



Uveal melanoma and Mucosal melanoma

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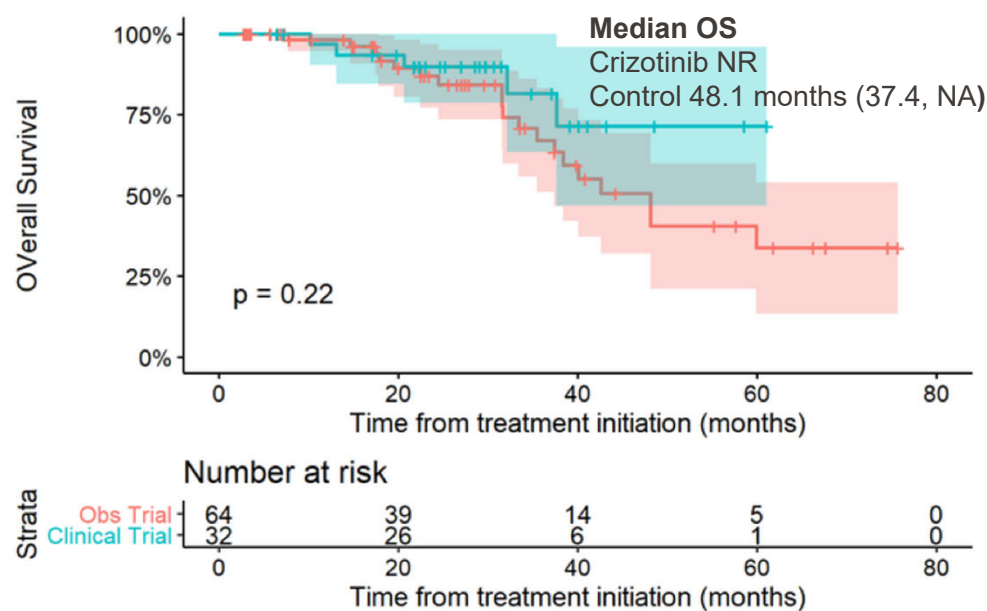
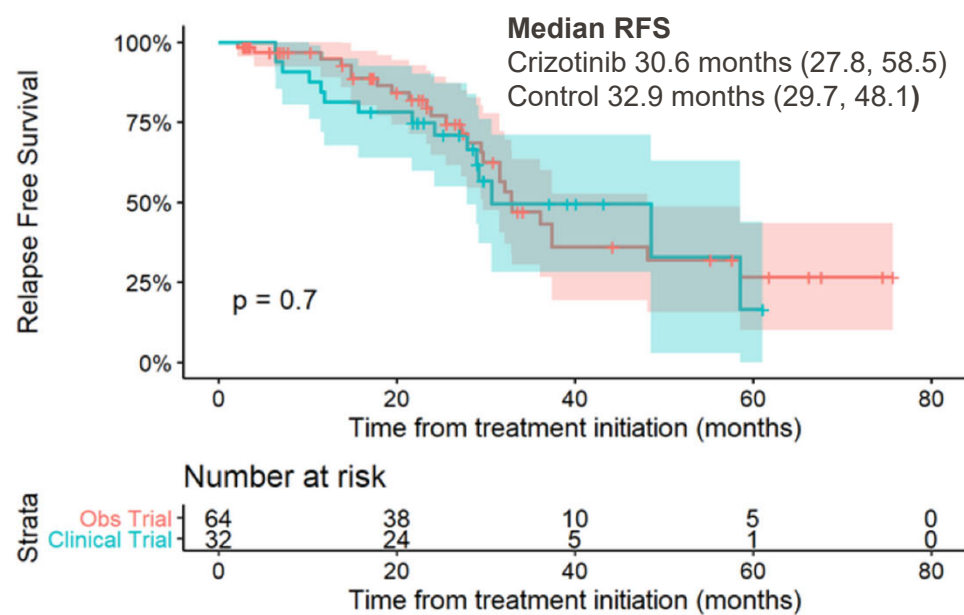


Objectives

1. **Describe current and completed experimental trials in uveal melanoma and mucosal melanoma**
2. **Explore emerging preclinical data and future directions in rare melanomas**



Adjuvant Crizotinib



Carvajal RD et al., ASCO 2020



Clinical Trial For Patients with
Hepatic-Dominant Ocular Melanoma

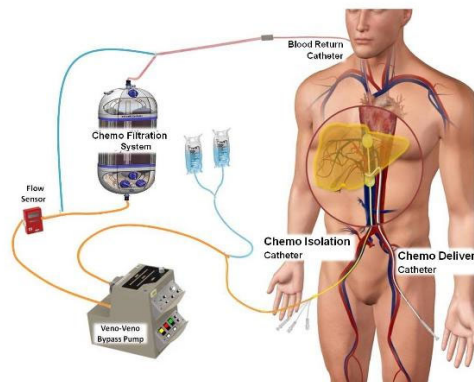
Multinational, Multicenter Non-
Randomized trial in Patients with
Hepatic Dominant Ocular Melanoma
(N = 80)

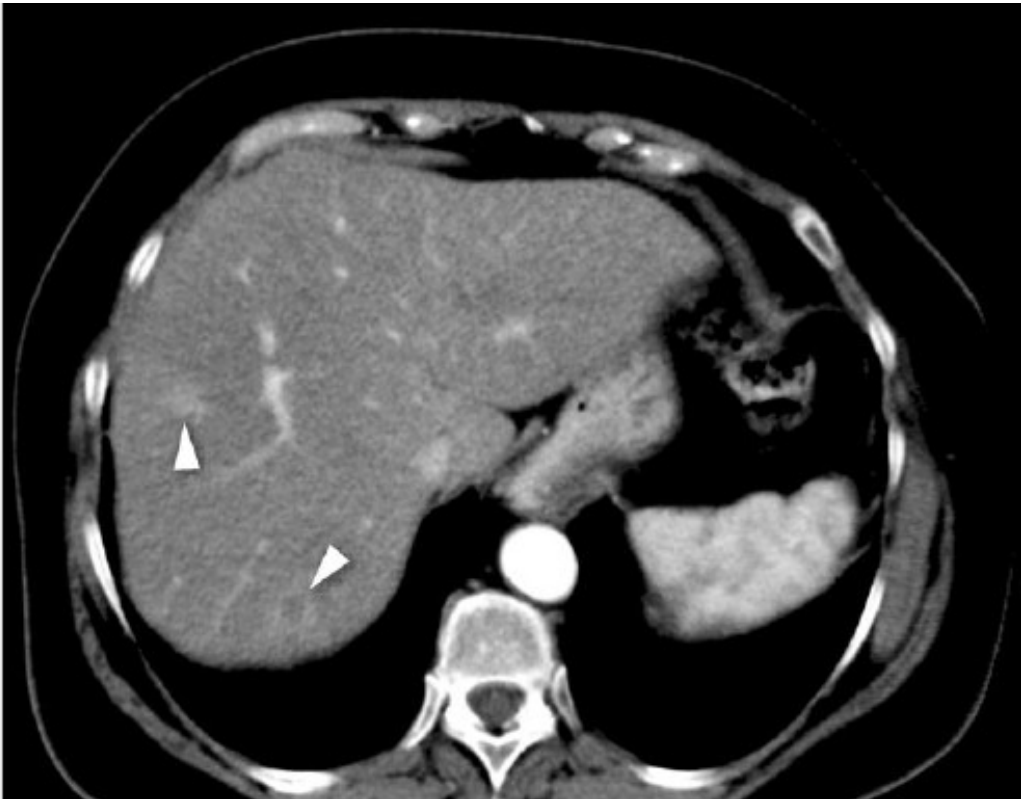
Melphalan/HDS
Q6-8 weeks x ≤ 6 cycles

Primary Endpoint
Objective Response Rate

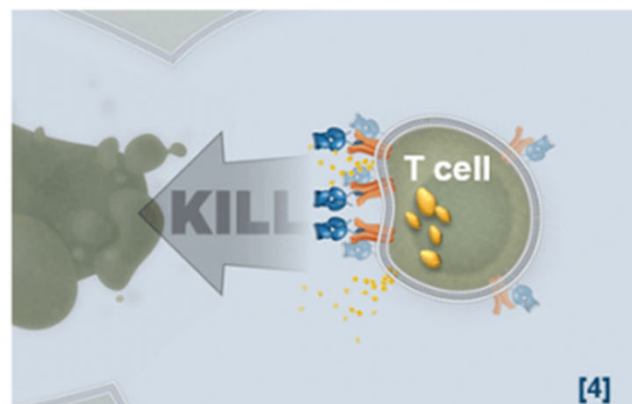
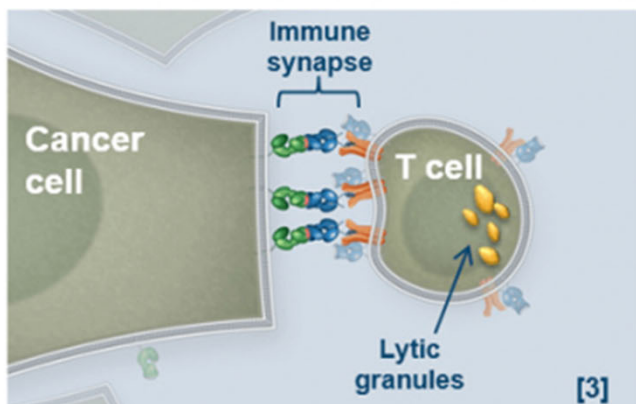
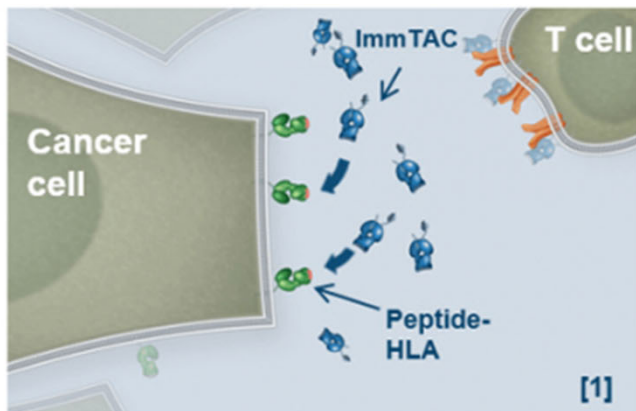
Secondary Endpoints
Duration of Response, Disease
Control Rate, Overall Survival,
Progression-Free Survival

Safety, PK, QoL
Rigorous Analyses to Assess
Risk:Benefit Profile

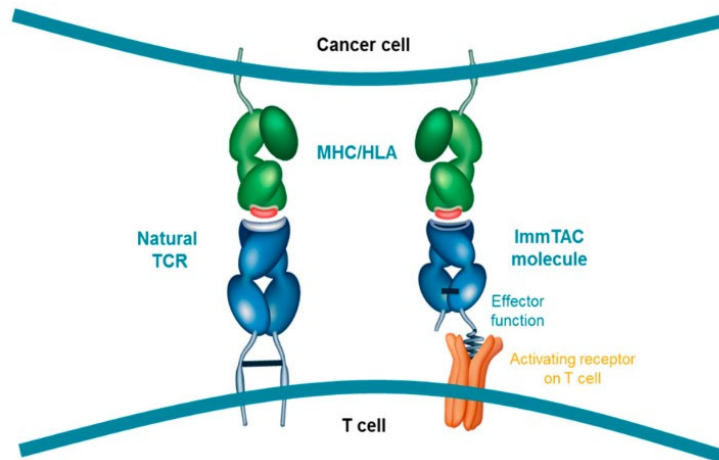




ImmTAC: Immune Mobilizing Monoclonal T-Cell Receptor Against Cancer



IMCgp100-202: Tebentafusp for treatment-naïve metastatic uveal melanoma



Damato B et al. *Cancers* 2019.

Tx-naïve
n = 327

R

2:1

n = 109

n = 218

Investigator Choice:

DTIC 1000 mg/m² Q3w
Ipilimumab 3 mg/kg Q3w
Pembrolizumab 2 mg/kg Q3w

IMCgp100 68 mcg QW
(Intra-patient Dose Escalation Schedule)

Primary Endpoint:

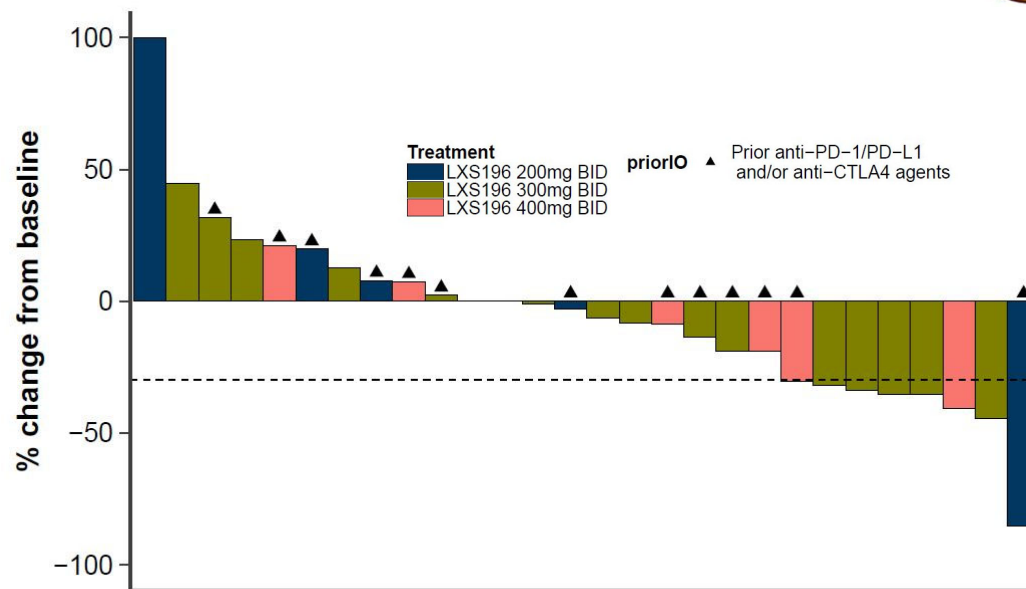
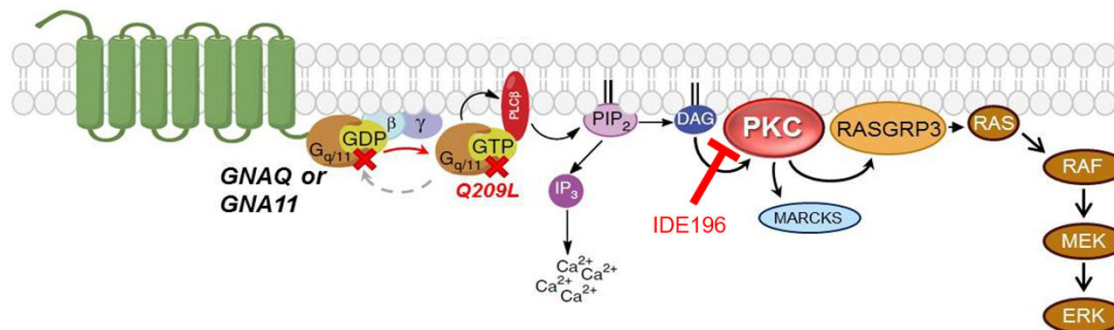
Overall Survival

Secondary Endpoints:

ORR, PFS, DOR, DCR, HRQoL, PK

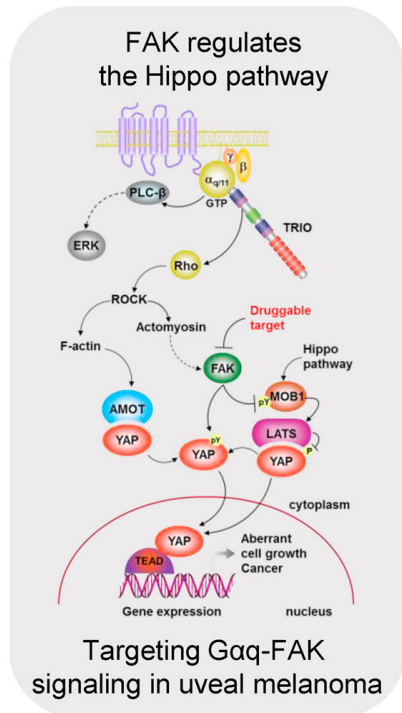


Protein Kinase C inhibitor: IDE196

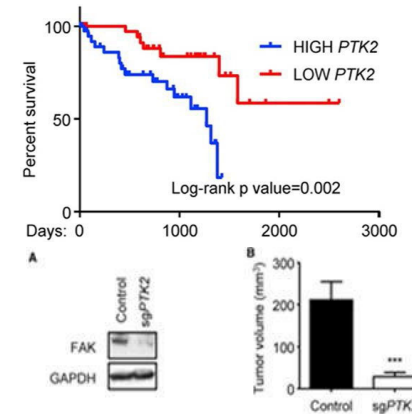
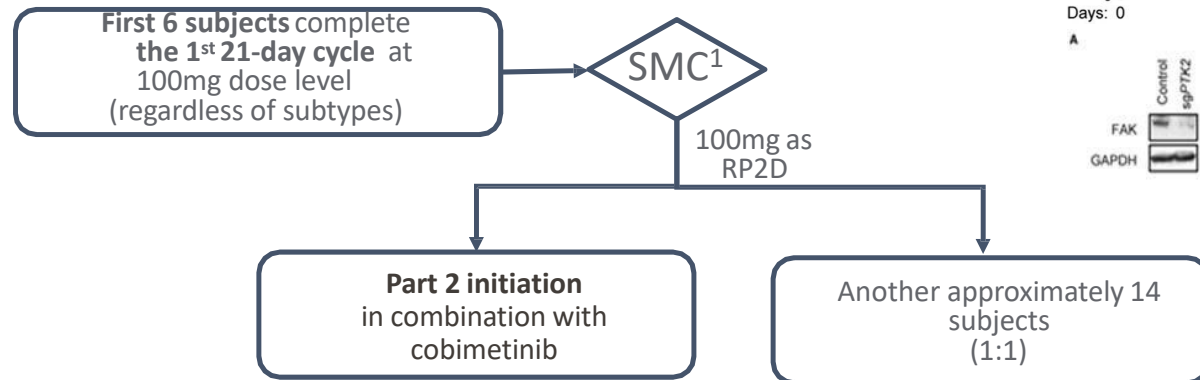


- One patient having a CR remains on therapy as of March 24, 2020
- Duration of response for the four patients with confirmed responses was 91, 395, +554, and +668 days as of April 2019
- SD = stable disease; PR = partial response, CR = complete response, ORR = overall rate of response

IN10018-004-01: FAK inhibitor Study Design



Part 1: IN10018 Monotherapy

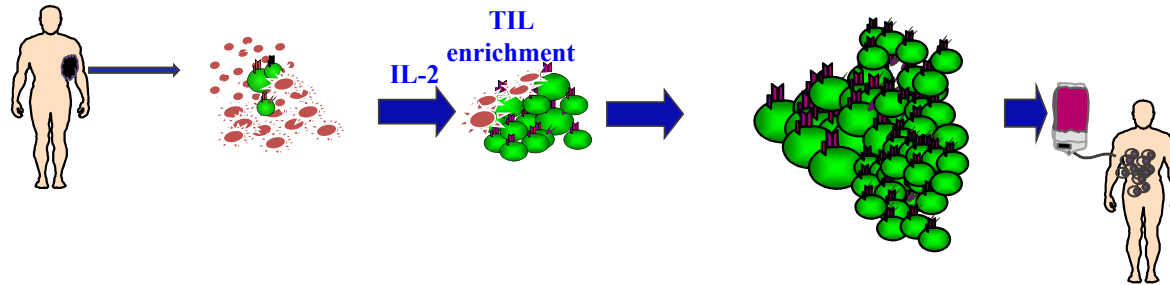


1 SMC will review the safety database after first 6 subjects complete the 1st 21-day cycle and determine RP2D.

How to make T cells

TIL

Tumor-infiltrating
Lymphocytes

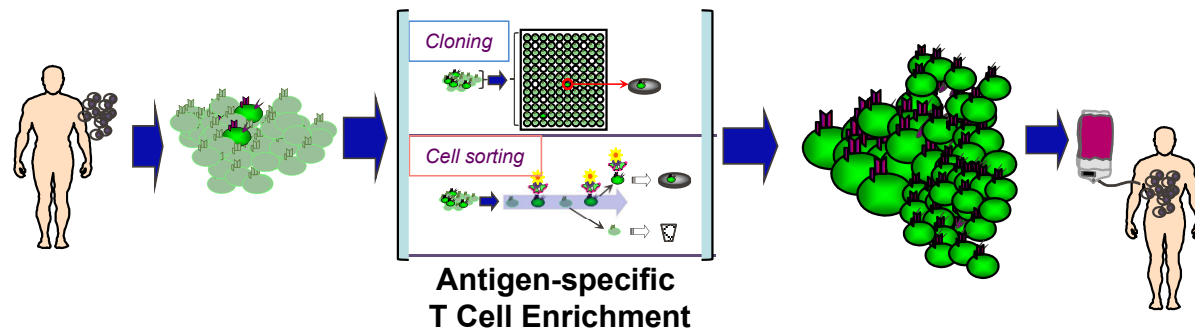


Ongoing TIL study
at UPMC

(PI: Udai Kammula)

ETC

Endogenous
T cell Therapy



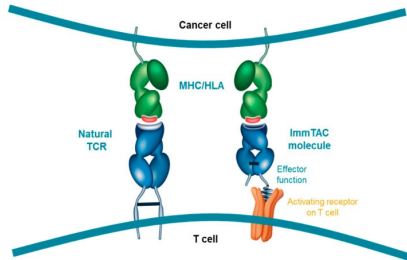
SLC45A2 ETC
study at MDACC

(PI: Sapna Patel)

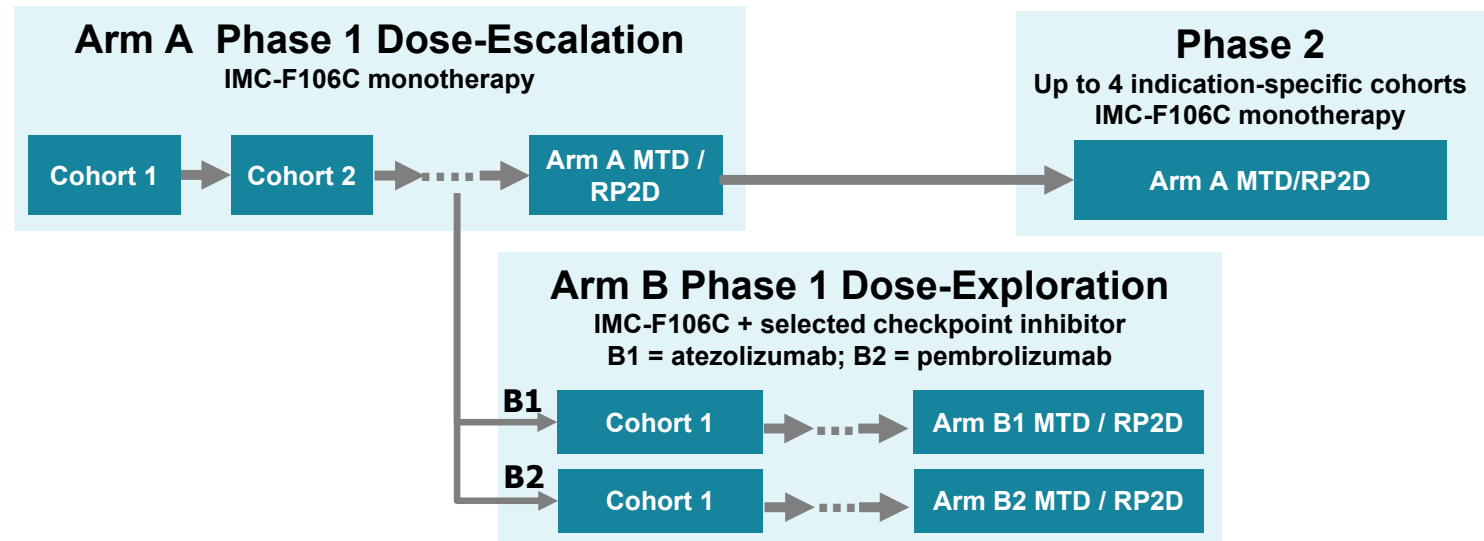
Slide courtesy of C Yee



IMC-F106C: ImmTAC for PRAME-Positive Cancers



Damato B et al. *Cancers* 2019.

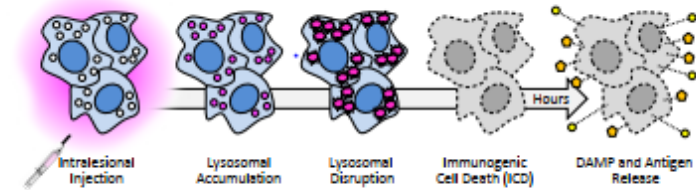


- **Population:** HLA-A*02:01 positive and have a PRAME-positive advanced solid tumor
- **Study intervention:**
 - IMC-F106C administered Q1W at escalating doses, starting at 0.3 mcg
 - Checkpoint inhibitors administered per label (eg, atezolizumab 1200 mg Q3W, pembrolizumab 200 mg Q3W)
- **Sample size:**
 - Phase 1 cohorts initially enroll 3-6; may expand to maximum of n=10 to inform dose-escalation decisions
 - Option for biomarker cohorts (maximum 12 / cohort) at dose levels with potential clinical activity
 - Option to enroll up to 12 additional participants in Arm B at the MTD/RP2D
 - Phase 2: Simon 2-stage; enroll 9 initially and expand to total n=24 if at least 1 response

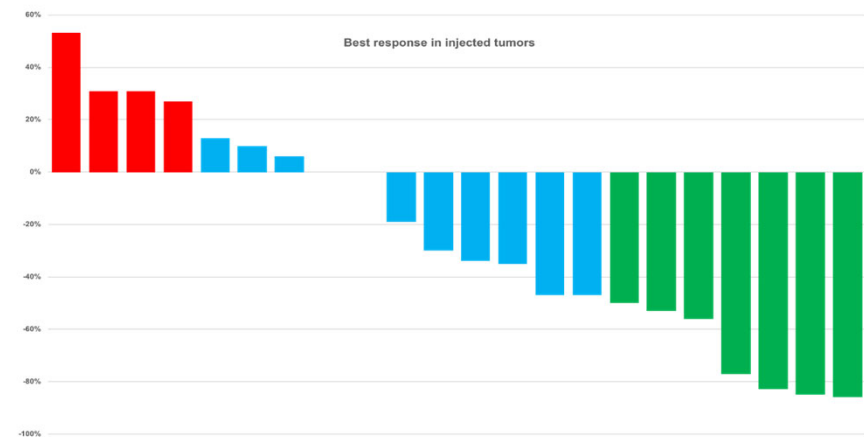
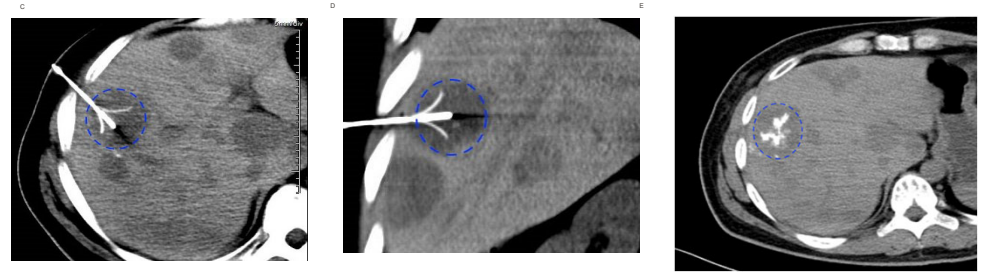
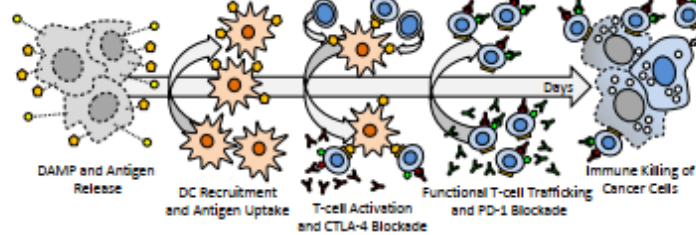
Percutaneous hepatic PV-10



Primary Tumor Autolysis



Secondary Adaptive Immunity



- Enrolling checkpoint inhibitor refractory patients
- Can continue checkpoint inhibitor while receiving PV-10

Preclinical signals

1. HCQ + MEK inhibition

- McMahon et al., *CCR* 2020

2. HDACi / Hypomethylating agents + MEK inhibition

- Smalley et al., *CCR* 2019 *PCMR* 2020

3. LAG3

- Harbour et al., *Nat Commun* 2020



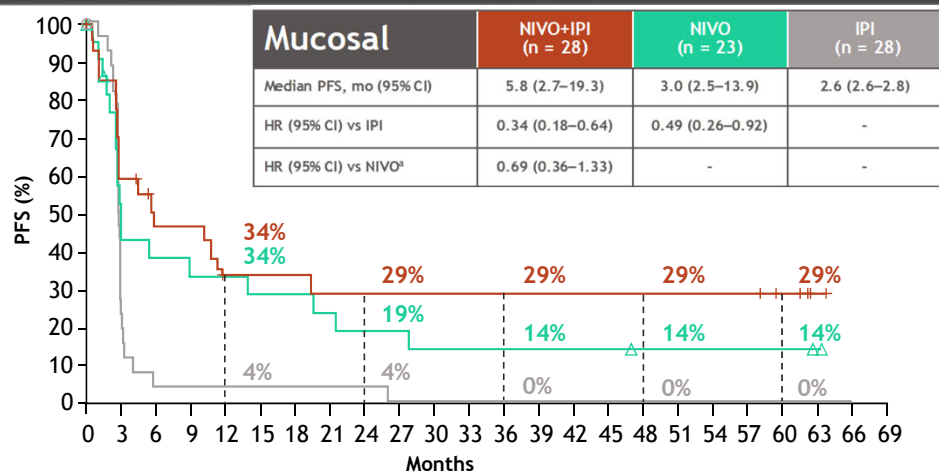
Mucosal Melanoma

...in a flash



Mucosal Melanoma from CheckMate-067

Progression-Free Survival

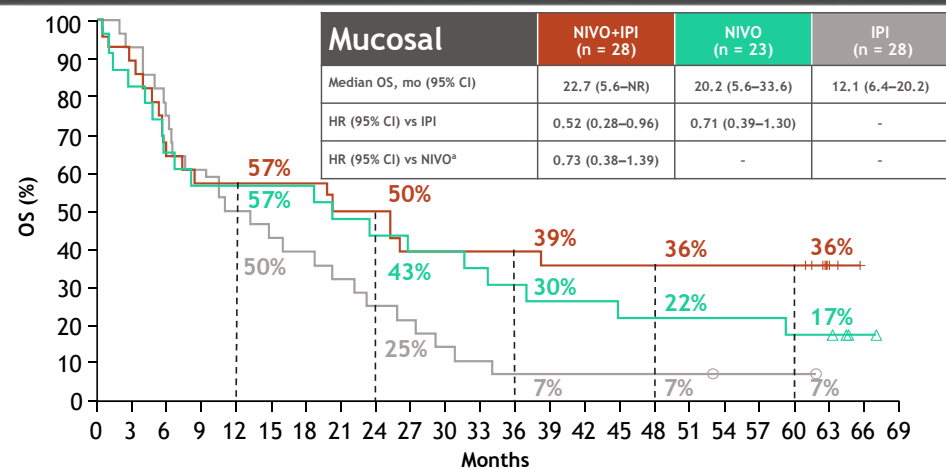


Patients at risk:

NIVO+IPI	28	16	11	11	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	4	1	0	0
NIVO	23	9	8	7	7	6	6	5	4	4	3	3	3	3	3	3	2	2	2	2	1	0	0
IPI	28	5	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PFS, median	Nivo + Ipi	Nivo	Ipi
Mucosal	5.8 (2.7-19.3)	3.0 (2.5–13.9)	2.6 (2.6-2.8)
Cutaneous	11.5 (8.7-19.3)	6.9 (5.1-10.2)	2.9 (2.8-3.2)

Overall Survival



Patients at risk:

NIVO+IPI	28	25	18	17	16	16	16	14	14	11	11	11	11	10	10	10	10	10	10	10	2	0	0
NIVO	23	19	15	13	13	13	13	11	10	9	9	8	7	6	6	5	5	5	5	4	4	1	0
IPI	28	26	21	16	14	12	11	9	7	6	4	3	2	2	2	2	2	2	1	1	1	0	0

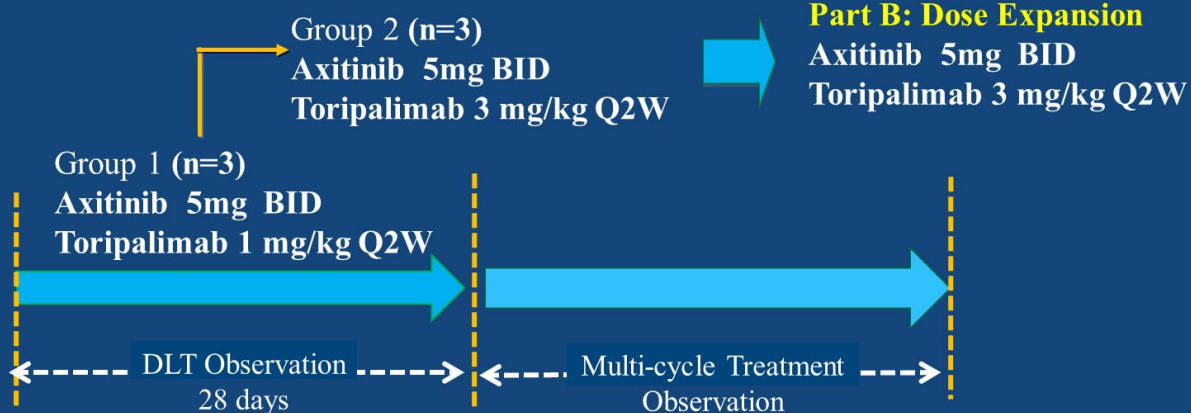
OS, median	Nivo + Ipi	Nivo	Ipi
Mucosal	22.7 (5.6-NR)	20.2 (5.6-33.6)	12.1 (6.4-20.2)
Cutaneous	NR (38.2-NR)	36.9 (28.2-58.7)	19.9 (16.8-24.6)

Phase 1b: Toripalimab (IgG4 mAb against PD-1) with axitinib in metastatic mucosal melanoma

Study Design

- Two part (part A involved dose escalation, and part B involved cohort expansion)
- ClinicalTrials.gov identifier: NCT03086174

Part A: Dose Escalation



PRESENTED AT: 2020 ASCO
ANNUAL MEETING

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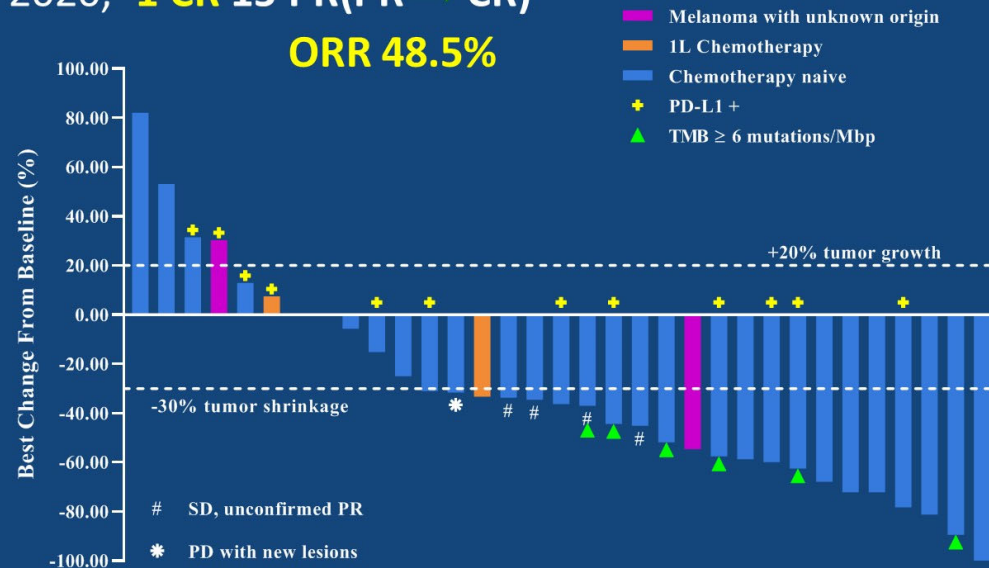
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Promising activity

Updated ORR

- By May 02, 2020, **1 CR 15 PR(PR → CR)**
ORR 48.5%



Abbreviations: ORR, Objective Response Rate; CR, Complete Response; PR Partial Response; SD, Stable Disease.

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Mucosal melanoma future investigations

1. Neoadjuvant therapy
2. Combination IO with VEGF, multikinase inhibitors
3. VEGF + Chemotherapy

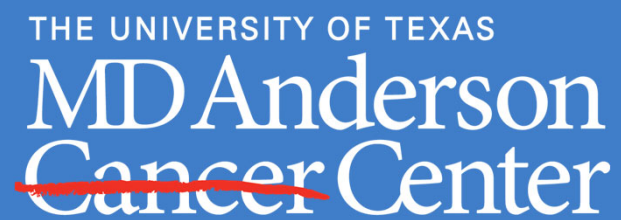


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2. **Explore emerging preclinical data and future directions in rare melanomas**



Thank you



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