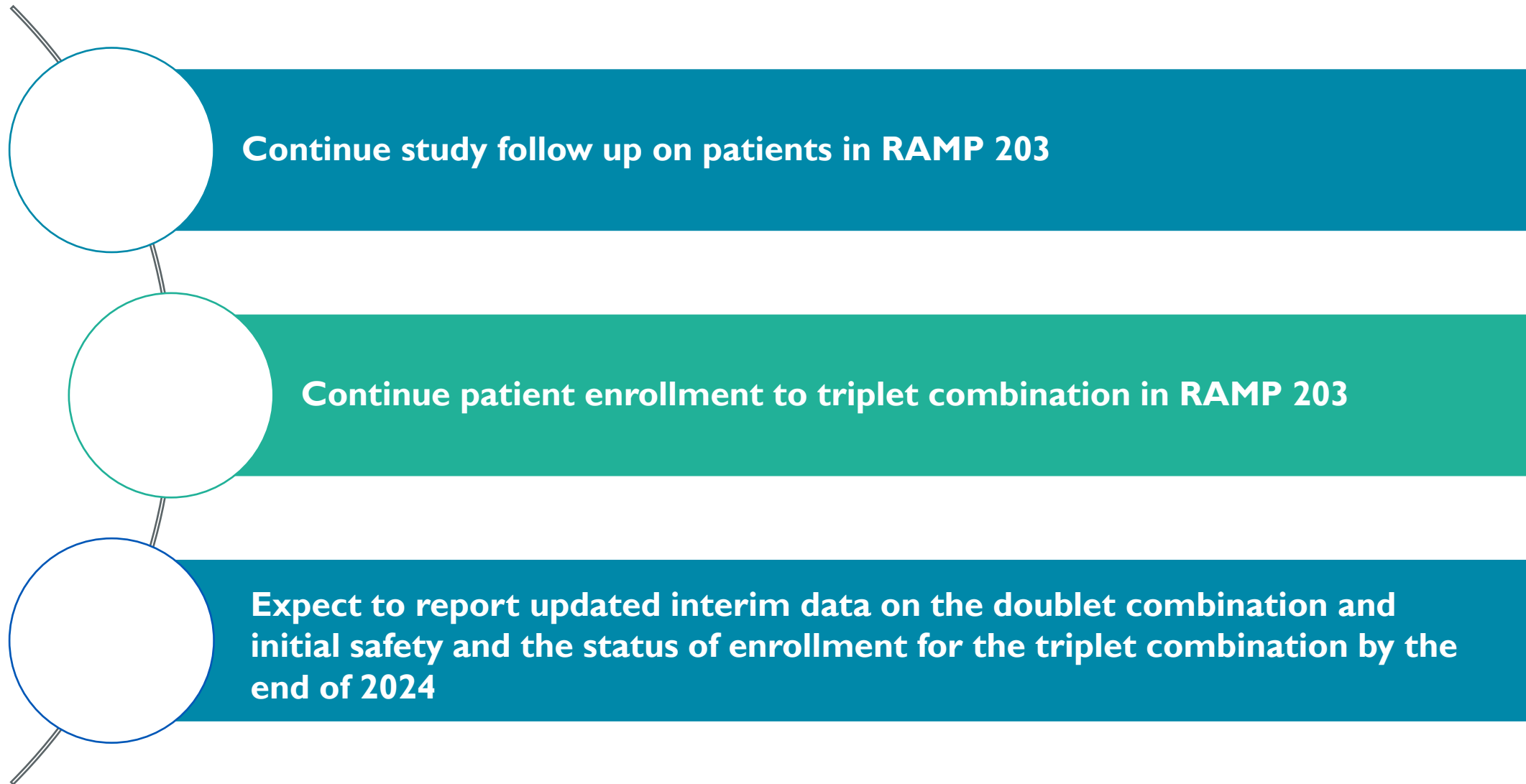
## Avutometinib + Sotorasib

Percentage Change in Target Lesion Sum with time on treatment



\*On treatment at time of data cutoff; + Patient with -38.4% tumor reduction classified as SD due to disease progression prior to confirmatory scan.

# Next Steps for RAMP 203

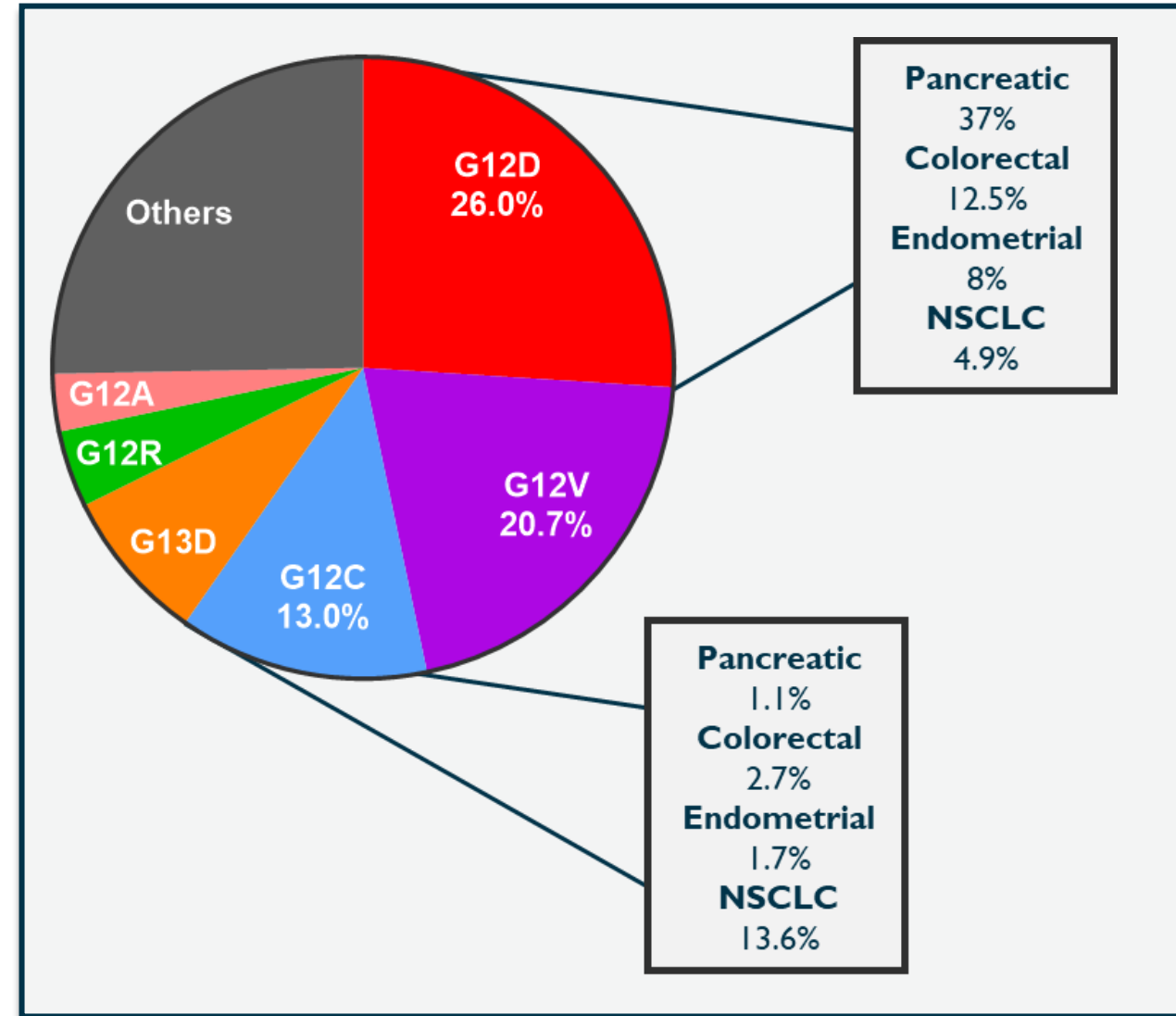


Partnership with GenFleet  
Therapeutics on Novel,  
Potential Best-in-Class RAS  
Pathway Programs



# KRAS G12D is the Most Frequent KRAS Mutation in Human Cancers

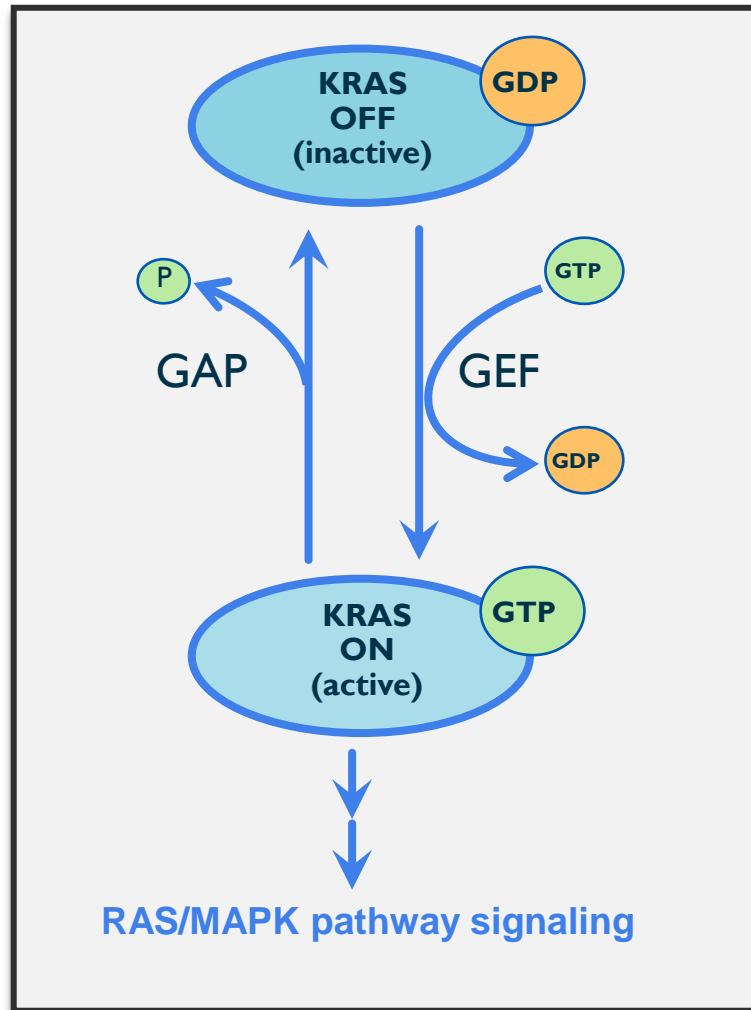
- The only approved KRAS inhibitors target KRAS G12C which is largely restricted to NSCLC
- KRAS G12D accounts for 26% of all KRAS mutations
- KRAS G12D mutations are especially prevalent in pancreatic and colorectal cancers
- Targeting KRAS G12D has historically been challenging due to the shallow pocket for drug interaction and lack of a cysteine for covalent binding



# Target Profile for a Best-in-Class KRAS G12D inhibitor

Categories	Criteria/Rationale
<b>ON/OFF Dual Inhibition</b>	Potent inhibition of both KRAS-GTP (ON) and KRAS-GDP (OFF) states for deep and durable inhibition of tumor growth
<b>Potency</b>	Inhibition of KRAS G12D signaling with sub-nanomolar potency
<b>KRAS G12D Selectivity</b>	Selectivity for KRAS G12D may enable avoidance of rash for dosing to maximal target inhibition and better combinability with other agents
<b>Oral Bioavailability</b>	Oral bioavailability to enable convenient round-the-clock target coverage
<b>Anti-Tumor Efficacy</b>	Deep tumor regressions in preclinical KRAS G12D models at low oral doses
<b>Blood Brain Barrier</b>	Activity in intracranial tumor models may indicate potential to treat brain metastases (e.g. in NSCLC)

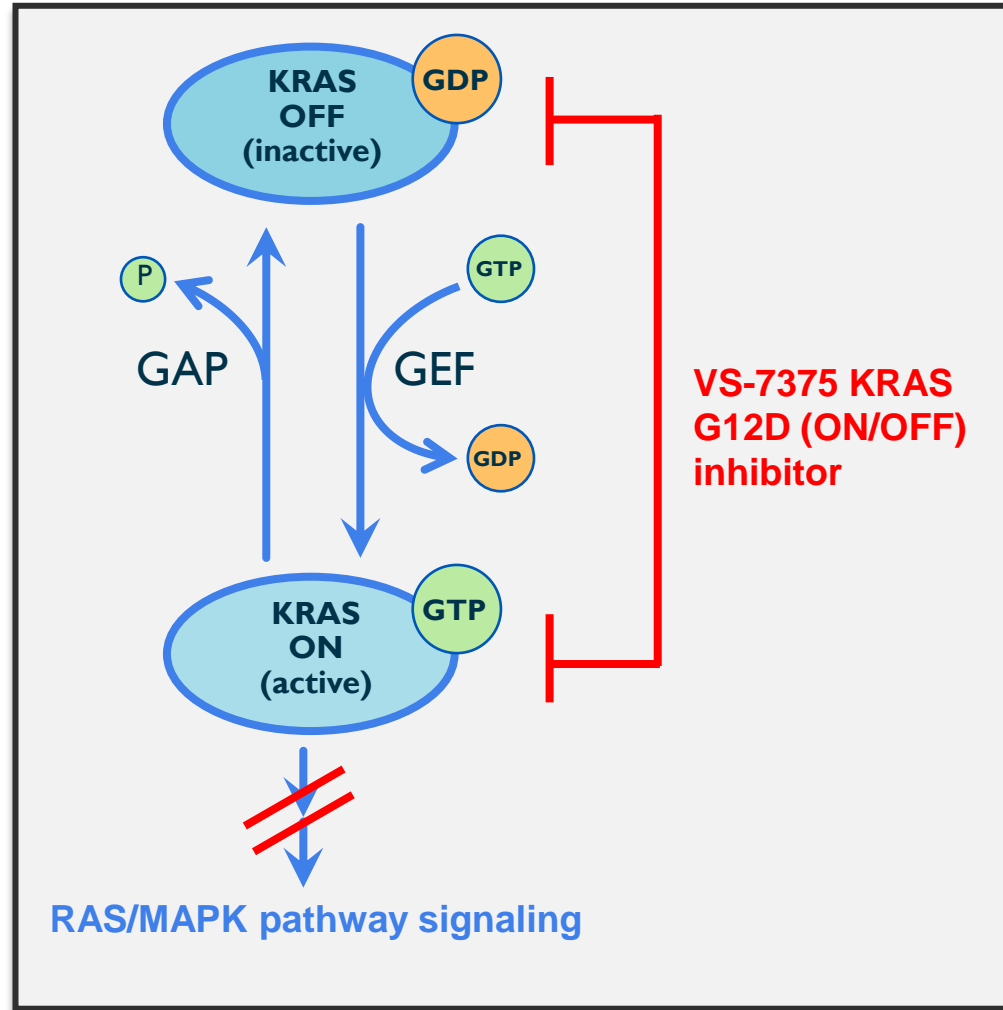
# Importance of Inhibiting Both the Active (ON) & Inactive (OFF) States of KRAS for Deep and Durable Inhibition of Tumor Growth



- KRAS-GTP is the active (ON) state which drives cancer growth
- KRAS-GDP is the inactive (OFF) state and represents a KRAS pool that will cycle back to the active ON state
- OFF-state selective agents (e.g., approved G12C inhibitors) may give sub-optimal efficacy because they do not target the active ON state
- ON-state selective agents (e.g., RMC-6236) can also drive GTP hydrolysis to the OFF state which they can no longer bind\*
- May be ideal to have an inhibitor capable of targeting both the ON and OFF states of KRAS to maintain inhibition around the clock, aiming for maximum efficacy

# VS-7375/GFH375 is an Oral KRAS G12D (ON/OFF) Inhibitor

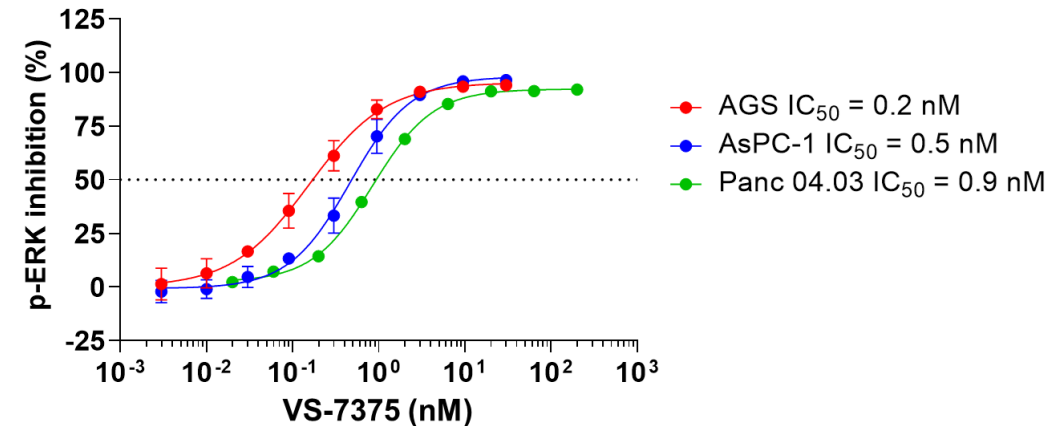
Non-covalent inhibitor of KRAS G12D (ON/OFF) with potent anti-tumor efficacy across preclinical models



VS-7375 is a dual inhibitor of ON (GTP) and OFF (GDP) states of KRAS G12D\*

KRAS G12D State	VS-7375 IC <sub>50</sub> (nM) (KRAS G12D binding)
GppNp-bound (ON/active)	2 ± 1
GDP-bound (OFF/inactive)	6 ± 1

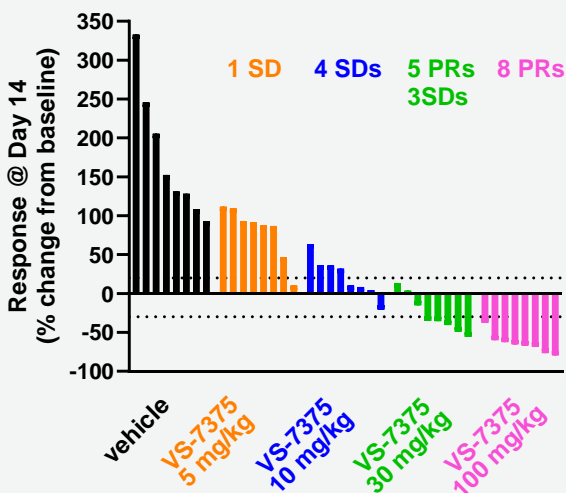
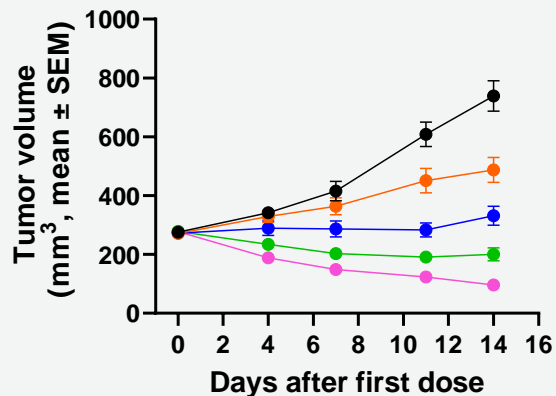
VS-7375 potently inhibits pERK signaling in KRAS G12D tumor cells\*



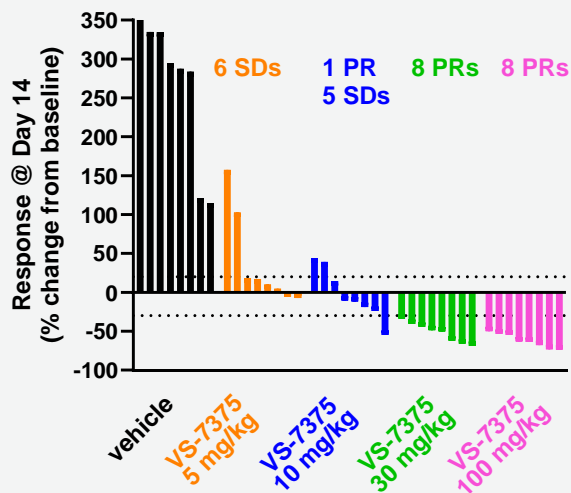
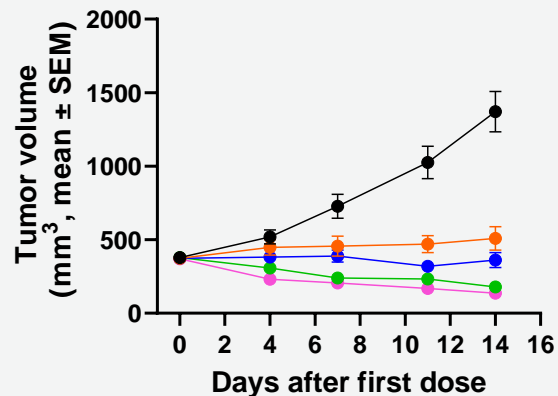


# VS-7375/GFH375 Induces Tumor Regression in Multiple KRAS G12D Tumor Models via Oral Administration

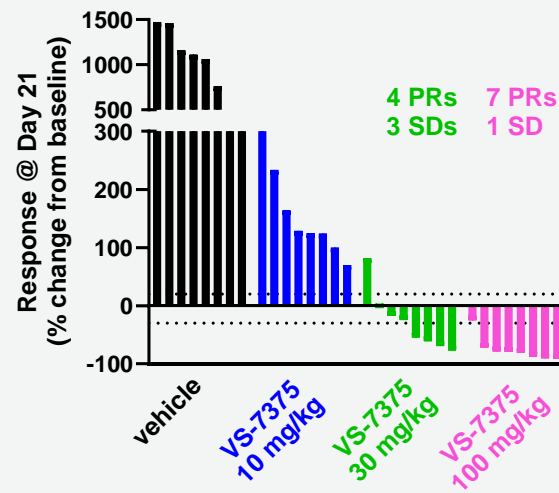
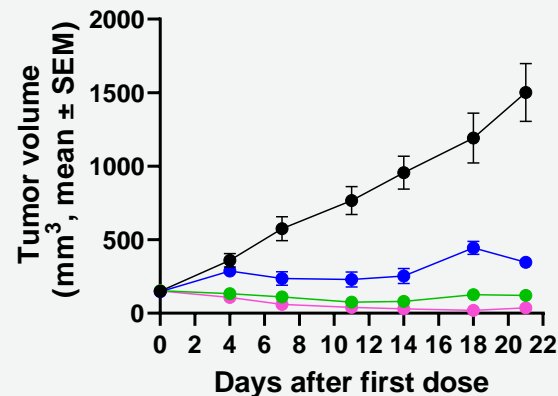
## AsPC-I PDAC



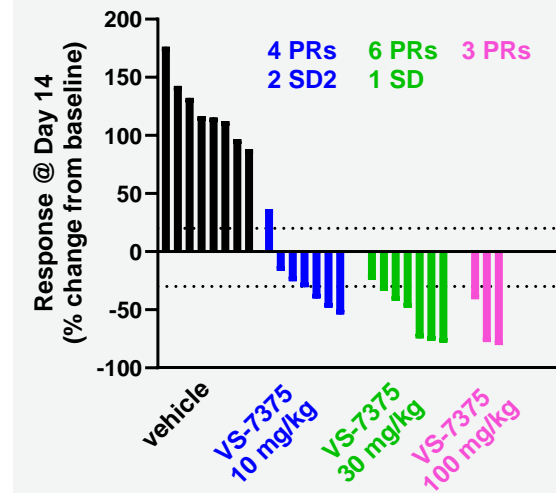
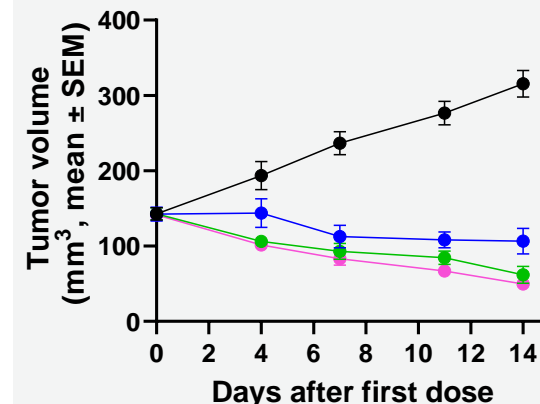
## Panc 04.03 PDAC



## LS513 CRC



## GP2D CRC



- Vehicle, BID
- 5 mg/kg VS-7375, *p.o.*, BID
- 10 mg/kg VS-7375, *p.o.*, BID
- 30 mg/kg VS-7375, *p.o.*, BID
- 100 mg/kg VS-7375, *p.o.*, BID

# VS-7375/GFH375 Positively Addresses the Key Criteria for a Potential Best-in-Class G12D Inhibitor

Categories	Criteria/Rationale	VS-7375*
<b>ON/OFF Dual Inhibition</b>	Potent inhibition of both KRAS-GTP (ON) and KRAS-GDP (OFF) states for deep and durable inhibition of tumor growth	<b>Yes</b> IC <sub>50</sub> = 2 nM (KRAS G12D ON) IC <sub>50</sub> = 6 nM (KRAS G12D OFF)
<b>Potency</b>	Inhibition of KRAS G12D signaling with sub-nanomolar potency	<b>Yes</b> pERK IC <sub>50</sub> = 0.2 – 0.9 nM
<b>KRAS G12D Selectivity</b>	Selectivity for KRAS G12D may enable avoidance of rash for dosing to maximal target inhibition and better combinability with other agents	<b>Yes</b> Inhibits proliferation of KRAS G12D cell lines more potently than other KRAS mutations or KRAS wild-type
<b>Oral Bioavailability</b>	Oral bioavailability to enable convenient round-the-clock target coverage	<b>Yes</b> Across preclinical species
<b>Anti-Tumor Efficacy</b>	Deep tumor regressions in preclinical KRAS G12D models at low oral doses	<b>Yes</b> Tumor regressions @ 10-30 mg/kg PO BID
<b>Blood Brain Barrier</b>	Activity in intracranial tumor models may indicate potential to treat brain metastases (e.g. in NSCLC)	<b>Yes</b> Efficacy @ 10 mg/kg PO BID in intracranial model

# Next Steps for VS-7375/GFH375 & GenFleet Collaboration



**GenFleet plans to continue to enroll patients into Phase I/2 trial for VS-7375/GFH375 in China in patients with KRAS G12D-mutated advanced solid tumors**

**Anticipate filing U.S. IND for VS-7375/GFH375 by Q1 2025**

**Initial data readout from VS-7375/GFH375 study in China expected in 2025**

**Ongoing discovery/lead optimization in 2<sup>nd</sup> and 3<sup>rd</sup> programs**

# Achievements, Anticipated Milestones & Financials



# Recent Corporate Achievements

<b>Avutometinib + Defactinib: Recurrent LGSOC</b>	<b>Avutometinib + Defactinib: Metastatic Pancreatic Cancer</b>	<b>Avutometinib + KRAS G12C Inhibitors: NSCLC</b>	<b>VS-7375/GFH375: Oral G12D (ON/OFF) Inhibitor</b>
<ul style="list-style-type: none"><li>✓ Received FDA Orphan Drug Designation</li><li>✓ Initiated Phase 3 confirmatory study in Q4'23</li><li>✓ Initiated rolling NDA submission in recurrent KRAS mt LGSOC in May 2024</li><li>✓ Completed rolling NDA submission in recurrent KRAS mt LGSOC in October 2024</li></ul>	<ul style="list-style-type: none"><li>✓ Initial interim safety and efficacy results from RAMP 205 presented at ASCO 2024</li><li>✓ Received FDA Orphan Drug Designation for avutometinib plus defactinib for treatment of pancreatic cancer in July 2024</li></ul>	<ul style="list-style-type: none"><li>✓ Received FDA Fast Track Designation for avutometinib plus defactinib with Amgen's G12C inhibitor sotorasib</li><li>✓ Received FDA Fast Track Designation for avutometinib in combo with Amgen's G12C inhibitor sotorasib</li><li>✓ Presented initial interim results from Phase I/2 RAMP 203 trial of avutometinib + sotorasib</li></ul>	<ul style="list-style-type: none"><li>✓ Established discovery and development collaboration with GenFleet</li><li>✓ Presented preclinical data of VS-7375/GFH375, a potential best-in-class oral KRAS G12D (ON/OFF) inhibitor, at AACR 2024</li><li>✓ IND application was filed in China and accepted for review in Q1'24</li><li>✓ Phase I/2 trial ongoing in China in patients with KRAS G12D-mutated advanced solid tumors; first patient dosed in July 2024</li></ul>

# Planned Near-Term LGSOC Commercial Launch, Followed by Meaningful Catalysts to Expand Into Larger, Underserved Patient Populations

Program	Anticipated Milestones & Activities
<b>Avutometinib + Defactinib in Recurrent Low-grade Serous Ovarian Cancer (LGSOC)</b>	<ul style="list-style-type: none"> <li>✓ Completed rolling NDA submission in KRAS mutant LGSOC in October 2024</li> <li>✓ Announced mature data from RAMP 201 at IGCS Annual Meeting in October 2024</li> <li>❑ Potential FDA approval decision and U.S. commercial launch in recurrent KRAS mutant LGSOC in mid-2025</li> <li>• Continue site activations and patient enrollment in international Phase 3 confirmatory study</li> </ul>
<b>Avutometinib + Defactinib + SOC in First-Line Metastatic Pancreatic Cancer</b>	<ul style="list-style-type: none"> <li>• Continue RAMP 205 study follow up on all dose cohort levels to determine RP2D go forward regimen</li> <li>❑ Plan to report updated data from the ongoing RAMP 205 in Q1 2025</li> </ul>
<b>Avutometinib ± Defactinib + KRAS G12C Inhibitor: mKRAS G12C Non-small Cell Lung Cancer (NSCLC)</b>	<ul style="list-style-type: none"> <li>❑ Expect to report updated interim data from the doublet combination of avutometinib plus sotorasib and provide initial safety data and a status of enrollment for the triplet combination of avutometinib, sotorasib and defactinib in the RAMP 203 trial, by the end of 2024</li> </ul>
<b>VS-7375/GFH375, KRAS G12D (ON/OFF) Inhibitor</b>	<ul style="list-style-type: none"> <li>• GenFleet plans to continue to enroll patients into Phase 1/2 trial for VS-7375/GFH375 in China in patients with KRAS G12D-mutated advanced solid tumors</li> <li>❑ Anticipate filing U.S. IND VS-7375/GFH375 by Q1 2025</li> <li>❑ Initial data readout of VS-7375/GFH375 study in China expected in 2025</li> <li>• Ongoing discovery/lead optimization in second and third programs</li> </ul>

# Key Financial Statistics

As of and for the quarter ended September 30, 2024

Cash, cash equivalents & short-term investments	\$113.2M
GAAP Operating Expenses	\$37.0M
Non-GAAP Operating Expenses	\$35.1M*
Shares Outstanding	40.3M**

## Sources of Non-Dilutive Capital

- **Oxford Finance LLC Credit Facility**

- Up to \$150M available in a series of term loans
  - \$40M term loans outstanding
  - Remaining \$110M available upon achievement of pre-defined milestones or at lender's discretion
    - \$25M tranche available upon FDA approval of avotemetinib for treatment of LGSOC
- Floating interest rate, subject to a floor and a cap; 5% final payment charge, and loan subject to 1-3% early payment fee
- Interest only payments through April 2025
- No financial covenants

\* Q3 2024 GAAP operating expenses of \$37.03M less Q3 2024 stock-based compensation expense of \$1.94M = \$35.09M Q3 2024 non-GAAP operating expenses;

\*\*Excludes Series A Preferred (0.8M Shares on as-converted basis), Series B Preferred (4.2M Shares on as-converted basis), unexercised Warrants (18.3M shares upon exercise) and unexercised Pre-Funded Warrants (5.0M shares upon exercise)

Thank You





Addendum

The image features a white background with several diagonal stripes. A large blue stripe runs from the top left towards the bottom right. Overlapping this are three narrower stripes: a teal stripe, a white stripe, and an orange stripe, all running parallel to the blue one. At the bottom, a horizontal teal stripe spans the width of the page, overlapping the diagonal stripes.

# Avutometinib Patent Exclusivity

Composition of Matter

Feb 2027 + 5 yrs (PTE) = 2032

Method of Making

Sept 2032

Dosing Protocol

May 2038

Combination w/ Defactinib

Sept 2040

Solid Form

Dec 2042

Methods or Treating; Combinations

2041 - 2042 if issued

# Experienced Senior Management Team

**Daniel Paterson**  
President and Chief Executive Officer



Previous experience:

- CEO, The DNA Repair Co. (now On-Q-ity)
- PharMetrics (now IMS)
- Axion

**John Hayslip, M.D.**  
Chief Medical Officer



Previous experience:

- CMO, I-MAB
- Nektar Therapeutics, AbbVie
- Director of clinical research and data management, University of Kentucky's Markey Cancer Center

**Dan Calkins**  
Chief Financial Officer



Previous experience:

- Technical Accounting Consultant- CFGI
- PwC LLP

**Colleen Mockbee**  
Global Head of Regulatory Affairs and Development



Previous experience:

- Chief Development Officer & SVP of Regulatory, OncXerna
- Head of Global Regulatory, Lilly Oncology

**Cathy Carew**  
Chief Organizational Effectiveness Officer



Previous experience:

- Principal – HR Collaborative
- Ironwood
- ActiveBiotics
- Dynogen
- Tufts Health Plan

**Jonathan Pachter, Ph.D.**  
Chief Scientific Officer



Previous experience:

- Head of Cancer Biology – OSI (now Astellas)
- Schering-Plough

**Mike Crowther**  
Chief Commercial and Strategy Officer



Previous experience:

- CBO, Minerva Biotechnologies
- Interim US lead and VP of US Marketing, Kite Pharma
- Celgene

**Nate Sanburn**  
Chief Business Officer



Previous experience:

- Associate VP, Head of Collaborations & Late Phase BD, Lilly Oncology
- National Gene Vector Lab, Indiana University

# Avutometinib Monotherapy Provided Lower Rate of Response

- Patients enrolled had comparable baseline characteristics as patients randomized to avutometinib plus defactinib regimen
  - Median of 3 prior lines of therapy, 49% had prior bevacizumab, 26% had prior MEKi
- ORR: 17% in all patients, 23% KRAS mt and 13% KRAS wt
- TEAEs leading to D/C: comparable between monotherapy (16%) and combination (10%)

	Avutometinib Monotherapy 4.0 mg BIW 3 weeks on / 1 week off		
	All patients N=69	KRAS mt N=30	KRAS wt N=39
Confirmed* ORR, n (%)	<b>12 (17)</b>	<b>7 (23)</b>	<b>5 (13)</b>
CR	1 (1)	1 (3)	0
PR	11 (16)	6 (20)	5 (13)
SD†, n (%)	43 (62)	17 (57)	26 (67)
PD, n (%)	7 (10)	3 (10)	4 (10)
Not Evaluable, n (%)	7 (10)	3 (10)	4 (10)

# Low-Dose Regimen (Part D) Determined to be Suboptimal Based on Pre-Defined Analysis

Low-dose regimen will not be pursued as a starting dose in the treatment of recurrent LGSOC

- Patients enrolled in Part D had comparable baseline characteristics as patients randomized to the avutometinib plus defactinib regimen
  - Median of 3 prior lines of therapy, 40% had prior bevacizumab, 37% had prior MEKi
- Suboptimal threshold: disease progression by 2<sup>nd</sup> scheduled assessment (Cycle 5 Day 1) >50% higher than that observed with avutometinib 3.2 mg BIW + defactinib
- TEAEs leading to D/C: comparable between 3.2 mg dose (10%) and 1.6 mg dose (15%)

IRC Assessment	Avutometinib 3.2 mg + 200 mg Defactinib Regimen 3 weeks on / 1 week off N=109	Avutometinib 1.6 mg + 200 mg Defactinib 3 weeks on / 1 week off N=23	% Difference
RECIST v1.1 Progressive Disease within 4 months	13 (12%)	5 (22%)	<b>+83%</b>

# Optimized Dosing Schedule Defined: Favorable Tolerability Profile with Novel Intermittent Dosing Regimen

Summary of Adverse Events Grade  $\geq 3$  Occurring in  $\geq 5\%$  of patients

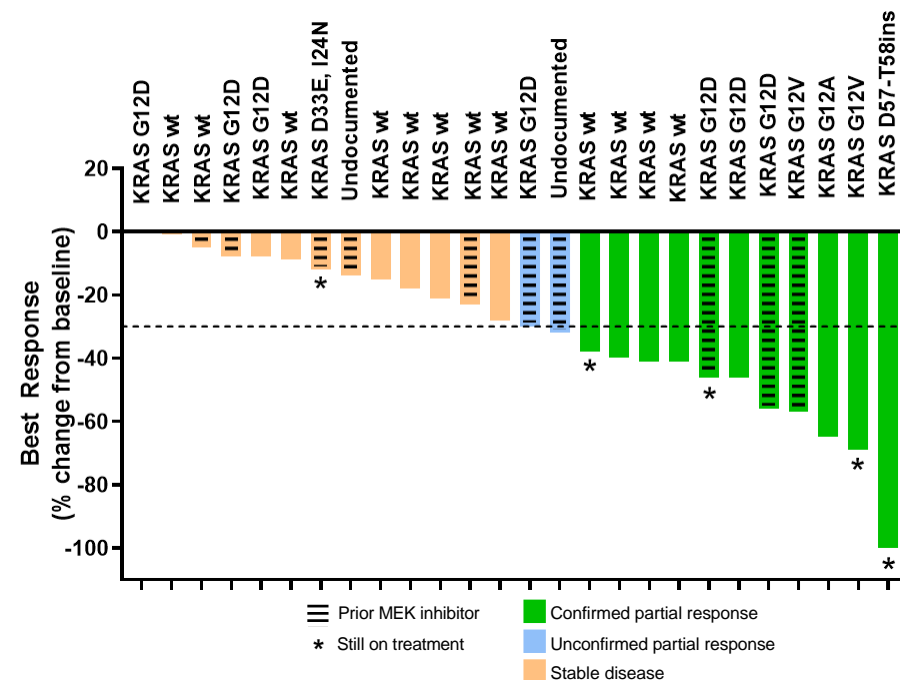
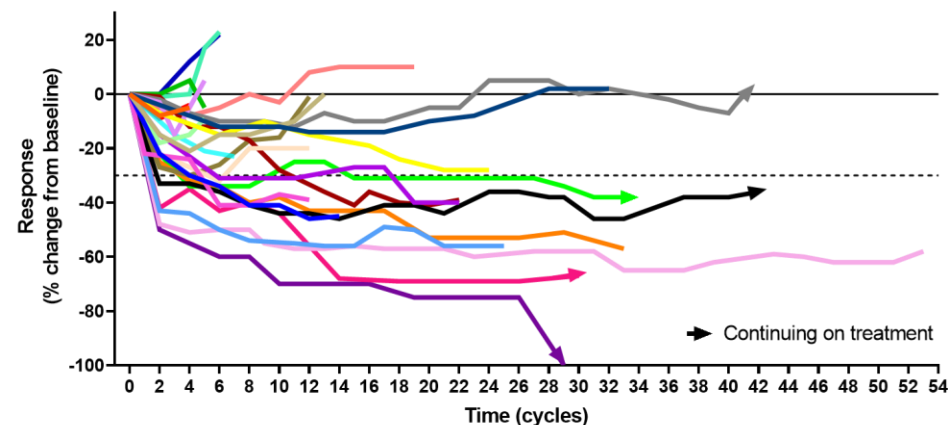
	Avutometinib monotherapy Daily at MTD N=6 28-day cycle	RP2D Avutometinib monotherapy 4mg twice weekly N=26 28-day cycle	RP2D (Avutometinib 3.2mg twice weekly + defactinib 200mg twice daily) N=38 21 days of 28-day cycle
Treatment Related Adverse Event	Grade $\geq 3$	Grade $\geq 3$	Grade $\geq 3$
Rash	3 (50%)	5 (19%)	2 (5%)
CK elevation (Creatine phosphokinase)	1 (17%)	2 (8%)	2 (5%)

# FDA Breakthrough Designation Based on FRAME Data

## FRAME\*

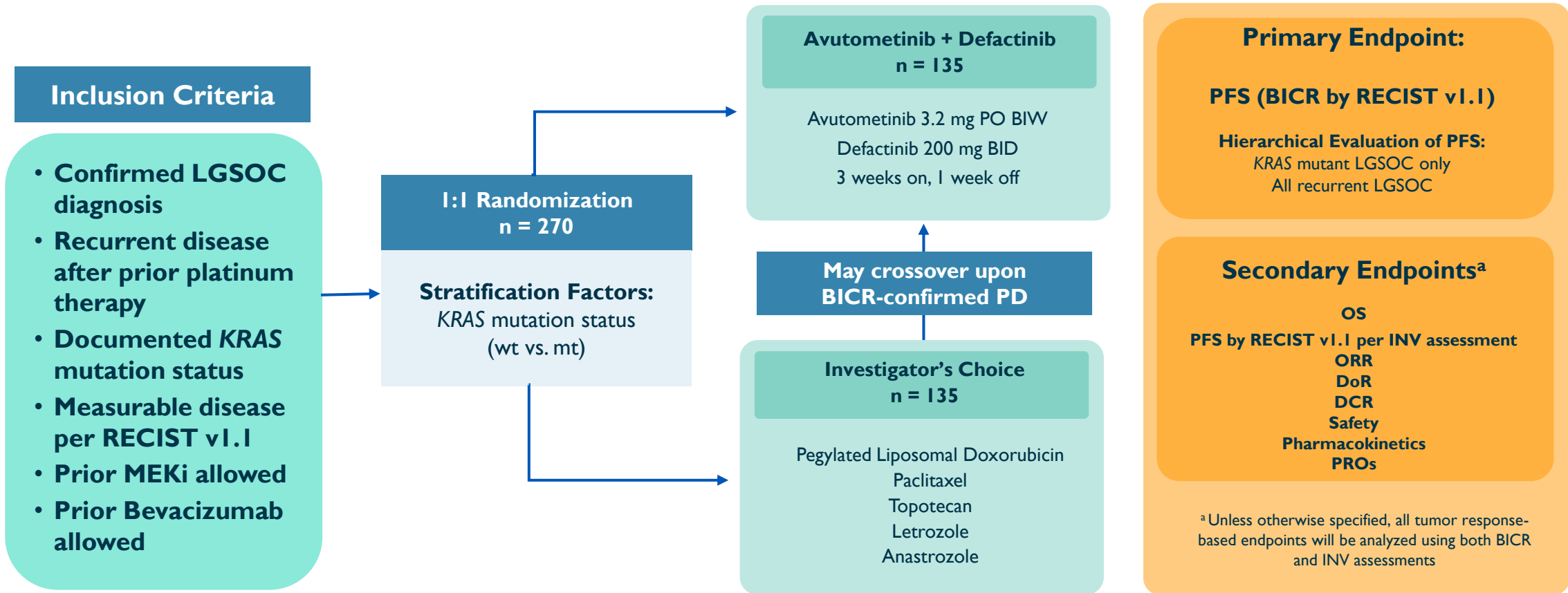
<b>ORR Overall Population</b> (Confirmed ORR by BICR)	<b>42%</b> (11 confirmed PRs/26)
95% CI	(19%, 36%)
KRAS mt	<b>58%</b> (7 confirmed PRs/12)
KRAS wt	<b>33%</b> (4 confirmed PRs/12)
<b>Median Duration of Response (DoR)</b> (95% CI 8.5-47.3) across all LGSOC patients	<b>26.9 months</b>
<b>Median Progression Free Survival (PFS)</b> (95% CI 11.1 – 31.2) across all LGSOC per RECIST 1.1	<b>20.0 months</b>
<b>Median number of prior lines of therapy</b>	<b>3.5 lines</b>
Responses observed in patients previously treated with MEK inhibitor	
No new safety findings with continued follow-up	
One (1) patient discontinued for adverse events as of July 2023 (skin AE)	

Response by RECIST



# RAMP 301: International Phase 3 Confirmatory Trial Evaluating Avutometinib + Defactinib in Recurrent LGSOC

RAMP 301 (GOG-3907/ENGOT-ov81/NCRI): Ongoing Randomized Controlled Trial (RCT)

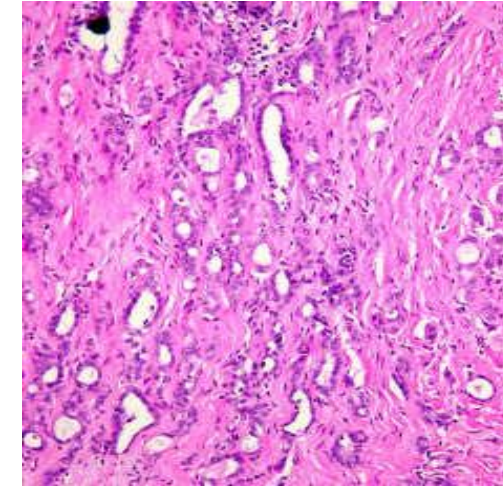


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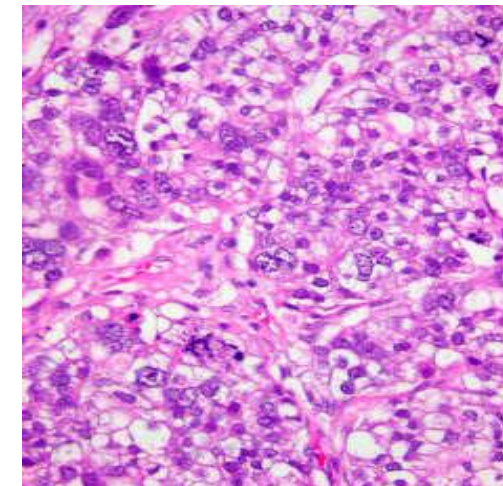


# Low-Grade and High-Grade Serous Ovarian Cancer Are Different Diseases

	LGSOC	HGSOC
<b>Nuclear atypia</b>	<b>Uniform round to oval with little variation</b>	<b>+++ Marked variation</b>
<b>Mitotic Index</b>	<b>&lt;12 mitoses per 10 hpf</b>	<b>&gt;12 mitoses per 10 hpf</b>
<b>Chromatin and variation in size of nucleus</b>	<b>Little</b>	<b>Marked (nuclear size ratio <math>\geq 3</math>)</b>
<b>Mutation</b>	<b>KRAS ++ BRAF + ER/PR +++</b>	<b>P53 +++ BRCA 1/2 +</b>
<b>Precursor</b>	<b>Serous borderline tumor</b>	<b>Tubal intraepithelial neoplasia</b>



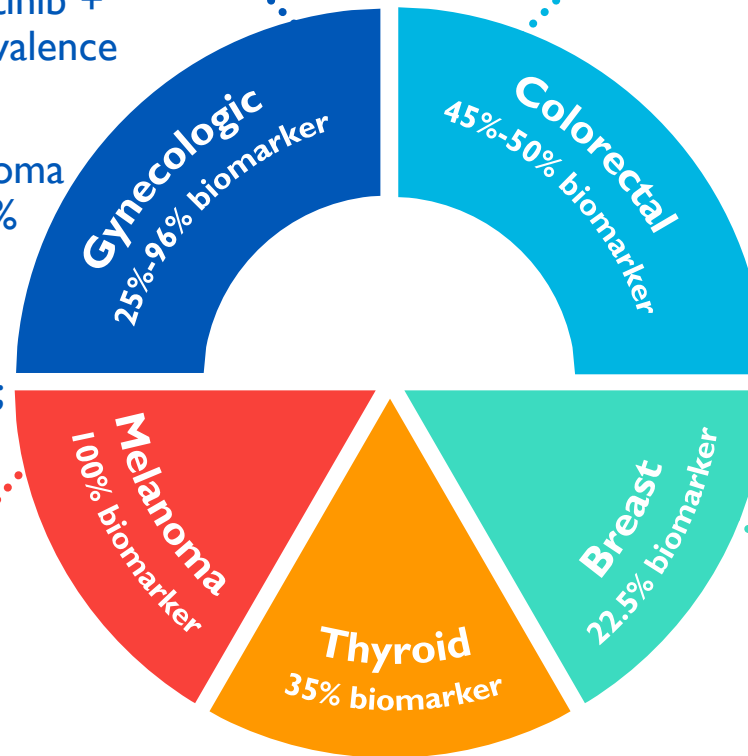
**LGSOC**



**HGSOC**

# Robust Investigator-Sponsored Trials Evaluates Multiple Potential Indications

- **LGSOC:** MSKCC Phase 1/2 with Avutometinib + Defactinib + Letrozole; 70% biomarker; Prevalence 6k<sup>1</sup>
- **Gynecologic Basket:** University of Oklahoma Phase 2 with Avutometinib + Defactinib; 25% biomarker; Incidence<sup>4-8</sup>: 85K
- **Mesonephric:** MSKCC Phase 2 with Avutometinib + Defactinib; 96% biomarker; Incidence<sup>9</sup>: ~680



- **KRAS mt:** University of Chicago Phase 1/2 with Avutometinib + Cetuximab; 45% biomarker; Incidence<sup>2</sup>: 148K
- **RAS/RAF wt:** MDACC Phase 1/2 with Avutometinib + Defactinib + Cetuximab; 50% biomarker; Incidence<sup>2</sup>: 148K

- **MAPK Alterations or wt:** University of Utah Phase 1/2 with Avutometinib + Defactinib + Encorafenib; 100% biomarker; Incidence<sup>2</sup>: 100K

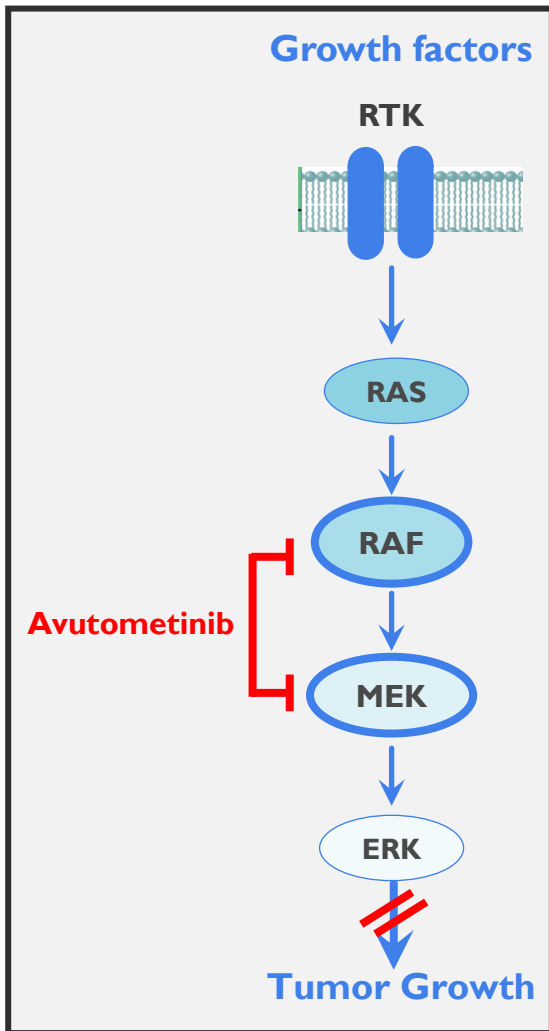
- **ER+/Her2-:** Dana-Farber Cancer Institute Phase 1/2 with Avutometinib + Abemaciclib + Fulvestrant; 22.5% biomarker; Incidence<sup>2</sup>: 279K

- **MAPK Alterations:** MSKCC Phase 2 with Avutometinib + Defactinib; 35% biomarker; Incidence<sup>3</sup>: 44K

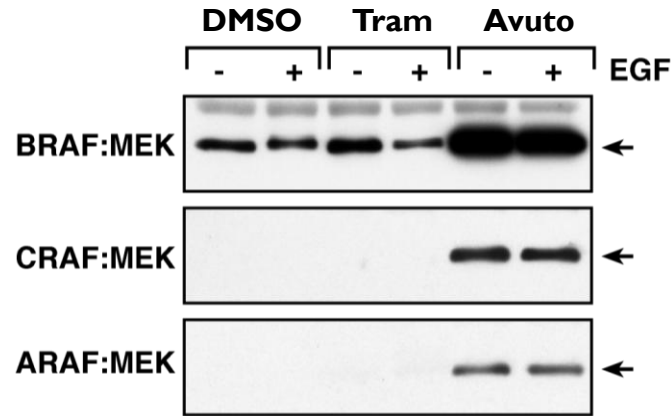
<sup>1</sup> Monk, Randall, Grisham, The Evolving Landscape of Chemotherapy in Newly Diagnosed Advanced Epithelial Ovarian Cancer, Am Soc Clin Oncol Educ Book; 2019; Slomovitz, Gourley, Carey, Malpica, Shih, Huntsman, Fader., Grisham et al, Low-Grade serous ovarian cancer: State of the Science; Gynecol Oncol; 2020. Grisham, Iyer, Low-Grade Serous Ovarian Cancer: Current Treatment Paradigms and Future Directions; Curr Treat Options Oncology; 2018; Globocan 2020; <sup>2</sup>Cancer Statistics 2020, Siegel et. al. CA Cancer J Clin 2020;70:7-30; <sup>3</sup>Cancer Statistics 2020, Siegel et. al. CA Cancer J Clin 2020;70:7-30 <sup>4</sup>Uterine cancer is one of the leading gynecologic neoplastic disorders in the US, of which over 80% are endometrioid adenocarcinomas (EA); <sup>5</sup>Endometrioid OC (EnOC) accounts for approximately 10% of all OC, with the majority of cases diagnosed as low grade, early stage disease with excellent clinical; <sup>6</sup>Ucinous ovarian cancer: 3-11% of ovarian cancer (Hada et al., 2021); <sup>7</sup>90% of Ovarian Cancer is Epithelial Ovarian Cancer (<https://www.cancer.org/content/dam/cancer-org/research/cancer-facts-and-statistics/annual-cancer-facts-and-figures/2018/cancer-facts-and-figures-2018.pdf>); <sup>8</sup>HGSOC the most common type of ovarian cancer, accounting for approximately 75% of epithelial ovarian cancers. (<https://ocrahope.org/news/high-grade-serous-carcinoma/>) <sup>9</sup>Ji Son (David Hong) ASCO 2023

# Avutometinib is a Differentiated Small Molecule RAF/MEK Clamp

Contrasting Mechanism of Action vs. MEK-Only Inhibitors

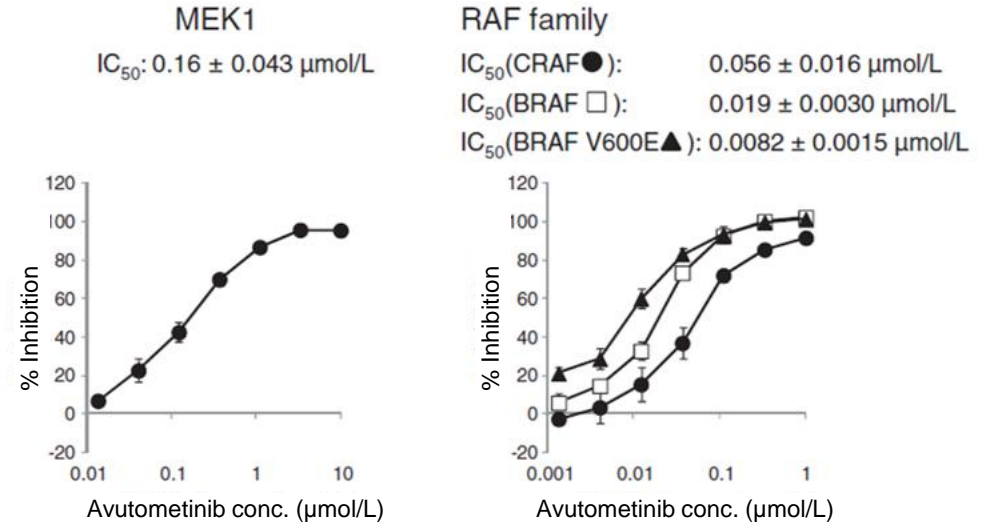


Avutometinib induces dominant negative RAF/MEK complexes



Collaboration with Deborah Morrison, NCI

Avutometinib inhibits both RAF and MEK activities



The RAF/MEK clamp mechanism avoids the compensatory activation of pMEK enabling more complete pERK inhibition



# Avutometinib Inhibits Cell Proliferation Across Multiple RAS/MAPK Pathway Alterations and Multiple Solid Tumor Histologies

