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Bolt Biotherapeutics

BDC-3042 Phase 1 Results & Corporate Update

May 12, 2025

Disclaimer

This presentation contains forward-looking statements that involve substantial risks and uncertainties. All statements other than statements of historical facts contained in this presentation, including statements regarding Bolt Biotherapeutics, Inc. (the "Company," "we," "us," or "our")'s future financial condition, ability to achieve upcoming milestones for our product candidates, the timing of our clinical trials, and the success and results of our pipeline programs and partnerships, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "potentially," "predict," "should," "will" or the negative of these terms or other similar expressions. We have based these forward-looking statements largely on our current expectations and projections about future events and trends that we believe may affect our financial condition, results of operations, business strategy, and financial needs. These forward-looking statements are subject to a number of risks, uncertainties and assumptions, including, among other things: the advancement and success of our BDC-3042 clinical trial, the success of a clinical trial for BDC-4182, the anti-tumor potency, safety and tolerability, and characteristics of our product candidates, the success, cost and timing of our product development activities and clinical trials; our expectations about the timing of achieving regulatory approval and the cost of our development programs; our ability to obtain funding for our operations, including funding necessary to complete further development and commercialization of our product candidates; our ability to fund our clinical programs and the sufficiency of our cash, cash equivalents, and marketable securities to fund operations through key milestones and the achievement of key milestones; the commercialization of our product candidates, if approved; our plans to research, develop, and commercialize our product candidates; our ability to attract collaborators with development, regulatory and commercialization expertise; future agreements with third parties in connection with the commercialization of our product candidates; the success of our current collaborations with third parties, including our collaborations with Genmab A/S and Toray Industries, Inc.; the achievement of milestone payments or any tiered royalties related to our collaborations; the size and growth potential of the markets for our product candidates, and our ability to serve those markets; the rate and degree of market acceptance of our product candidates; and regulatory developments in the United States and foreign countries. These risks are not exhaustive. For a detailed discussion of the risk factors that could affect our actual results, please refer to the risk factors identified in our SEC reports, including, but not limited to our Annual Report on Form 10-K for the year ended December 31, 2024. New risk factors emerge from time to time and it is not possible for our management to predict all risk factors, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in, or implied by, any forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee future results, levels of activity, performance or achievements. Except as required by law, we undertake no obligation to update publicly any forward-looking statements for any reason after the date of this presentation.

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Introduction

Sarah Nemec

SVP Finance & Principal Accounting Officer

Presenters for Bolt Biotherapeutics

	<p>Sarah Nemec SVP Finance & Principal Accounting Officer</p>
	<p>Willie Quinn President & CEO</p>
	<p>Justin Kenkel, Ph.D. Senior Principal Scientist</p>

	<p>Ecaterina Dumbrava, M.D. Associate Professor Investigational Cancer Therapeutics MD Anderson Cancer Center BDC-3042 Investigator</p>
	<p>Grant Yonehiro Chief Operating Officer & Chief Business Officer</p>
	<p>Jakob Dupont, M.D. Board Director & Senior Clinical Advisor</p>

Additional team members available for Q&A



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Overview

Willie Quinn

President & CEO

Bolt Biotherapeutics Overview

- *Mission: Harnessing the power of the immune system to improve lives and eradicate cancer*
- **Finished 1Q25 with \$58.0 million cash¹**
 - Operating runway to mid-2026
- **BDC-3042, first-in-class dectin-2 agonist antibody**
 - Announced Phase 1 results at AACR in April
 - Running a partnering process
- **BDC-4182, next-generation Boltbody™ ISAC**
 - Phase 1 trial opened for enrollment in April
- **Genmab collaboration continues to add value**
 - 2 product candidates have advanced into development
 - Research and development on additional programs continues

Agenda

- BDC-3042 rationale & preclinical development Justin Kenkel, Ph.D.
- BDC-3042 Phase 1 clinical results Ecaterina Dumbrava, M.D.
- BDC-3042 partnering Grant Yonehiro
- BDC-4182 clinical development plan Jakob Dupont, M.D.
- Conclusion Willie Quinn



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BDC-3042 Rationale & Preclinical Development

Justin Kenkel, Ph.D.

Senior Principal Scientist

BDC-3042 First-in-Class Agonist Antibody Program

Emerging Anti-Tumor Efficacy Demonstrated in Phase I Dose-Escalation Study

BDC-3042

Dectin-2-targeting agonist antibody



Powerful and Selective I/O Target: Dectin-2

- Expressed by tumor-associated macrophages (TAMs)
- Dectin-2 agonism activates TAMs & elicits anti-tumor response
- Anti-PD-1 therapy upregulates Dectin-2 expression in the tumor microenvironment¹

Dose-Escalation Study Supports Further Development

- Safe and well tolerated, supporting combination strategies
- Biologically active, with evidence of target engagement & immunostimulatory effects consistent with preclinical studies
- 20-day half-life enabling convenient dosing regimens
- Promising signs of antitumor activity as a single agent in non-small cell lung cancer, in the post-checkpoint inhibitor setting, and at the highest dose tested

Data cut-off April 7, 2025. Dumbrava et al., AACR 2025

¹Based on published transcriptomic data assessing human tumor biopsies before & after treatment with anti-PD-1 mAbs (Cindy Yang et al., Nat Commun 2021; Bi et al., Cancer Cell 2021; Chen et al., Cancer Discov 2016)

First-in-Class Opportunity with High Specificity to Target TAMs

Dectin-2: Immune-activating pattern recognition receptor with favorable expression profile^{1,2}

- **Restricted to myeloid cells**
 - Tumor-associated macrophages
 - Monocytes, dendritic cells (cDC2)
 - Alveolar macrophages, other tissue-resident populations
 - Low granulocyte expression
- **Dectin-2 agonism activates & reprograms TAMs leading to:**
 - Enhanced CD8⁺ T cell responses
 - Complete tumor regression
 - Induction of immunological memory^{3,4}

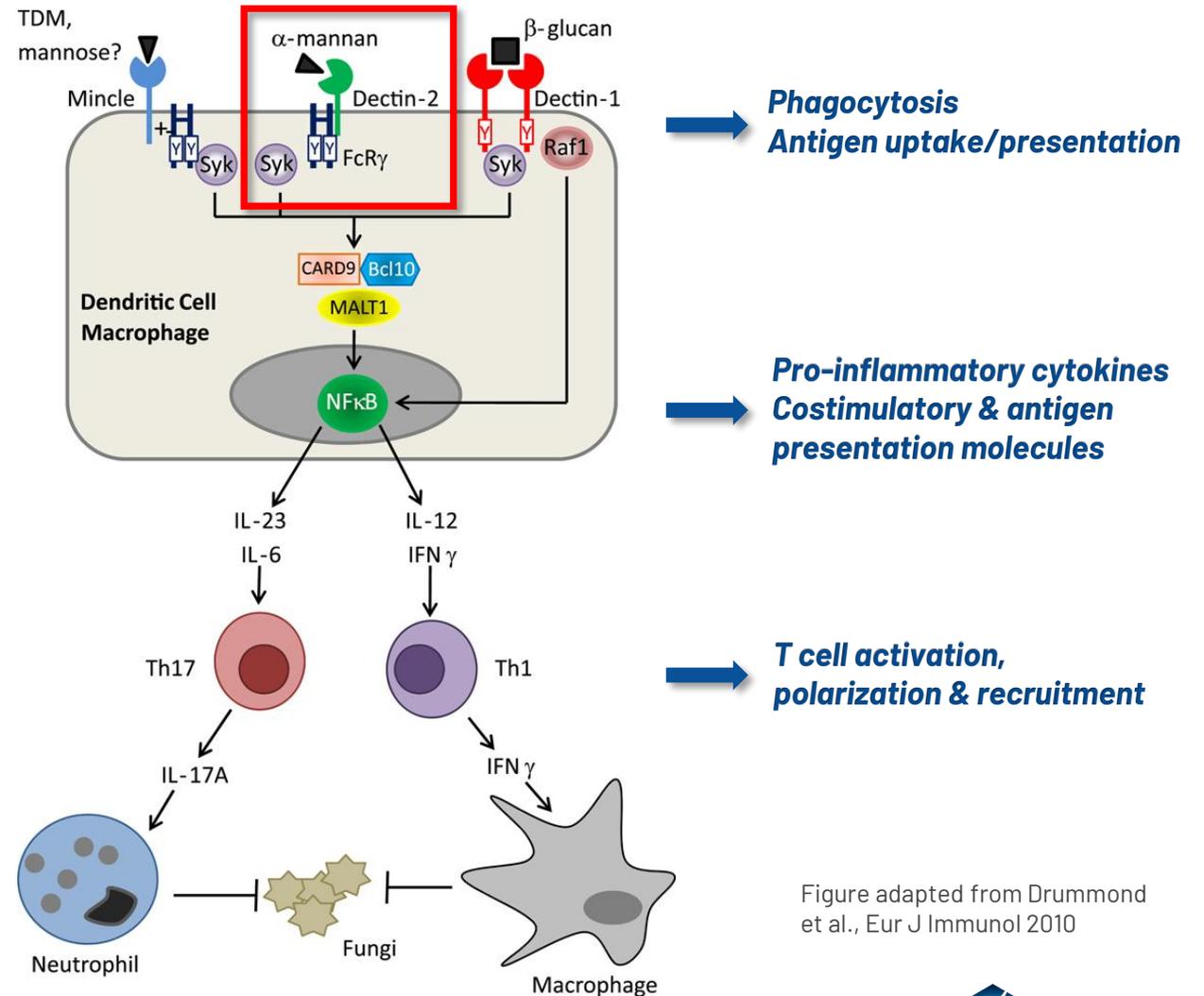
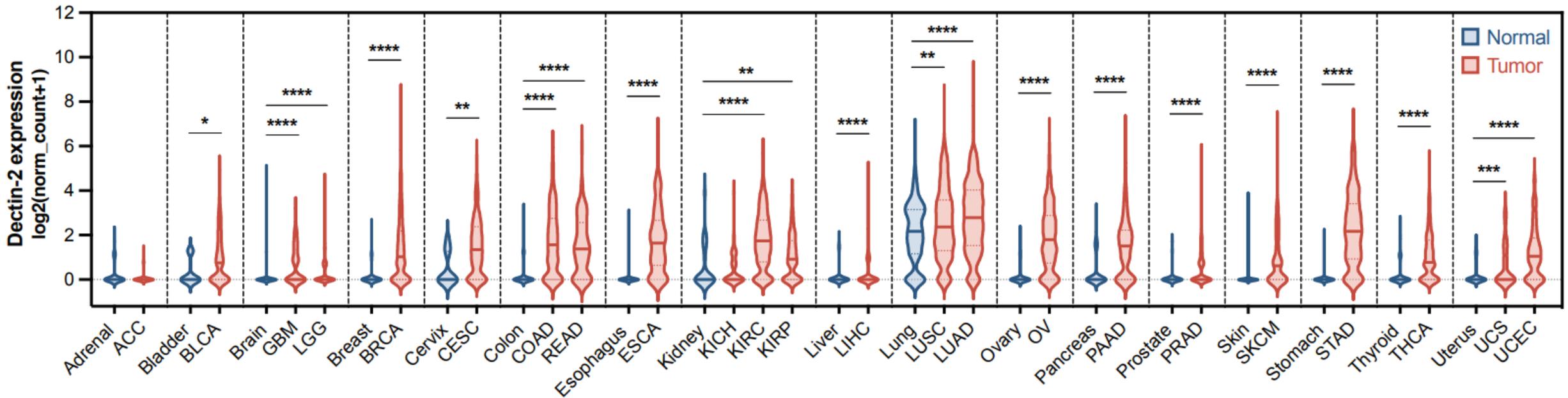


Figure adapted from Drummond et al., Eur J Immunol 2010

Dectin-2 Gene Expression is Elevated Across Most Solid Tumor Types

Potential market opportunity exceeds \$10 billion in initial target indications

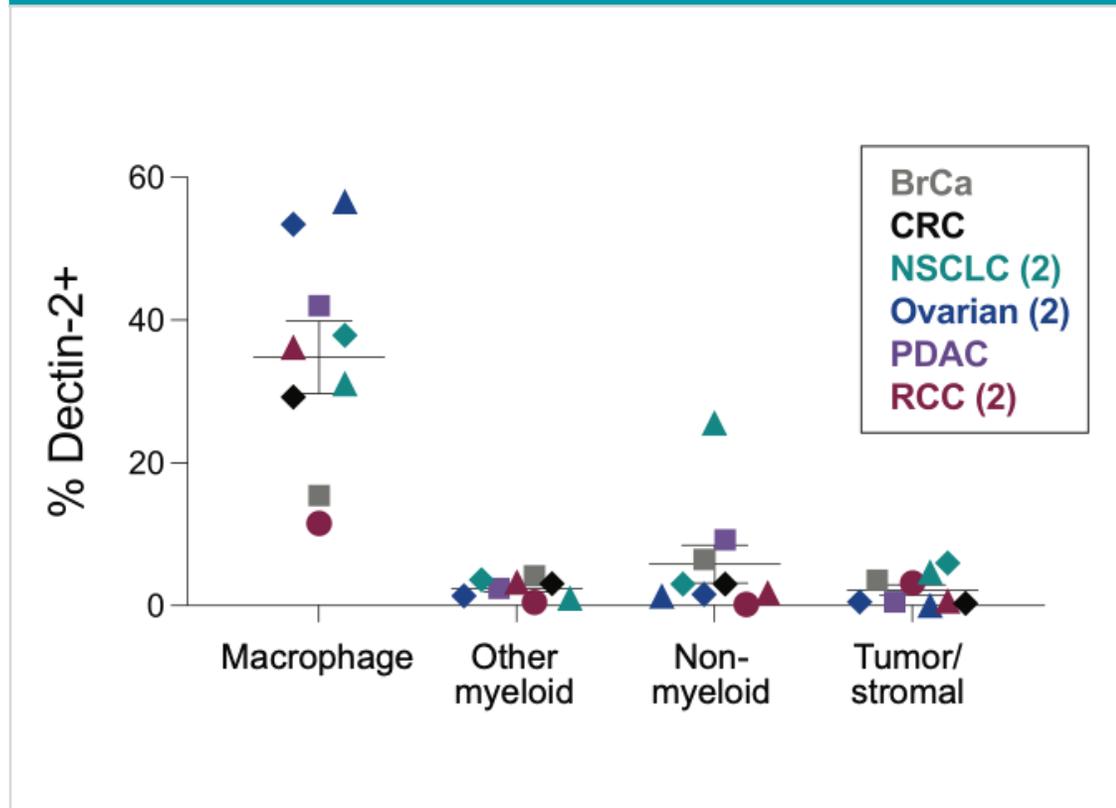
Dectin-2 (CLEC6A) Expression in Tumor vs. Normal Tissues



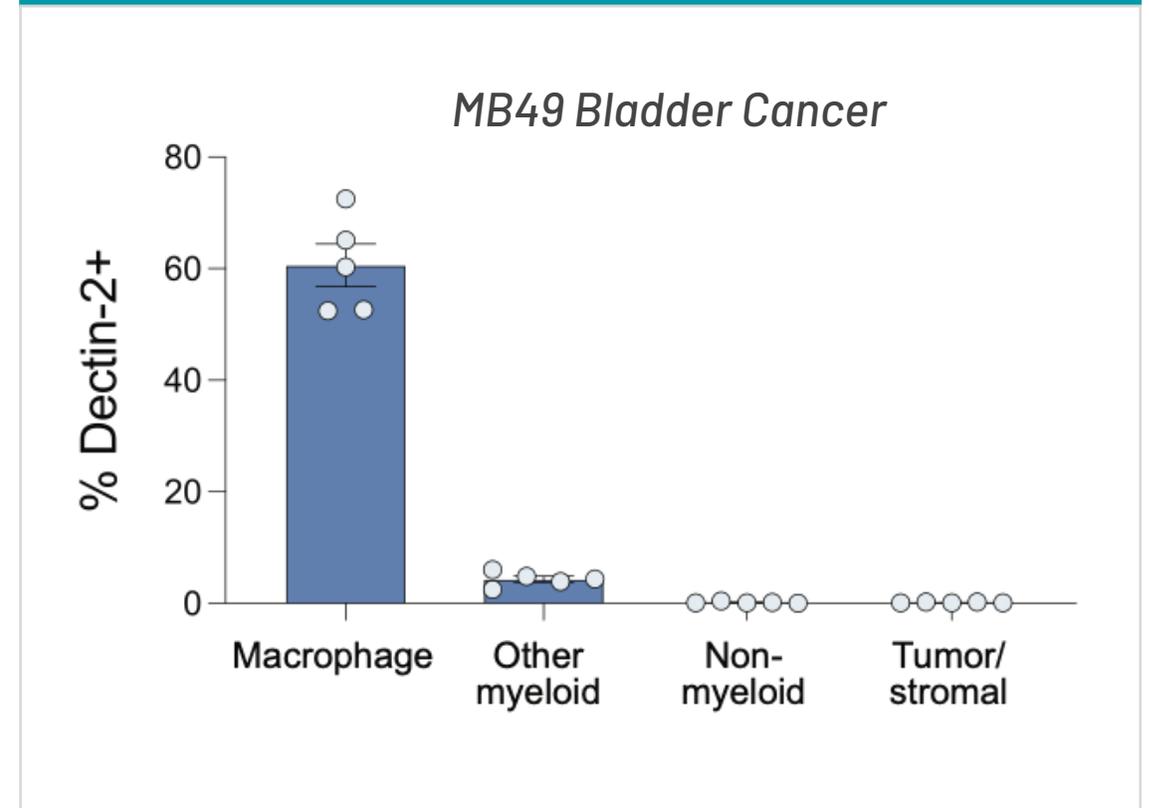
Dectin-2/CLEC6A mRNA expression in human tissue samples from the TCGA (tumor) and GTEX (normal) datasets (accessed Oct. 2019).
 Kenkel JA, et al. Cancer Research. 2023;83(suppl 7):2964.

Dectin-2 Is Selectively Expressed by Tumor-Associated Macrophages (TAMs)

Dectin-2 Expression in Human Tumors



Dectin-2 Expression in Syngeneic Mouse Model



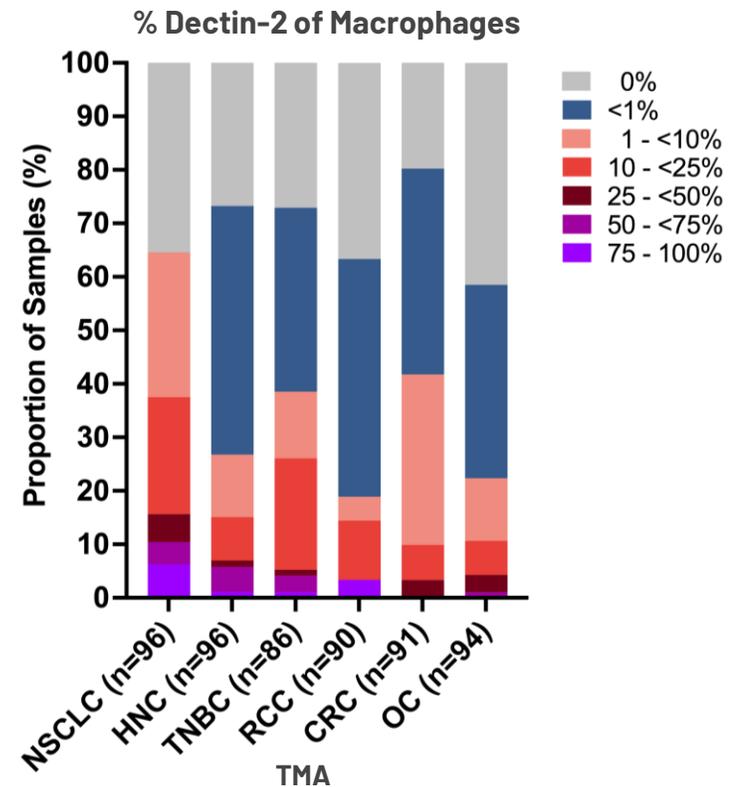
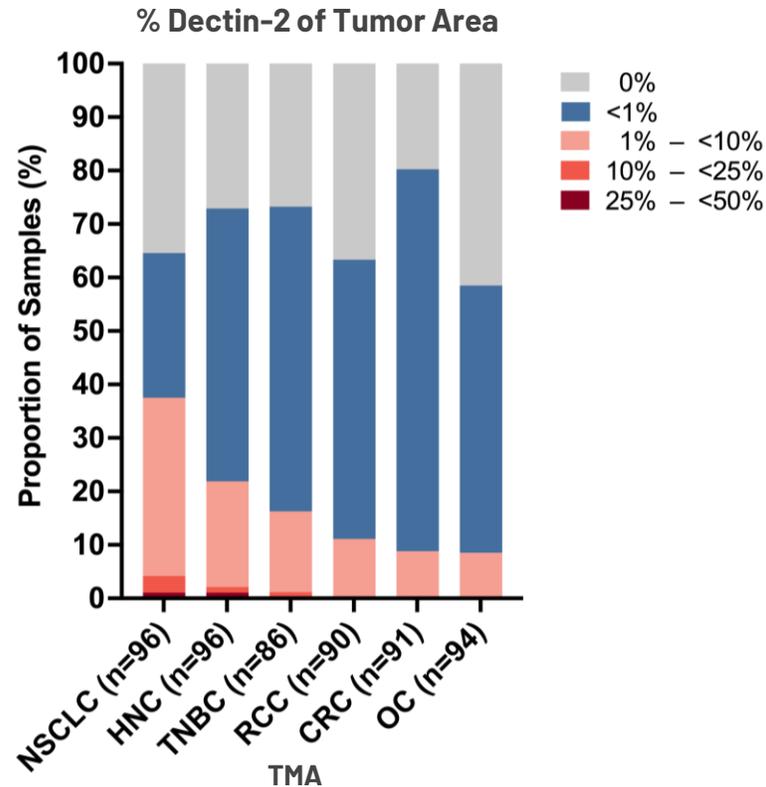
Kenkel JA, et al., SITC Poster (2021)

Human and murine tumor samples were processed into single cell suspensions and analyzed by flow cytometry. Dectin-2 expression on the indicated cell subsets was evaluated using commercially available anti-Dectin-2 antibodies.

Dectin-2 Expression Confirmed by IHC in NSCLC and Additional Tumor Types

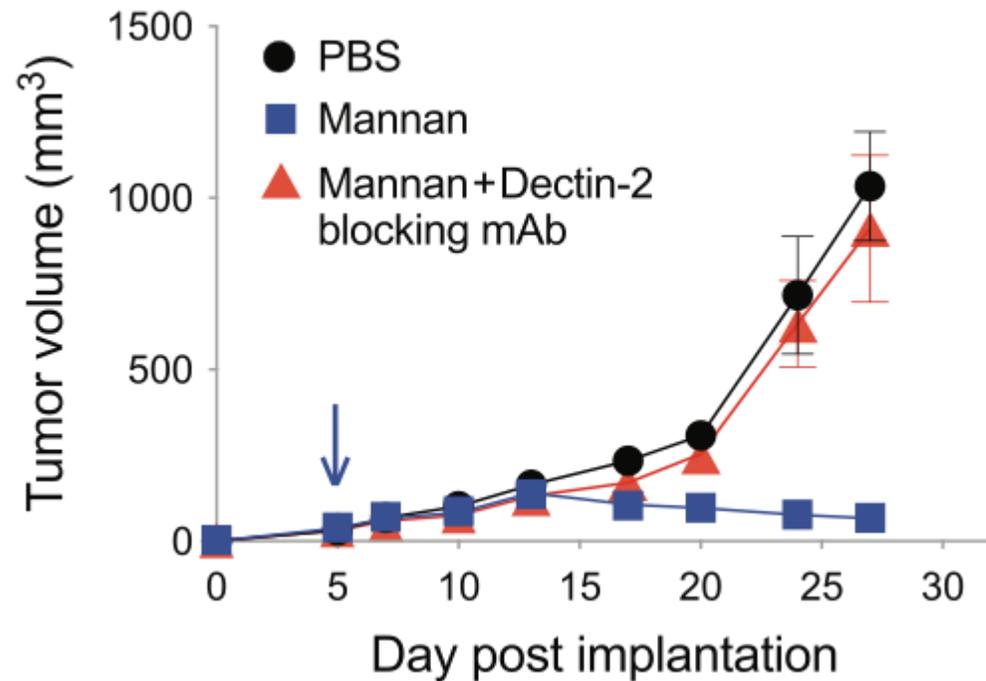
Dectin-2 IHC performed on whole tissue sections & tissue microarrays comprising over 600 samples

- Dectin-2 expression was observed in all whole tissue sections tested (n=137, ~20 samples per indication)
- TMAs have much smaller tissue area, often with limited stroma, and a subset lacked expression
- In NSCLC, ~40% of TMA samples and 50% of whole tissue sections had $\geq 1\%$ tumor area positive for Dectin-2

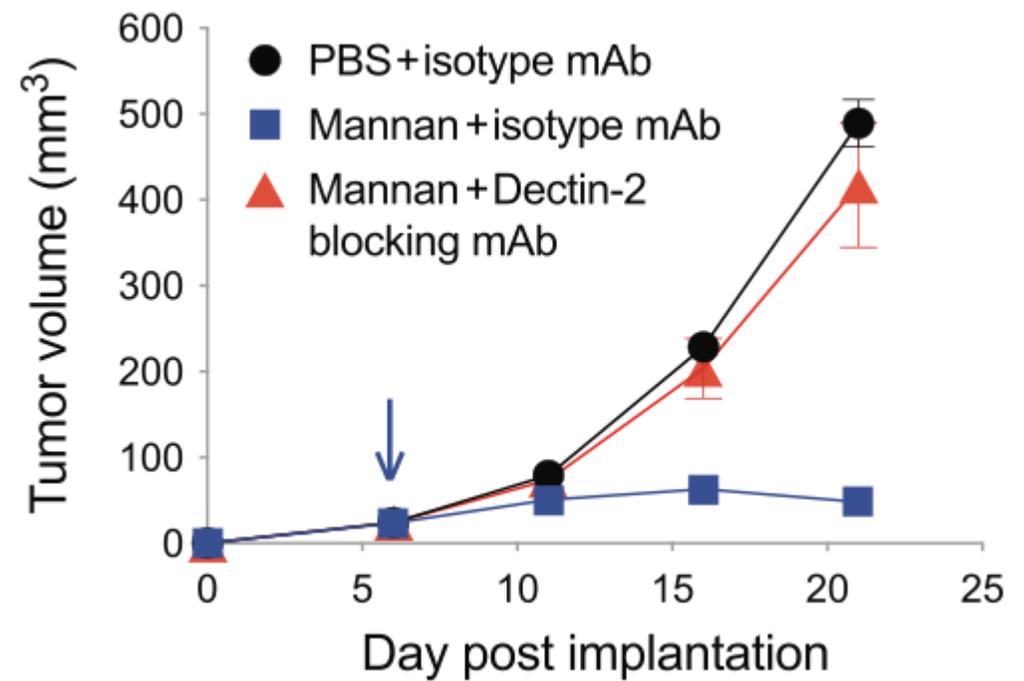


BDC-3042 Surrogate (Mannan) Elicits Tumor Regression in Multiple Syngeneic Models

MB49 Bladder Cancer



LMP Pancreatic Cancer

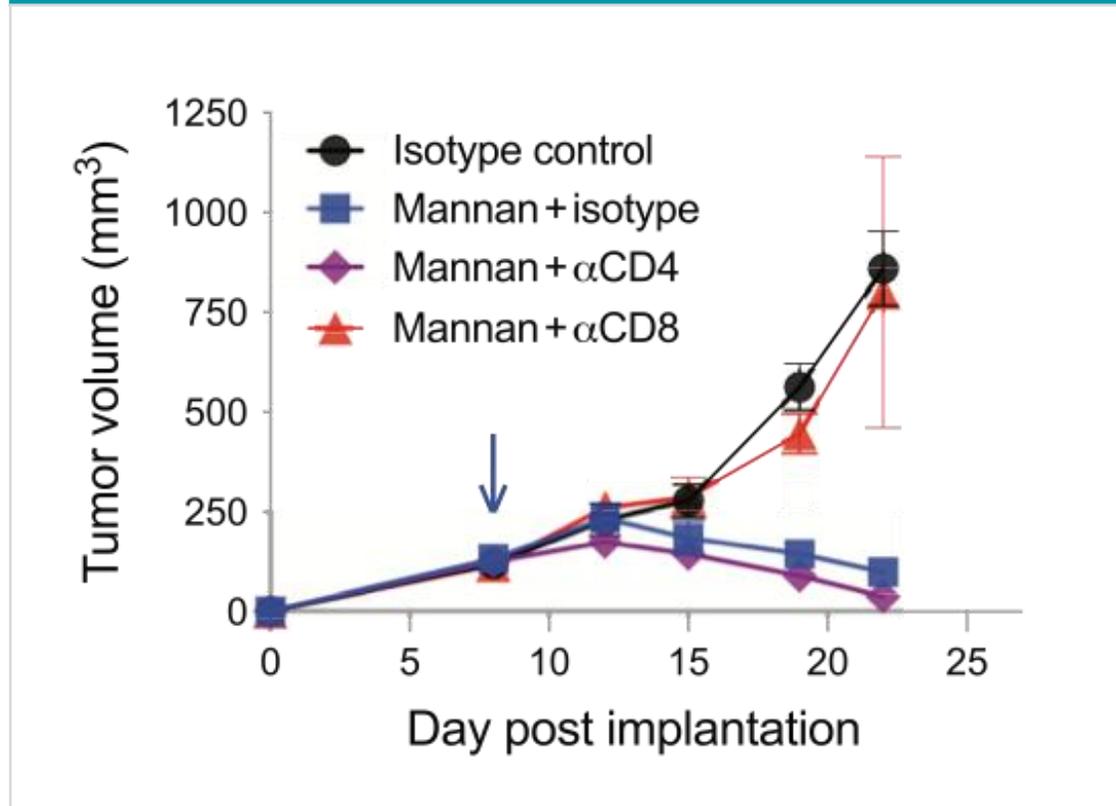


Kenkel JA, et al., SITC Poster (2021)

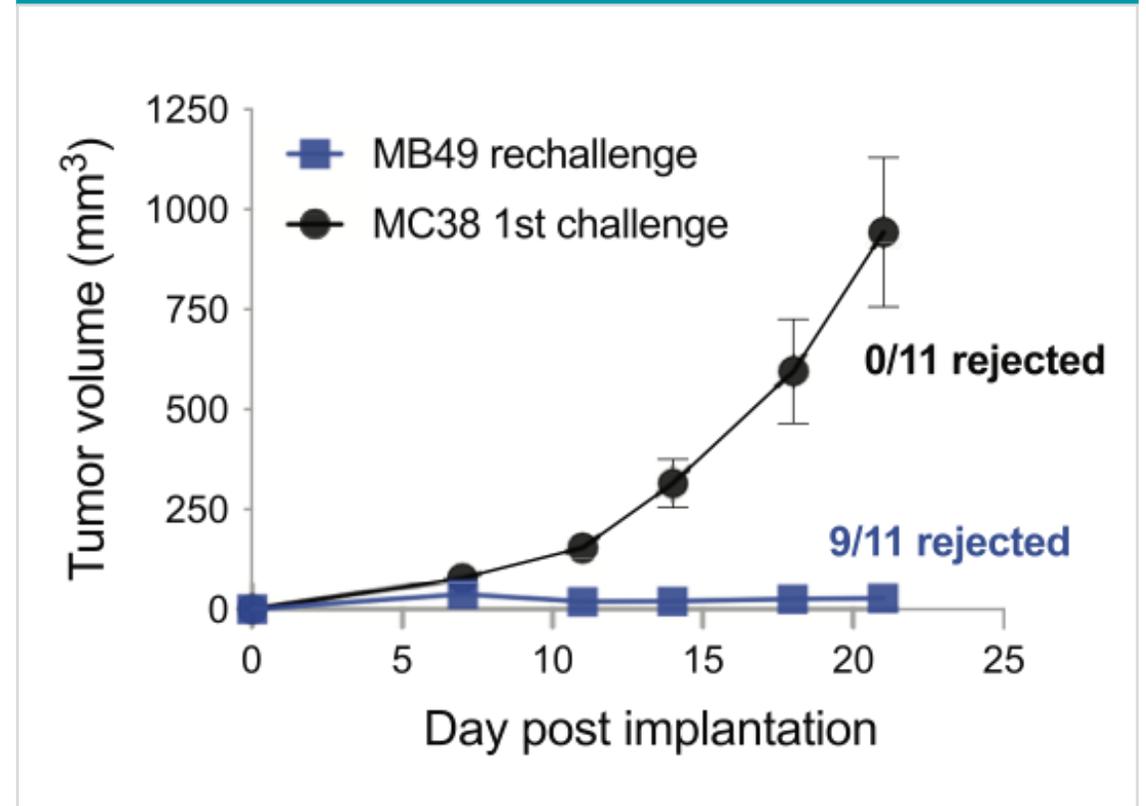
Tumor-bearing mice were treated systemically with surrogate Dectin-2 agonist (*S. cerevisiae* mannan; 12.5 mg/kg IV Q2D). Groups of mice were pretreated with Dectin-2 blocking or isotype control antibodies. Blue arrows indicate day of treatment initiation.

BDC-3042.S Elicits CD8⁺ T Cell-Dependent Antitumor Activity & Immunological Memory

MB49 T Cell Depletion Study



Tumor Rechallenge Study

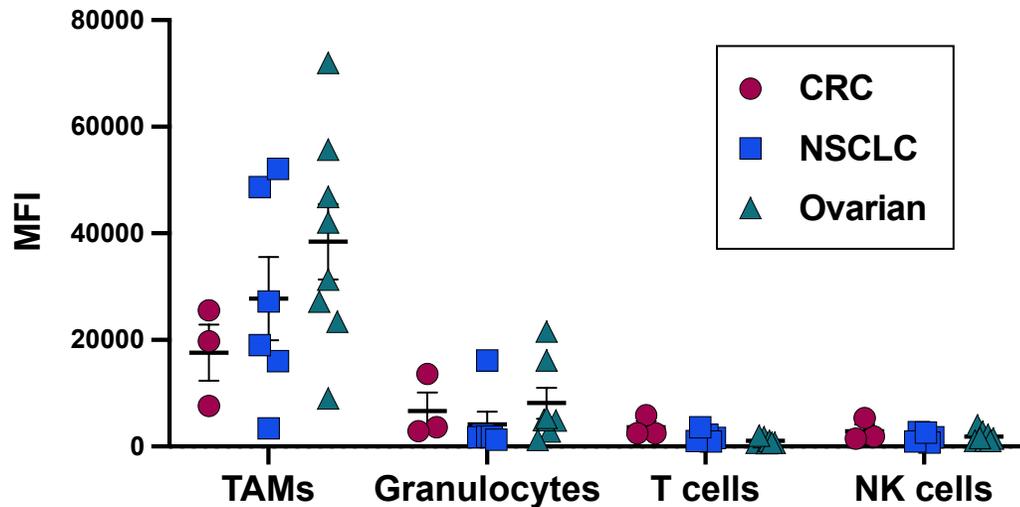


Kenkel JA, et al., SITC Poster (2021)

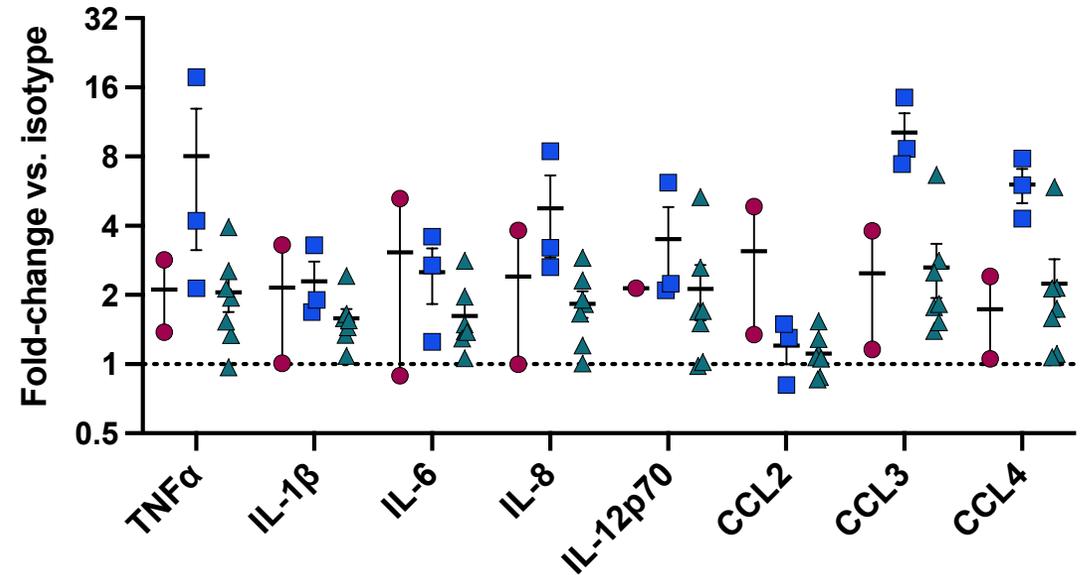
MB49 tumor-bearing mice were treated systemically with mannan plus T cell-depleting or isotype control antibodies. Mice that experienced complete tumor regression were rechallenged with MB49 and an unrelated tumor cell line (MC38) on opposite flanks.

BDC-3042 Binds to TAMs & Elicits Cytokine Responses from Human Tumor Samples

BDC-3042 Binding to Tumor-Infiltrating Leukocytes



BDC-3042 Mediated Cytokine/Chemokine Secretion

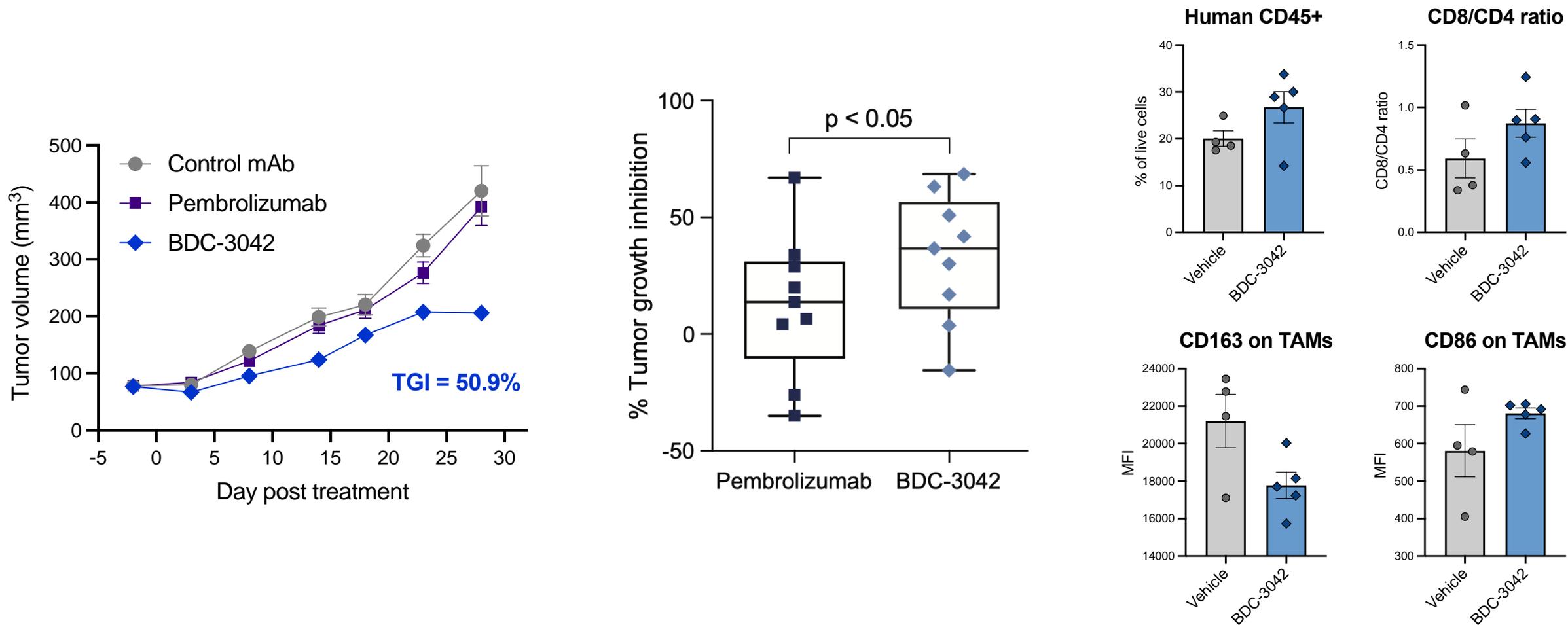


Kenkel JA, et al., AACR Poster (2023)

BDC-3042 binding to immune cell subsets from dissociated human tumor samples was assessed by flow cytometry. A subset of the samples were stimulated overnight with BDC-3042 or an isotype control mAb followed by cytokine analysis.

BDC-3042 Mediates Antitumor Activity in MDA-MB-231 Humanized Mouse Model

Greater Tumor Growth Inhibition with BDC-3042 vs. Pembrolizumab



Kenkel JA, et al., SITC Poster (2022)

(Left) huNOG-EXL mice from a single CD34+ HSC donor were implanted with bilateral MDA-MB-231 tumors (n=4-5 mice per group) and treated with the indicated test article at 1 mg/kg via IP administration (Q5D x 6). (Middle) Tumor growth inhibition (TGI) was calculated across 9 HSC donor cohorts for BDC-3042 or pembrolizumab as compared to an isotype control antibody. (Right) Tumors were analyzed by flow cytometry 48 hours after the second dose of vehicle or BDC-3042.



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BDC-3042 Phase 1 Clinical Results

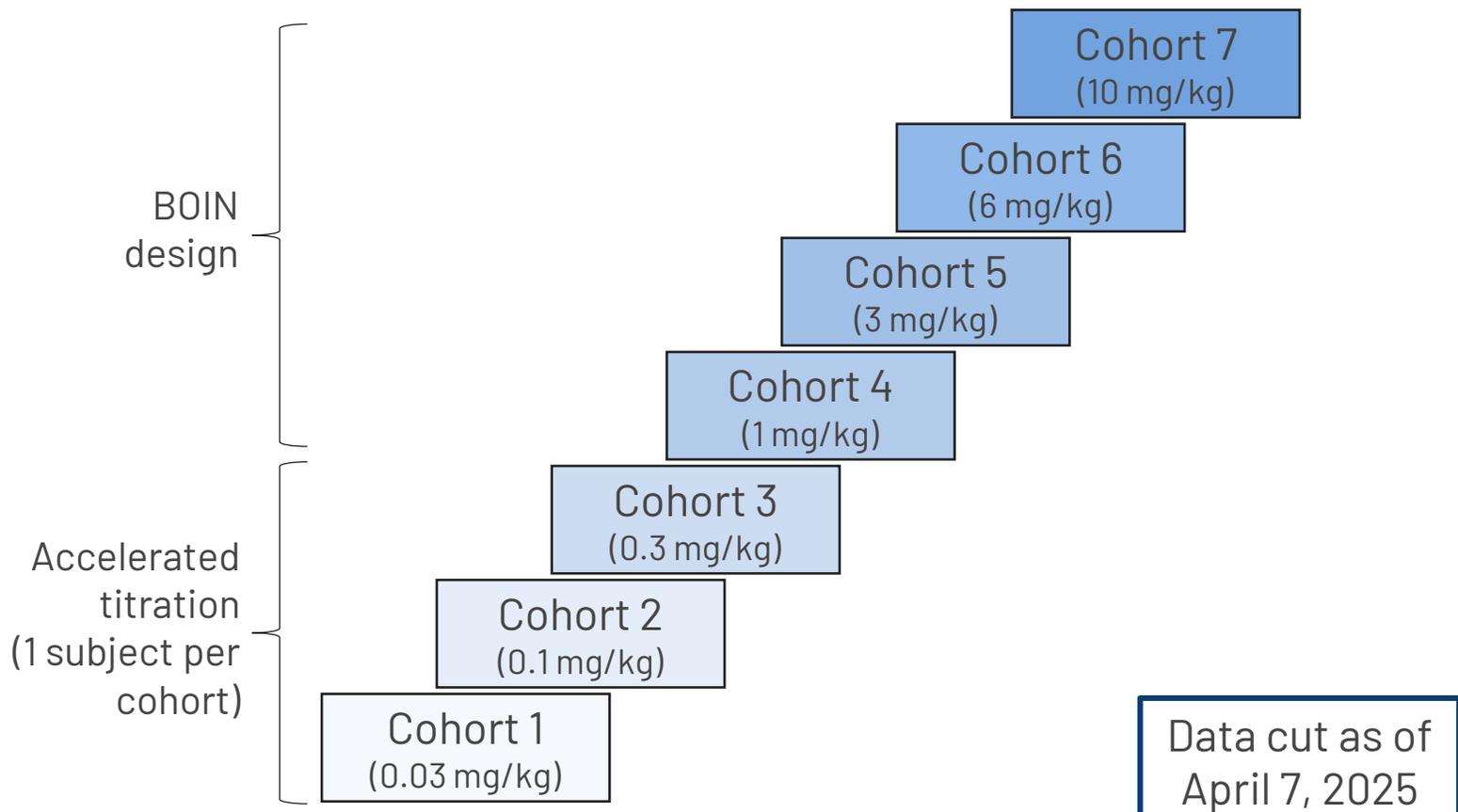
Ecaterina Dumbrava, M.D.

BDC-3042 Investigator

Associate Professor, Investigational Cancer Therapeutics
MD Anderson Cancer Center

BDC-3042 Phase 1 Clinical Trial in Various Solid Tumor Types

Dose Escalation Schema



Tumor Type	N (%)
CRC	8 (47%)
NSCLC	3 (18%)
ccRCC	2 (12%)
Ovarian	2 (12%)
Melanoma (Uveal)	1 (6%)
TNBC	1 (6%)
H&N	0 (0%)

Enrolled Subjects	17
Subjects on Treatment	2 (NSCLC)

Demographics

Heterogeneous & heavily pretreated population (n=17) including 8 CRC patients

	Cohort 1 0.03 mg/kg N=1	Cohort 2 0.1 mg/kg N=1	Cohort 3 0.3 mg/kg N=1	Cohort 4 1 mg/kg N=4	Cohort 5 3 mg/kg N=4	Cohort 6 6 mg/kg N=3	Cohort 7 10 mg/kg N=3	Total N=17
Mean age, years (range)	61.0 (61, 61)	53.0 (53, 53)	78.0 (78, 78)	62.0 (52, 83)	55.8 (51, 63)	68.7 (59, 75)	68.0 (65, 72)	63.1 (51, 83)
Sex, n (%)								
Female	0	1 (100%)	1 (100%)	2 (50%)	1 (25%)	1 (33.3%)	2 (66.7%)	8 (47.1%)
Male	1 (100%)	0	0	2 (50%)	3 (75%)	2 (66.7%)	1 (33.3%)	9 (52.9%)
Prior lines of therapies, Mean (range)	5 (5, 5)	2 (2, 2)	4 (4, 4)	4.8 (3, 8)	3.3 (2, 5)	6.0 (4, 8)	4 (4, 4)	4.3 (2, 8)
Prior immune therapy, n (%)	0 (0%)	0 (0%)	1 (100%)	1 (25%)	0 (0%)	2 (66.7%)	3 (100%)	7 (41.2%)
Tumor types, n (%):								
Colorectal	1 (100%)	1 (100%)	0 (0%)	2 (50%)	3 (75%)	1 (33.3%)	0 (0%)	8 (47.1%)
NSCLC	0 (0%)	0 (0%)	1 (100%)	0 (0%)	0 (0%)	0 (0%)	2 (66.7%)	3 (17.6%)
Ovarian	0 (0%)	0 (0%)	0 (0%)	1 (25%)	1 (25%)	1 (33.3%)	0 (0%)	2 (11.8%)
ccRCC	0 (0%)	0 (0%)	0 (0%)	1 (25%)	0 (0%)	1 (33.3%)	0 (0%)	2 (11.8%)
TNBC	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (5.9%)
Uveal	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1 (33.3%)	1 (5.9%)
Melanoma								

Safety Summary

BDC-3042 has been well tolerated up to 10 mg/kg q2w

- No DLTs observed up to 10 mg/kg q2w
- No drug-related SAEs
- No grade 4 or 5 drug-related AEs
- One drug-related infusion related reaction (grade 1)
- Most frequent drug-related AEs were fatigue (12%), flatulence (12%), and nausea (12%)
- No drug-related treatment discontinuations
- No overarching trends identified in safety profile

Well tolerated at all doses, supporting combination strategies

Summary of Treatment-Related TEAEs

	Cohort 1 0.03 mg/kg N=1	Cohort 2 0.1 mg/kg N=1	Cohort 3 0.3 mg/kg N=1	Cohort 4 1 mg/kg N=4	Cohort 5 3 mg/kg N=4	Cohort 6 6 mg/kg N=3	Cohort 7 10 mg/kg N=3	Total N=17
All grades (%)	0	1(100%)	1(100%)	2(50%)	2(50%)	1(33.3%)	1(33.3%)	8(47.1%)
Grade ≥ 3 (%)	0	0	0	2(50%)	0	0	0	2(11.8 %)
Serious adverse events (%)	0	0	0	0	0	0	0	0
Leading to treatment discontinuation	0	0	0	0	0	0	0	0
Leading to treatment interruption	0	0	0	0	0	0	0	0
Leading to death	0	0	0	0	0	0	0	0

Related Grade 3 TEAEs: increased amylase/lipase and muscle weakness (Cohort 4)

BDC-3042 Elicits Dose-Dependent Increases in Cytokines & Chemokines

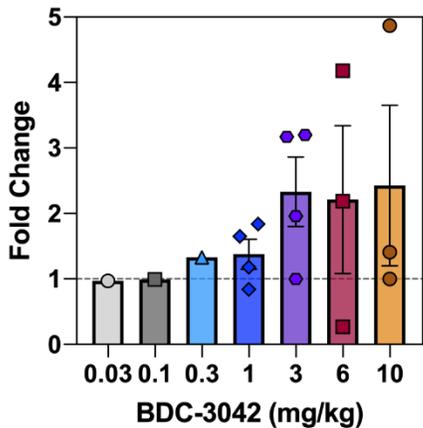
BDC-3042 induces dose-dependent increases in proinflammatory cytokines & chemokines

- Peripheral cytokine response is consistent with preclinical studies and suggests activation of both myeloid cells (IL-6, TNF α , MIPs) and T/NK cells (IFN γ)

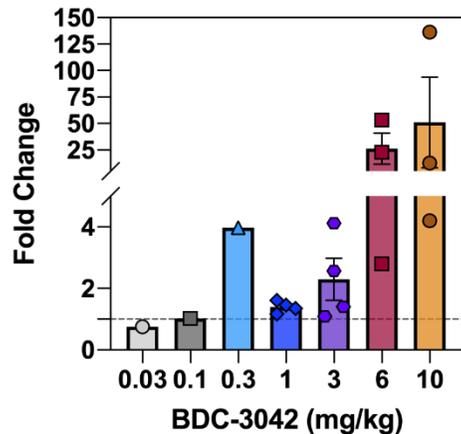
Cytokines

Chemokines

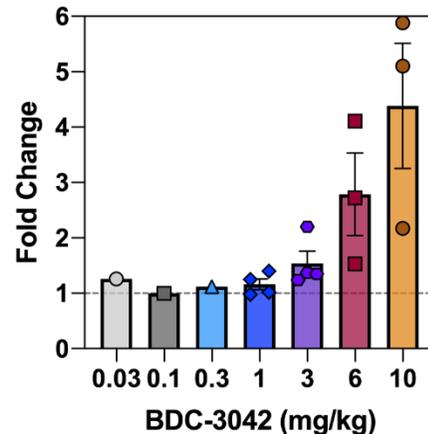
IFN γ



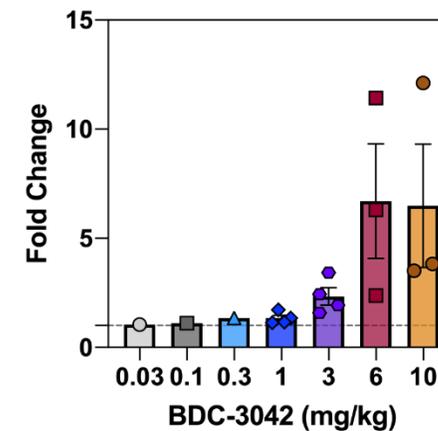
IL-6



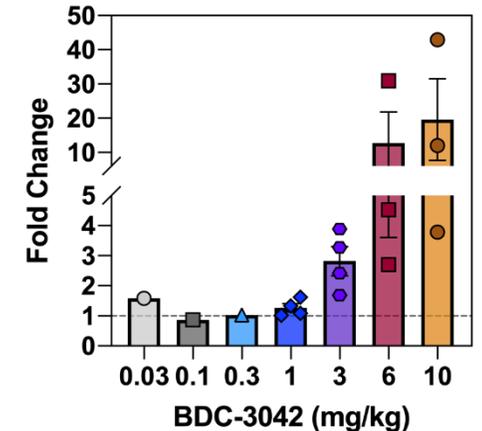
TNF α



MIP-1 α



MIP-3 α



Serum Cytokines & Chemokines Post 1st Dose

Biomarker Responses in Clinical Trial Consistent with Preclinical Models

Comparison of Biomarkers Associated with Efficacy in Preclinical Models

BDC-3042 elicits cytokine response similar to profile associated with efficacy in preclinical models

- Doses of 3 mg/kg and above induce cytokine levels comparable to those seen in preclinical studies

		Biomarker	Preclinical ¹		BDC-3042 FIH Trial ⁴				
			Syngeneic Mouse Model ²	Humanized Mouse Model ³	0.3 mg/kg (n = 1)	1 mg/kg (n = 4)	3 mg/kg (n = 4)	6 mg/kg (n = 3)	10 mg/kg (n = 3)
Myeloid Activation & Leukocyte Recruitment	Cytokines	IL-6	11.3x	2.9x	4.0x	1.4x	2.3x	26.4x	51.1x
		TNF α	1.9x	1.2x	1.1x	1.2x	1.5x	2.8x	4.4x
	Chemokines	CCL3 (MIP-1 α)	~4x	1.7x	1.3x	1.3x	2.3x	6.7x	6.5x
		CCL4 (MIP-1 β)	4.9x	1.8x	1.1x	1.1x	1.8x	4.3x	5.9x
T/NK Cell Activation	Cytokines	IFN γ	1.8x	2.1x	1.3x	1.4x	2.3x	2.2x	2.4x

¹Fold-change calculated using group average biomarker levels with BDC-3042 or surrogate agonist relative to vehicle at same time point. ²MB49 tumor-bearing mice (murine bladder cancer cell line) treated with surrogate Dectin-2 agonist mannan (10 mg/kg; response at 3h post 1st dose, or post 3rd dose for IFN γ). ³CD34+ HSC-engrafted humanized mice (n=5/group) derived from an efficacy responsive donor bearing MDA-MB-231 TNBC tumors (treated with vehicle or BDC-3042 at 0.3 mg/kg; response at 6h post 1st dose, or 24h post 3rd dose for IFN γ). ⁴Fold-change in biomarker levels 4h (or 1d for IFN γ) following 1st dose of BDC-3042 calculated relative to baseline values in each subject. Group averages are shown for multi-subject cohorts.

Favorable PK Profile Conducive to Q2W, Q3W, or Q4W Dosing

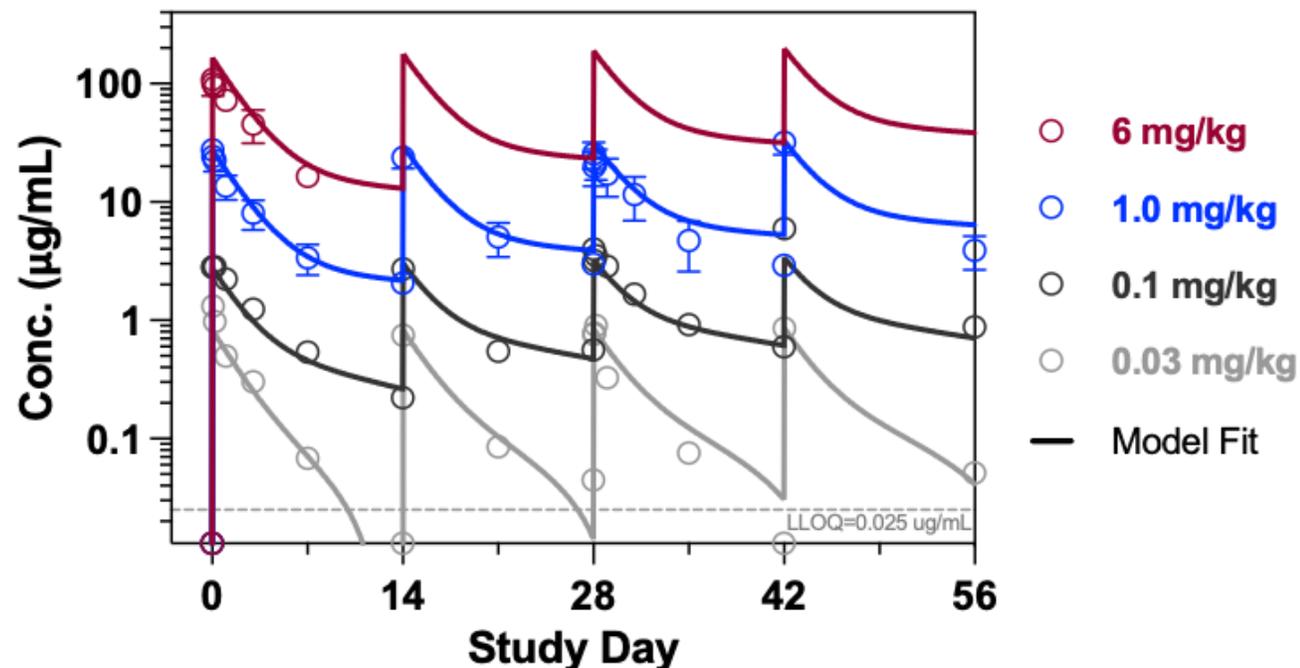
Typical mAb PK characteristics

- Clearance in linear dose range: 4.4 mL/day/kg
- Half-life in linear dose range: 20 days

Drug accumulation at ≥ 0.1 mg/kg Q2W

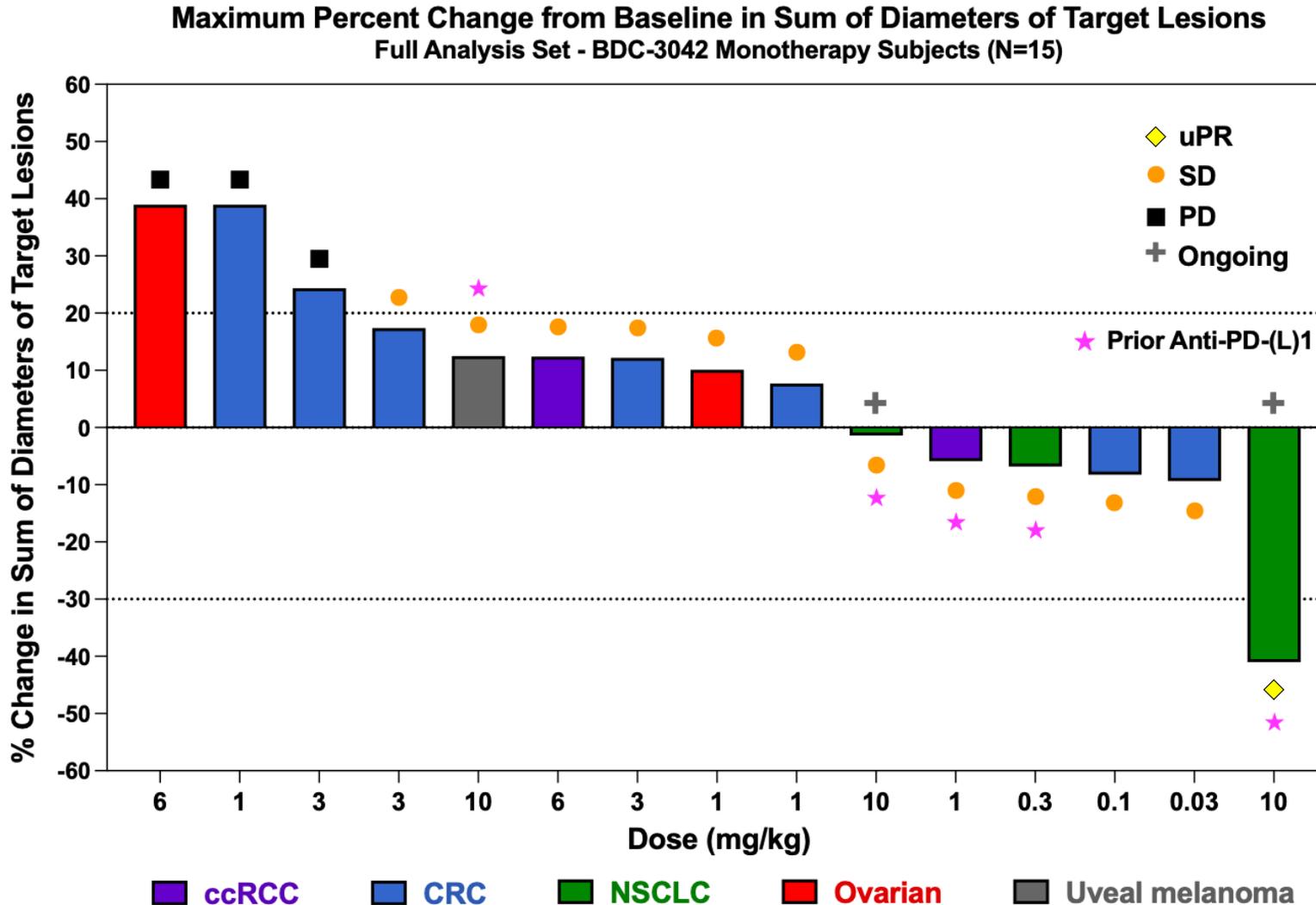
No evidence of ADA formation to date

BDC-3042 PK in Patients



* All data from the 7 cohorts were analyzed by compartmental modeling simultaneously; selected cohorts are shown here for visual clarity

Promising Signs of Efficacy in NSCLC and Post PD-(L)1 Patients



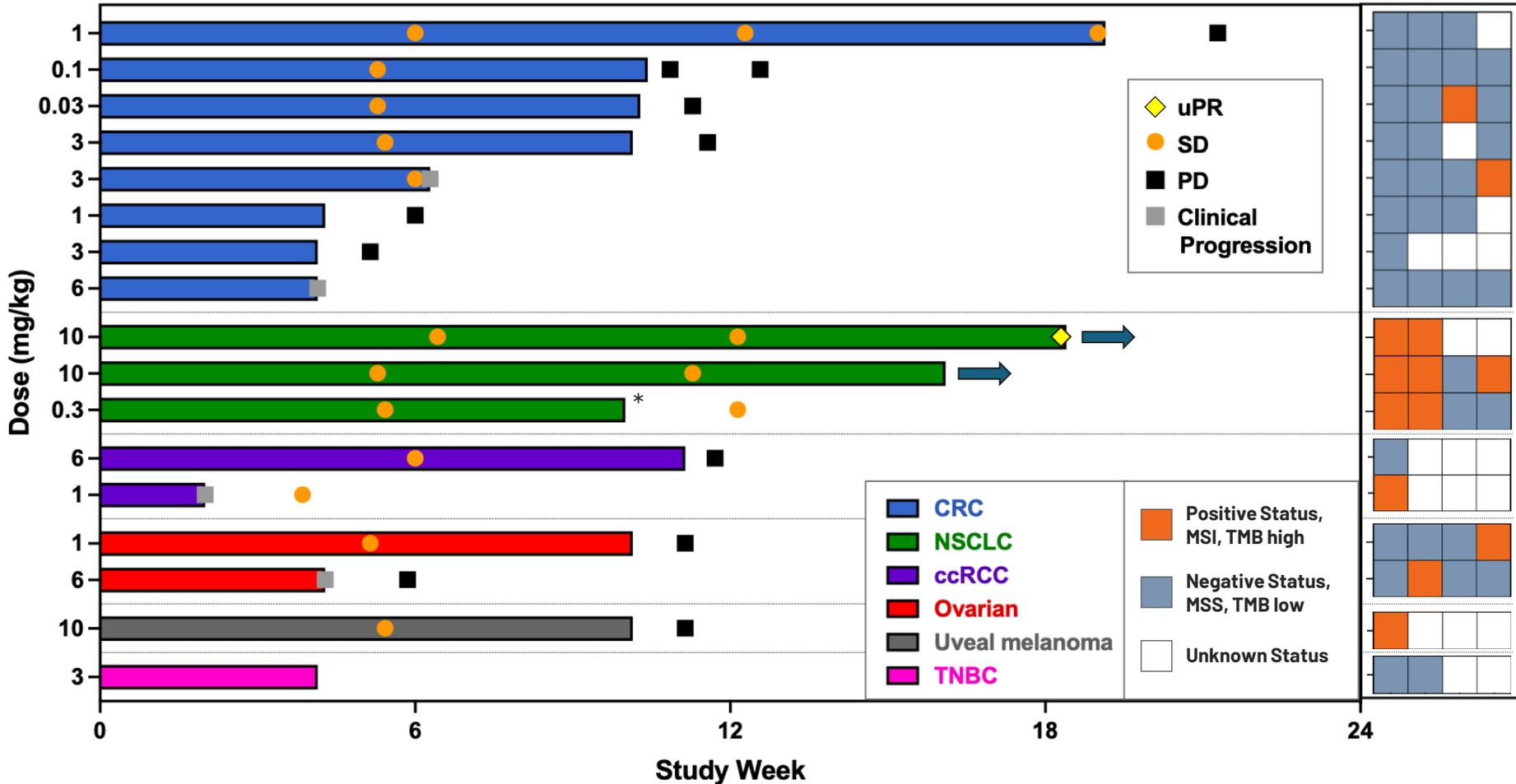
- 3/3 (100%) NSCLC patients had a uPR or SD with some reduction in tumor size
- 4/5 (80%) patients previously treated with PD-(L)1 blockers showed reduction in tumor size¹
- 12 out of 15 (80%) evaluable patients had SD or better as their best response²
- 2/3 patients at 10 mg/kg show tumor reduction and remain on study

¹Treatment with anti-PD-(L)1 agent within 12 months of enrollment

²Two patients were not evaluable (off study prior to initial scan)

Emerging Signs of Disease Control in NSCLC Patients

Duration of Treatment and Tumor Response Status
Safety Analysis Set - BDC-3042 Monotherapy Subjects (N=17)



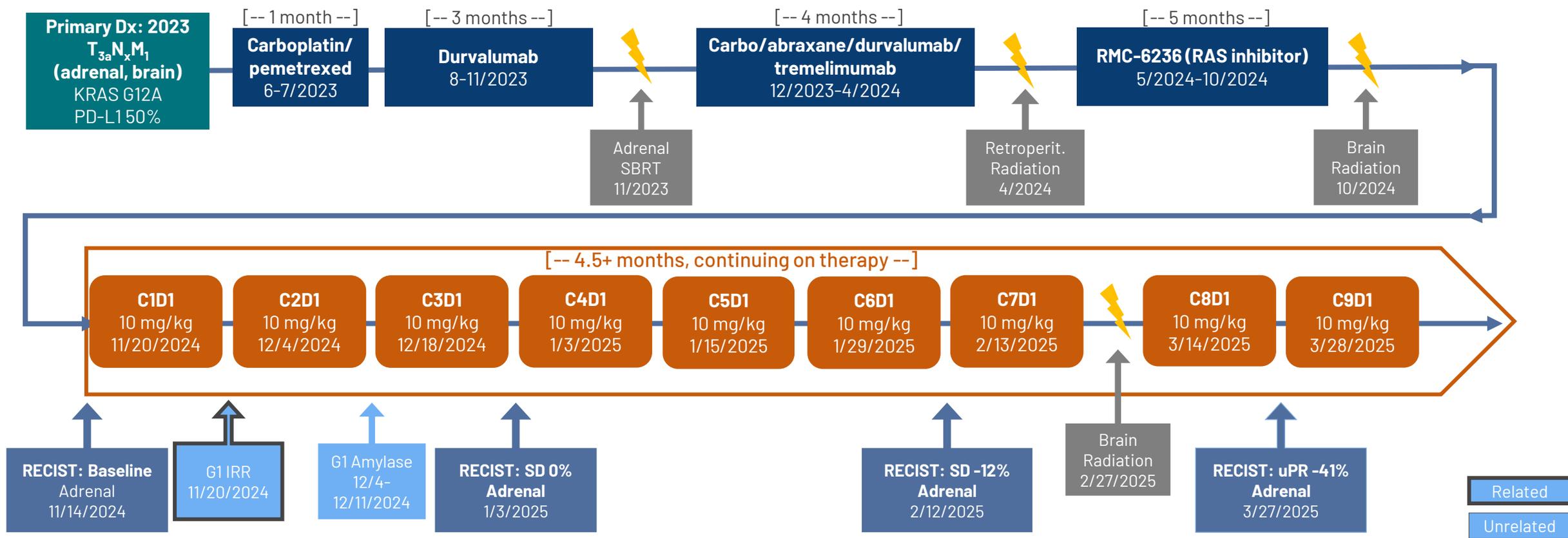
- 5/6 CRC pts with data available were MSS
- All NSCLC pts had multiple (≥ 2) prior lines of α PD-(L)1 therapy

#Prior tx with anti-PD-(L)1 within 12 mo
*0.3 mg/kg NSCLC pt had SD @ 12 wks but came off treatment due to unrelated AE



Just Confirmed PR in Patient with uPR at the time of the AACR Poster

Cohort 7 (10.0 mg/kg), NSCLC, Continuing BDC-3042 Therapy



BDC-3042 Monotherapy Dose-Escalation Results Summary

Well Tolerated with Promising Signs of Efficacy

Well tolerated up to 10 mg/kg Q2W

- Across all dose levels in a heterogeneous and heavily pretreated population
- Potential for combination with a broad range of therapies

Early clinical support for Mechanism of Action

- Demonstration of target engagement
- Peripheral biomarker responses indicative of innate and adaptive immune activation
- Dose-dependent cytokine responses & modulation of immune populations consistent with preclinical studies

Favorable PK profile

- Opportunity for more convenient dosing—less frequent and aligned with combination agents
- Potential for enhanced PD/efficacy with alternative regimens

Promising signs of efficacy in NSCLC and post-immunotherapy setting

- PR (unconfirmed) in 1 of 3 NSCLC patients (-41% at 18 wks)
- Signs of disease control (SD \geq 12 wks) in 3 of 3 NSCLC patients
- Both NSCLC patients in 10 mg/kg cohort remain on study (>16 wks)
- Tumor reductions in 3/3 NSCLC pts, and 4/5 pts post anti-PD-(L)1 therapy



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BDC-3042 Partnering

Grant Yonehiro

Chief Business Officer

BDC-3042 Partnering

Seek partner to rapidly development and optimize commercialization of BDC-3042

- Open to various structures to maximize value to both parties

Partnering packet sent to prospective partners with AACR disclosure (April 25)

Confidential & non-confidential discussions ongoing

Non-binding term sheet requested by June 6

- Submit via email to gyonehiro@boltbio.com & lvitez@boltbio.com

First-in-Class/Only-in-class Partnering Opportunity



Phase 1 Dectin-2 Agonist Antibody Oncology Partnering Opportunity
First-in-Class/Only-in-Class Agent with Monotherapy Clinical Activity and Good Safety Profile

April 25, 2025

To Whom It May Concern:

We are launching an initiative to partner our clinical dectin-2 agonist antibody, BDC-3042, with dose escalation enrollment recently completed. Clinical activity, dose-dependent pharmacodynamic effects, and a clean safety profile were observed in our monotherapy first in human study. Data on BDC-3042 support substantial value across a range of potential indications, especially in the post-immunotherapy setting where 4 of 5 patients experienced tumor reductions including a NSCLC patient treated at 10 mg/kg with a 41% tumor reduction (patient remains on therapy as of today, April 25th). The clean safety profile and encouraging activity provide an attractive basis for combination of BDC-3042 with other oncology agents. Further information on this program is attached, and the results to date in the first-in-human dose escalation study will be presented at AACR on April 29th. We request that all interested parties submit a non-binding term sheet to gyonehiro@boltbio.com and lvitez@boltbio.com by June 6th to be considered.

The BDC-3042 First-in-Class/Only-in-Class Opportunity

BDC-3042 is a first-in-class dectin-2 agonist antibody. To our knowledge, it is the only drug program targeting dectin-2, presenting a unique opportunity during this era of "target herding." Dectin-2 is selectively expressed by tumor-associated macrophages (TAM) in most solid tumors and is further upregulated in the tumor microenvironment by anti-PD-1 therapy. Agonizing dectin-2 converts TAMs from tumor-supportive to tumor-destructive, eliciting an anti-tumor response.

Preclinical studies demonstrated compelling anti-tumor activity in multiple settings. Complete responses with immunological memory were demonstrated in syngeneic tumor models using a mouse surrogate dectin-2 agonist (BDC-3042.S). Combination of dectin-2 agonism and PD-(L)1 blockade dramatically improved the anti-tumor activity of either molecule as a single agent. BDC-3042 demonstrated greater anti-tumor efficacy than pembrolizumab in a humanized mouse model where pembrolizumab had published efficacy data. BDC-3042 also potentially activated human TAMs that had been dissociated from a range of different human tumors including NSCLC, CRC, breast cancer, ovarian cancer, renal cell carcinoma and pancreatic cancer.

We completed enrollment of a Phase 1 monotherapy dose escalation study, enrolling seventeen patients with six different tumor types and a median of four prior lines of therapy across seven dose cohorts (0.03, 0.1, 0.3, 1, 3, 6, and 10 mg/kg). Key findings (as of the April 7, 2025 data cut date) were:

- Partial Response (unconfirmed) in 1 of 3 NSCLC patients (-41% at 18 weeks) who remains on study
- Tumor reductions in 3/3 NSCLC patients with signs of disease control (SD \geq 12 weeks) in all 3 patients

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BDC-4182 Update

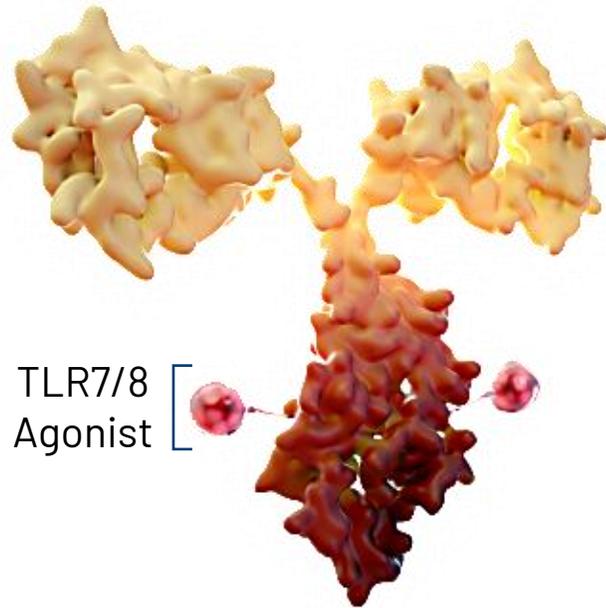
Jakob Dupont, M.D.

Senior Clinical Advisor & Director

BDC-4182: Claudin 18.2 Boltbody™ ISAC Program

BDC-4182

Claudin 18.2 mAb



Opportunity

- Claudin 18.2 is a clinically validated target with a multi-billion-dollar market opportunity
- BDC-4182 success would validate next-generation ISAC platform

Best-in-Class Target Product Profile

- Expands the market to include tumors with lower antigen expression
- Superior efficacy to AZD0901 & TOP1-based ADCs in syngeneic models
- Curative potential (demonstrated durable immunological memory with epitope spreading)
- Safe to combine (toxicology profile and MoA support the ability to combine with SoC)

Key Updates

- Trial open for enrollment

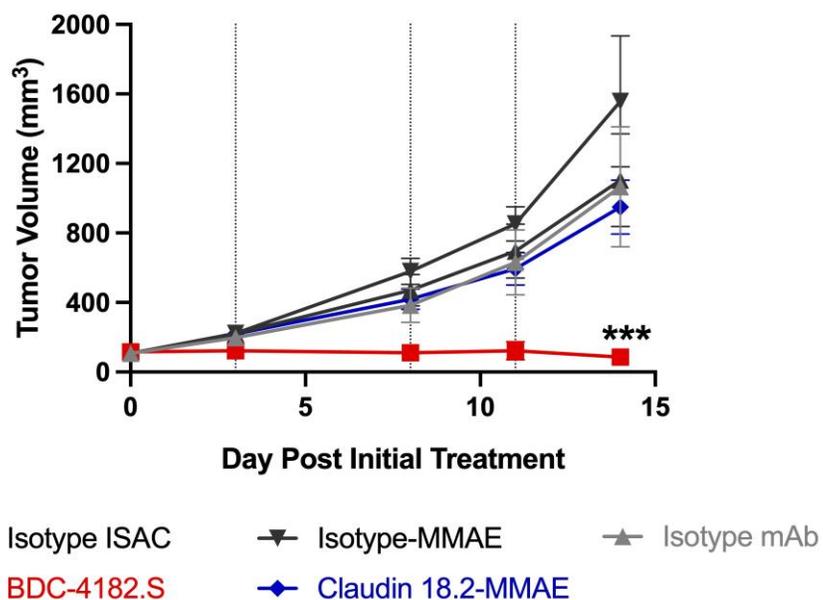
On Track for Key Inflection Points

- 2Q 2025 – Expect first patient to be treated this quarter
- 1H 2026 – Expect preliminary efficacy evaluation from dose escalation study

BDC-4182 Activity Superior to MMAE and TOP01 ADCs in IHC1+ Syngeneic Model

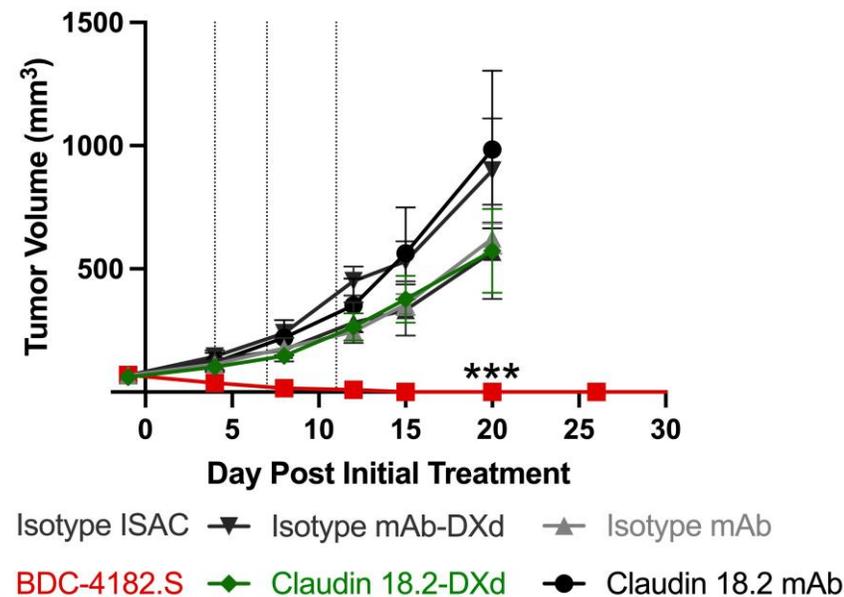
Superior to MMAE ADC

Limited ADC Efficacy in IHC1+ Model



Superior to TOP01 (DXd) ADC

Limited ADC Efficacy in IHC1+ Model

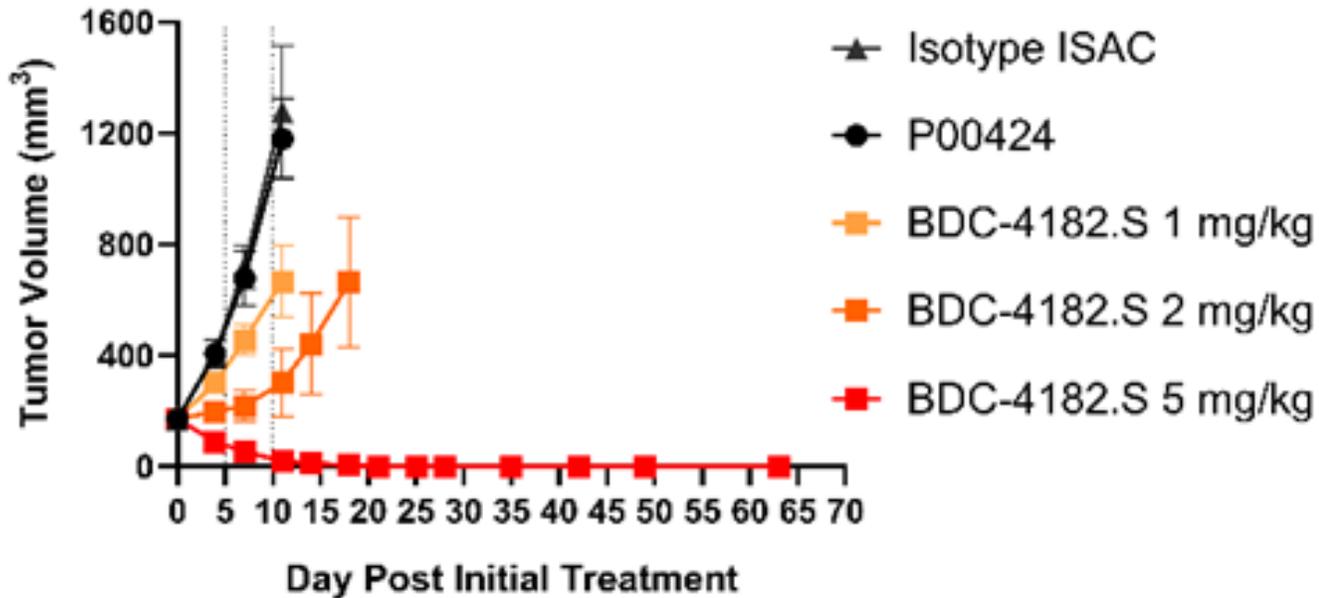


Adapted from Fu CL et al., SITC 2024

BDC-4182 Has Curative Potential

BDC-4182.S Induces Immunological Memory and Epitope Spreading

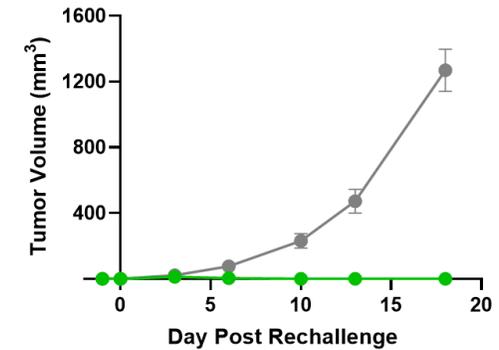
MC-38-mCLDN18.2 (IHC 1+)



Immunological Memory

MC38 tumor expressing Claudin 18.2 (IHC 1+)

T cells Prevent Tumor Regrowth

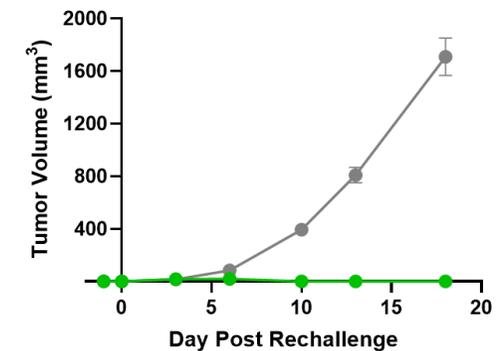


- T cell depletion
- No T cell depletion

Epitope Spreading

MC38 tumor lacking Claudin 18.2 expression

Claudin 18.2 Expression Not Required

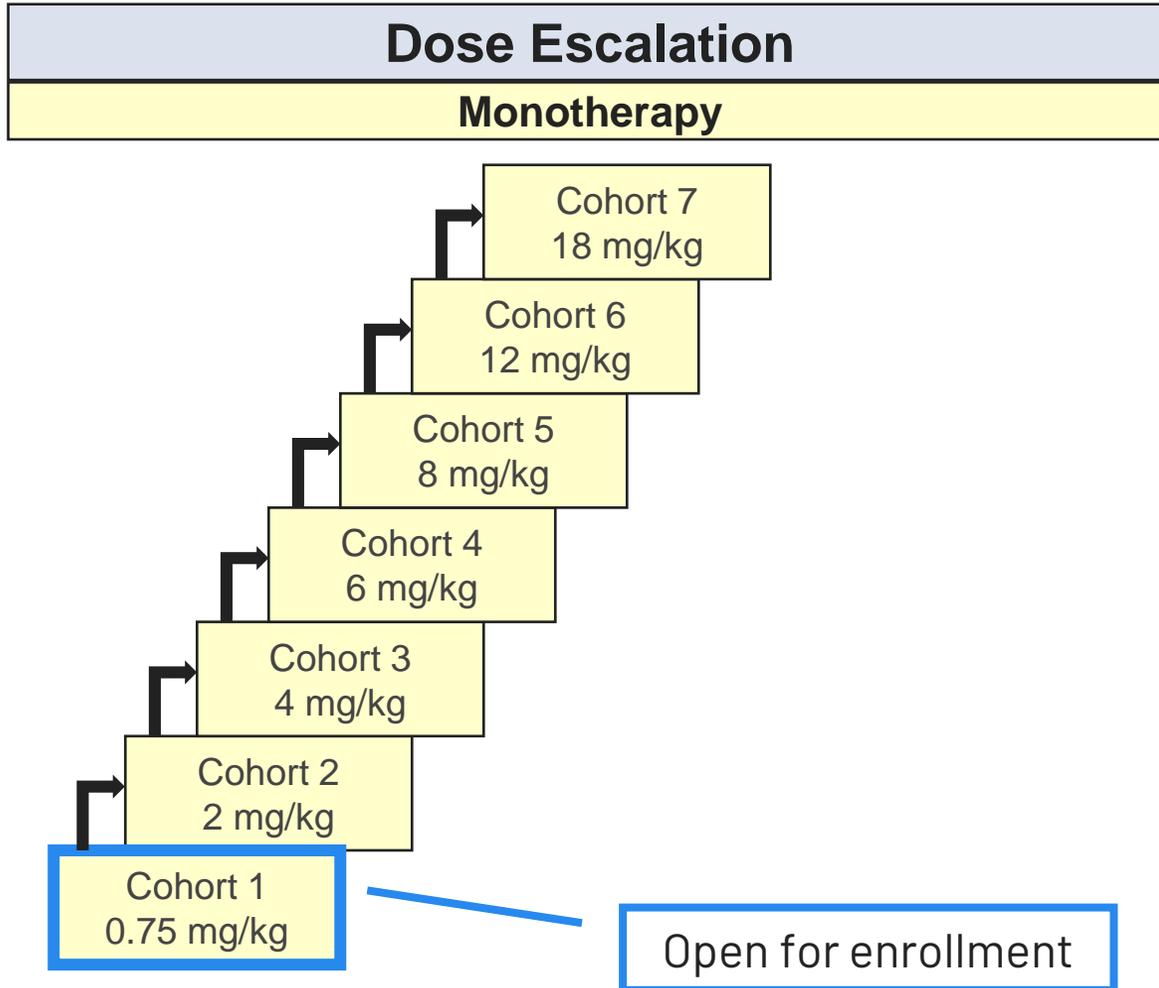


- T cell depletion
- No T cell depletion

Adapted from Kim SITC 2023

C57BL/6 mice bearing MC38-mCLDN18.2 tumors were treated via IP injection with the indicated test articles every fifth day for a total of three doses (q5dx3)(dashed lines) at the indicated dose levels. Mice with no detectable tumor following treatment with BDC-4182.S were observed for 26 days to ensure no regrowth occurred. These mice (N=4) were rechallenged with MC38 cells expressing CLDN18.2 (75K molecules/cell) or parental MC38 with or without T cell depletion.

BDC-4182 Clinical Trial Design



Recruiting

A First-in-Human Study Using BDC-4182 as a Single Agent in Advanced Gastric and Gastroesophageal Cancer

ClinicalTrials.gov ID NCT06921837

Sponsor Bolt Biotherapeutics, Inc.

- Initial sites are in Australia
- Enrolling patients with claudin 18.2-expressing tumors



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Conclusion

Willie Quinn

President & CEO

Focused Oncology Pipeline

Portfolio of proprietary and partner-funded programs addressing significant unmet needs

Program (Target)	Indications	Preclinical	Phase 1	Phase 2	Phase 3	Upcoming Milestones
BDC-3042 (Dectin-2 agonist mAb)	Non-small Cell Lung Cancer & Other Solid Tumors	Dose-escalation study Partnering				Partner selection
BDC-4182 (Claudin 18.2 ISAC)	Gastric Cancer	Open for enrollment				First patient enrolled 2Q 2025
CEA ISAC	Colorectal Cancer, Non-small Cell Lung Cancer	Lead selected				
PD-L1 ISAC	Solid Tumors Resistant to Checkpoint Inhibitors					

Boltbody™ ISAC Collaborations

 Genmab	Funds 3 bispecific Boltbody ISACs through early clinical development
 TORAY (Caprin-1 ISAC)	Funds Boltbody ISAC targeting Caprin-1 through early clinical development

Concluding Thoughts



BDC-4182 (Claudin 18.2 Boltbody™ ISAC)

- Next-gen ISAC targeting gastric & gastroesophageal cancers
- Clinical trial initiating in 2Q 2025



BDC-3042 (Dectin-2 Agonist Antibody)

- First-in-class antibody with monotherapy anti-tumor activity
- Reported results at AACR & initiated partner process



Efficient drug development

- Existing cash¹ funds key milestones & operations to mid-2026
- Collaborations fund themselves & provide future upside

ISAC = Immune-stimulating antibody conjugate



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Thank you.

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Harnessing the power of the immune system to improve lives and eradicate cancer



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Questions?

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Harnessing the power of the immune system to improve lives and eradicate cancer