

Cidara Drug-Fc-Conjugates (DFCs): A New Approach To Treatment Of Cancer

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LEADING THE SCIENCE OF PROTECTION

Employee and shareholder of Cidara Therapeutics

REZAFUNGIN AND CLOUDBREAK PROGRAMS

REZAFUNGIN

- Echinocandin antifungal treatment & prevention
- Positive Phase 3 data
- NDA submitted, July 2022
- Approved by FDA in March 2023

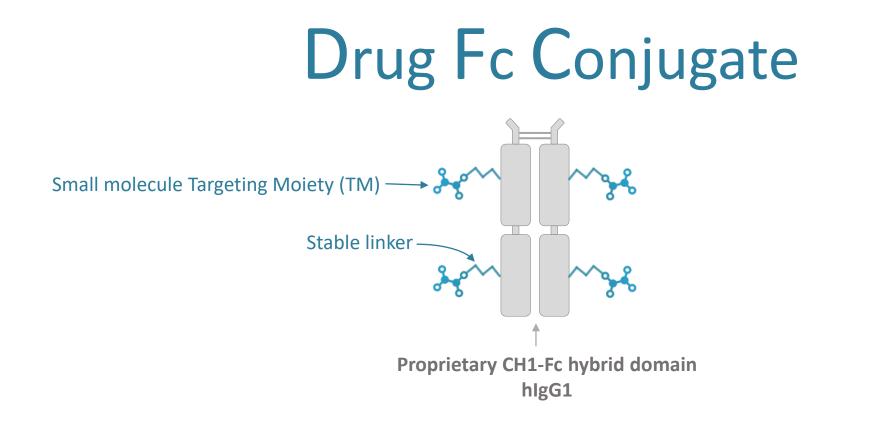
CLOUDBREAK

- Novel immunotherapy platform: antiviral & oncology
- Clinical stage (influenza) CD388; Phase 2a interim data released March 1, 2023
- Preclinical (oncology) CD73; preclinical data presented at ESMO-TAT; IND-enabling studies underway
- Opportunity to drive future value

| Program | Indications | IND-Enab. | Phase 1 | Phase 2 | Phase 3 | Approved | Collaborations |
|------------|---|-----------|---------|---------|---------|----------|---|
| REZAFUNGIN | Treatment of Candidemia and Invasive Candidiasis | | | | | | Image: municiplation municiplation therapeutics (U.S) |
| REZAFUNGIN | Prevention of Invasive Fungal Disease in Blood & Marrow Transplant Patients | | | | | | (U.S) (Ex-US/Ex-Japan) |

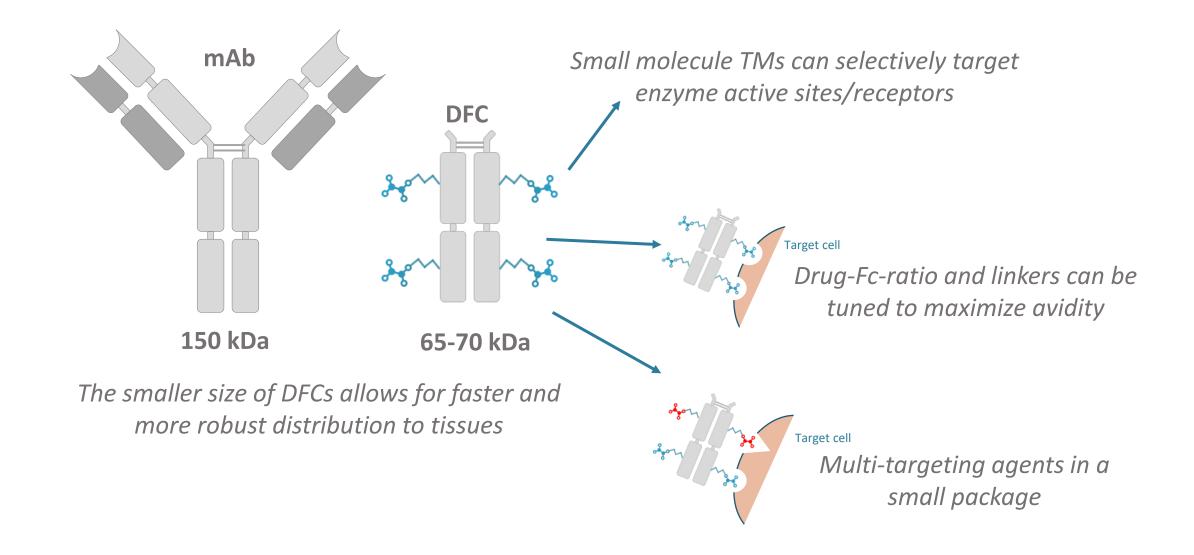
| Program | Indications | Discovery | Preclinical | IND-Enab. | Phase 1 | Phase 2 | Collaborations |
|----------------------------|----------------------------------|-----------|-------------|-----------|---------|---------|---------------------------------|
| CD388 | Prevention of Seasonal Influenza | | | | | | Janssen) (Worldwide License) |
| CD73 | Solid Tumors | | | | | | |
| Target 2* (Undisclosed) | Solid Tumors | | | | | | |
| Combination DFC 1** | Solid Tumors | | | | | | |
| Combination DFC 2** | Solid Tumors | | | | | | |

DFCs ARE A NEW THERAPEUTIC CLASS

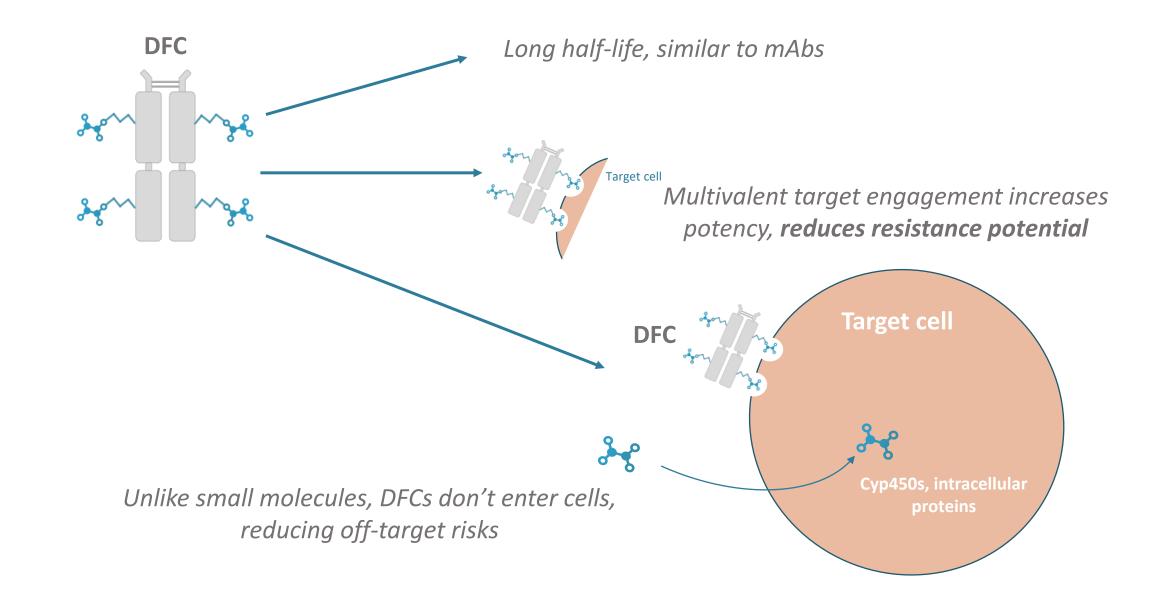


DFCs are designed to engage extracellular targets

DFCs ARE SMALLER THAN mAbs, AND ALLOW FOR PRECISION TARGETING



DFCs CAN IMPROVE SMALL MOLECULE DRUG PERFORMANCE AND SAFETY



CD388 DFC ADDRESSES THE SHORTCOMINGS OF THE FLU VACCINE AND ANTIBODIES

| | | | 25 |
|--|------------|-----------------------|------------|
| | Vaccines | Monoclonal Antibodies | CD388 DFC |
| Universal protection: multiple viruses | No | No | Yes |
| Potential to protect all high risk groups | Low | High | High |
| Potential for prevention and treatment | No | Limited | Yes |
| Scale and cost | Attractive | Expensive | Attractive |

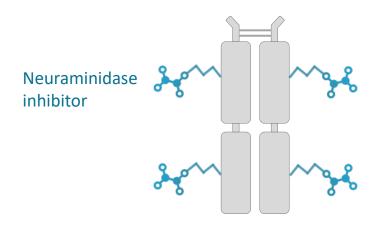
CD388 PHASE 2A DATA CONFIRM THE TPP

INFLUENZA

| | DFCs |
|--|------------|
| Universal protection: all strains | Yes |
| Potential to protect all high risk groups | High |
| Potential for prevention and treatment | Yes |
| Scale and cost | Attractive |



CD388 is being developed for universal, season-long flu protection in all patient populations.



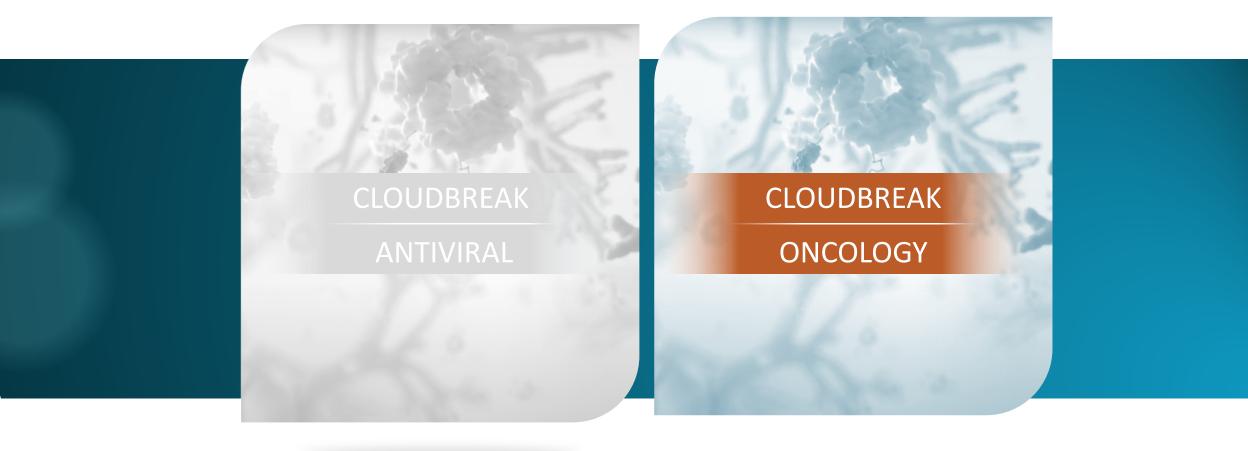
- Single dose /~4-6 months
- Successful Phase 2a interim data*

Data available at https://www.cidara.com/cloudbreak/influenza/ and at https://clinicaltrials.gov/ct2/show/NCT05285137

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* https://www.cidara.com/news/cidara-therapeutics-announces-promising-interim-phase-2a-data-assessing-the-safety-and-efficacy-of-a-single-dose-of-cd388-in-an-influenza-challenge-model/

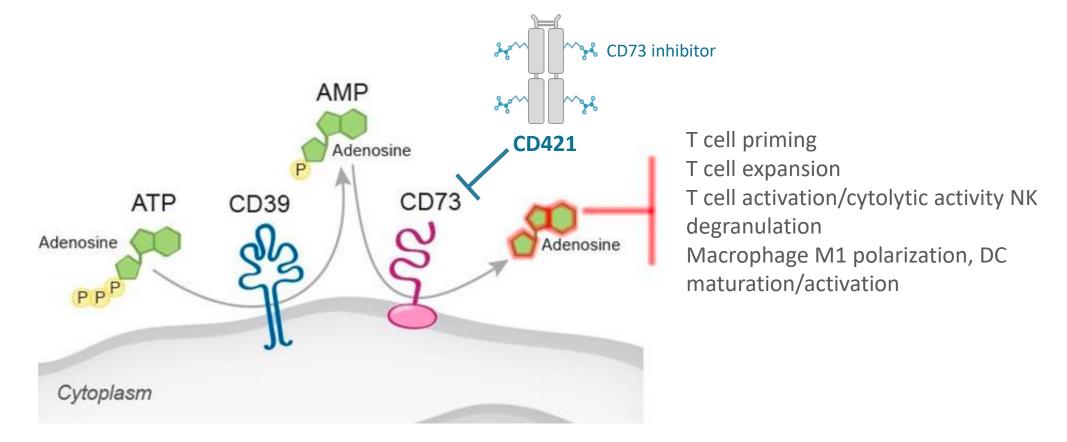
CIDARA'S PIPELINE TARGETS MULTIPLE UNMET MEDICAL NEEDS





ADENOSINE MEDIATES IMMUNOSUPPRESSION AND THERAPEUTIC RESISTANCE VIA ADENOSINE PRODUCTION

CD73 is expressed on endothelial cells, stromal cells, some tumors, subsets of T cells (CD4 10%, CD8 50%) and B-cells (70%)



CD421 is Cidara's development candidate

CD421 COMBINES ATTRIBUTES OF mAb AND SMALL MOLECULE INHIBITORS

 CD421 attributes (potency, efficacy, PK, safety) compared with most advanced CD73 small molecule and mAb clinical candidates targeting CD73

| Activity | Small molecule | mAb | DFC |
|-------------------------------|----------------|-------|-----|
| Soluble CD73 inhibition | +++ | —/+ | +++ |
| Cell-anchored CD73 inhibition | +++ | -/++ | +++ |
| Receptor internalization | _ | -/+++ | +++ |
| Half-Life | + | +++ | +++ |
| Tissue/tumor penetration | +++ | + | ++ |
| Potential safety profile* | ++ | +++ | +++ |
| Ability to combine MOAs | _ | + | +++ |

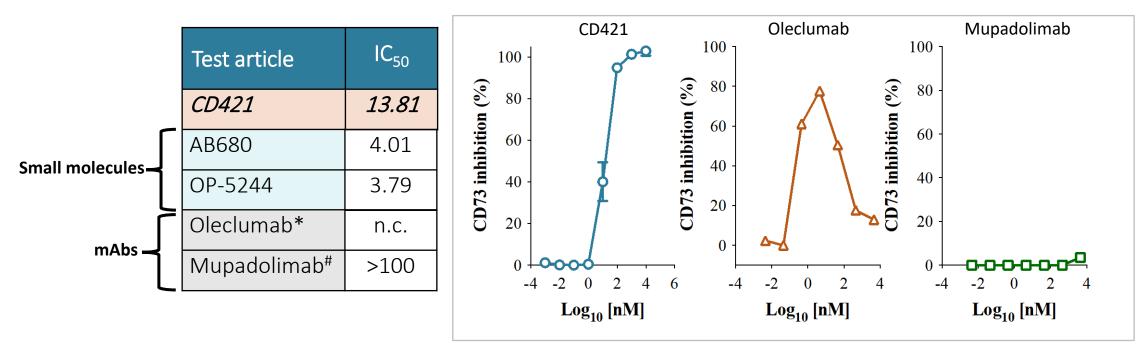
*mAbs and DFCs do not enter the intracellular space, reducing potential for off-target toxicities

CD73 SHED BY TUMORS IS A PROGNOSTIC FACTOR IN SEVERAL CANCERS

• *E.g.* metastatic melanoma – **CD421 inhibits soluble CD73, mAb inhibitors do not**

| Activity | Small molecule | mAb | DFC |
|-------------------------|----------------|-----|-----|
| Soluble CD73 inhibition | +++ | -/+ | +++ |

Soluble CD73 inhibition assay (IC₅₀ in nM)



*Oleclumab biosimilar is a partial catalytic inhibitor of CD73 #Mupadolimab biosimilar

CD421 ALSO POTENTLY INHIBITS CELL ANCHORED CD73

• CD421 is a potent inhibitor of cell anchored CD73 on tumor cells and immune cells

| Activity | Small molecule | mAb | DFC |
|-------------------------------|----------------|------|-----|
| Cell-anchored CD73 inhibition | +++ | -/++ | +++ |

Cell-based CD73 inhibition assay (IC₅₀ in nM)

| | Test article | Human MDA-MB-231 | Human PBMCs median (range, n=3) |
|-----------------|--------------------------|---------------------|------------------------------------|
| | CD421 | 3.09 | 0.61 (0.59 – 0.62) |
| Small molecules | AB680 | 0.38 | 0.022 (0.015 – 0.028) |
| | OP-5244 | 0.87 | 0.011 (0.006 - 0.028) |
| mAbs | Oleclumab* | 0.67 | 0.56 (0.48 – 4.15) |
| | Mupadolimab [#] | 3.82 | 2.85 (1.68 – 3.71) |

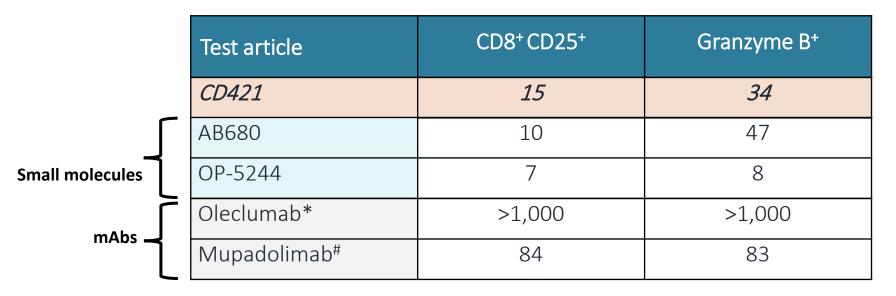
*Oleclumab biosimilar is a partial catalytic inhibitor of CD73 #Mupadolimab biosimilar

CD421 ALSO POTENTLY INHIBITS CELL ANCHORED CD73

• CD421 activity in functional assays rivals best-in-class small molecules in clinical testing

| Activity | Small molecule | mAb | DFC |
|-------------------------------|----------------|------|-----|
| Cell-anchored CD73 inhibition | +++ | -/++ | +++ |

PBMC rescue assay of AMP suppressed cells (median EC_{50} in nM, n = 3)



*Oleclumab biosimilar #Mupadolimab biosimilar

CD421 EXHIBITS ADDITIONAL CD73 INHIBITION MECHANISMS

• CD421 mediates receptor downregulation via CD73 internalization

| Activity | Small molecule | mAb | DFC |
|--------------------------|----------------|-------|-----|
| Receptor internalization | _ | -/+++ | +++ |

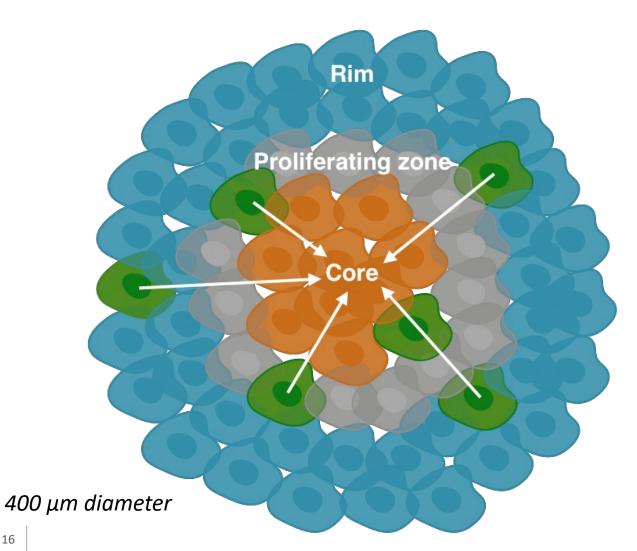
Receptor internalization (MDA-MB-231, EC₅₀ in nM)

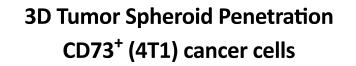
| | Test article | EC ₅₀ |
|------------------|--------------------------|------------------|
| | CD421 | 0.14 |
| | AB680 | No Activity |
| Small molecules- | OP-5244 | No Activity |
| mAbs _ | Oleclumab* | <0.03 |
| | Mupadolimab [#] | 0.055 |

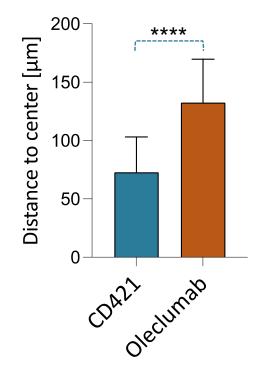
*Oleclumab biosimilar [#]Mupadolimab biosimilar

CD73 DFCs DEMONSTRATE SUPERIOR TUMOR PENETRATION VS mAbs

CD421 penetrates deeper into 3D tumor spheroids (4T1)



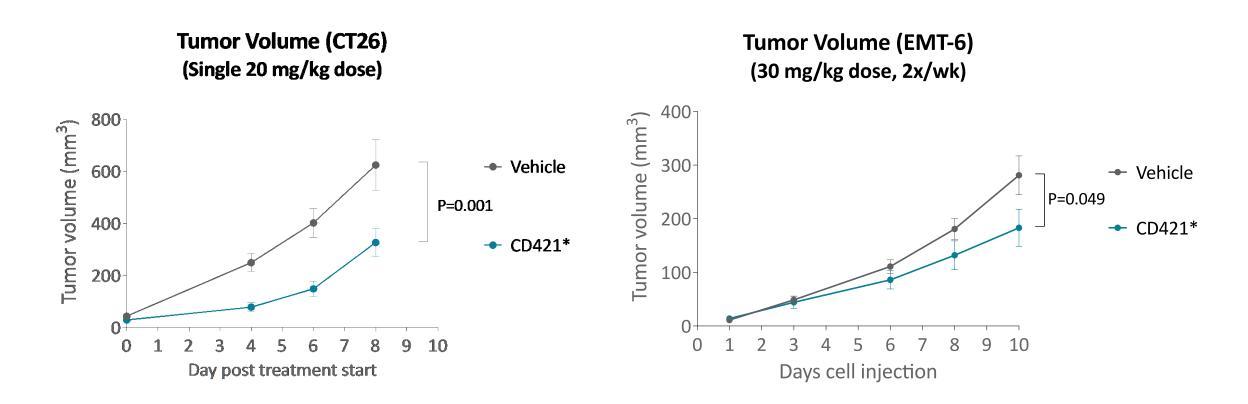




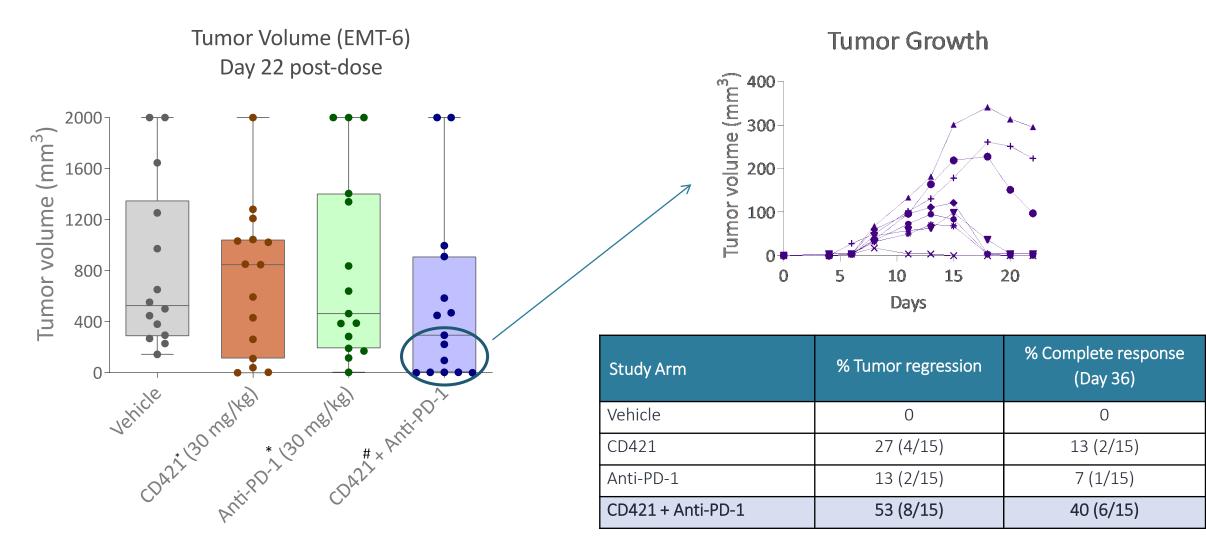
CD421 DEMONSTRATES ROBUST ACTIVITY *IN VIVO* AGAINST MULTIPLE MURINE CANCER CELL LINES

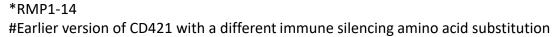
CD421 in vitro potency translates to activity in murine efficacy models

CT26 = CD73-EMT6 = CD73+



CD73 - PD-1 INHIBITOR COMBINATIONS REVERSED TUMOR GROWTH IN >50% OF MICE

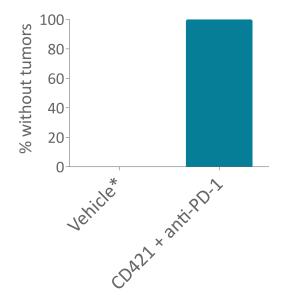




MICE WITH FULL TUMOR REGRESSION DEMONSTRATE IMMUNITY



% of Regressed Mice with Full Tumor Immunity



CD421 HAS SIGNIFICANT POTENTIAL FOR DIFFERENTIATION

• Data suggests that CD421 could demonstrate best-in-class activity:

- CD421 fully inhibits cell-anchored and soluble forms of CD73
- CD421 induces receptor internalization and downregulation of CD73 receptors expressed on a human breast cancer cell line
- CD421 demonstrates superior activity to biologic CD73 inhibitors in restoring activation of human peripheral blood mononuclear cells (PBMCs) in the presence of AMP
- Combined attributes of CD421 translate to activity in murine solid tumor models, particularly in combination with a PD-1 inhibitor
- Preclinical evidence that CD421 penetrates tumors more deeply than CD73 targeting mAbs



Promising non-GLP safety data in rat and monkey

Cidara Therapeutics:

Les Tari (CSO) and the rest of the management team Department of Chemistry Department of Protein Chemistry Department of Microbiology Department of Immunology Department of Preclinical Development

All questions and comments welcome

