

# The BASICS

**Nicole Concin**

Dept. of Gynaecology and Gynaecological Oncology, Medical University of Vienna, Austria  
ESGO accredited centre for training



# Declaration of interests

Prof. Nicole Concin

Consulting/Advisory: MSD, ImmunoGen, Seagen, Akesobio, Eisai, GSK, AstraZeneca, Mersana, Seattle Genetics, eTheRNA immunotherapies NV, KARTOS

Travel Expenses: Roche, Genmab, Amgen

Educational fees: Kartos, MSD, Medscape Oncology, TouchIME

Functions in societies: Past-President of ESGO  
Chair of ENGOT Early Drug Development Network  
FIGO Committee for women`s cancer



# ADCs UNDER CLINICAL DEVELOPMENT IN GYNAE ONC

Non exhaustive

Target	Drug	DAR	Tumor type
B7-H4	XMT-1660 <sup>1</sup>	6	Ovarian, endometrial
	SGN-B7H4V <sup>2-4</sup>	4	Ovarian, endometrial
	AZD8205 <sup>5,6</sup>	8	Ovarian, endometrial
CDH6	DS-6000a <sup>7,8</sup>	~8	Ovarian
FR $\alpha$	Mirvetuximab soravtansine	3.4	Ovarien, endometrial
	IMGN-151	3.5	Ovarian, endometrial
	Luveltamab tazevibulin (STRO-002) <sup>9,10</sup>	4	Ovarian, endometrial
	Farletuzumab ecteribulin (MORAb-202) <sup>11,12</sup>	4	Ovarian, endometrial
HER2	SYD985 <sup>13,14</sup>	2.7	Ovarian, endometrial
	T-DXd <sup>15,16</sup>	7-8	Cervical, ovarian, endometrial
	DB-1303/BNT323 <sup>17,18</sup>	~8	Endometrial
Mesothelin	BMS-986148 <sup>19,20</sup>	3	Ovarian
Tissue factor	XB002 <sup>21,22</sup>	4	Cervical, ovarian
TROP2	Sacituzumab govitecan <sup>23, 24</sup>	7.5	Cervical, ovarian, endometrial
	DB-1305 <sup>25, 26</sup>	~4	Ovarian, endometrial
	Sacituzumab tirumotecan (MK-2870/SKB264) <sup>27</sup>	7.4	Cervix, endometrial

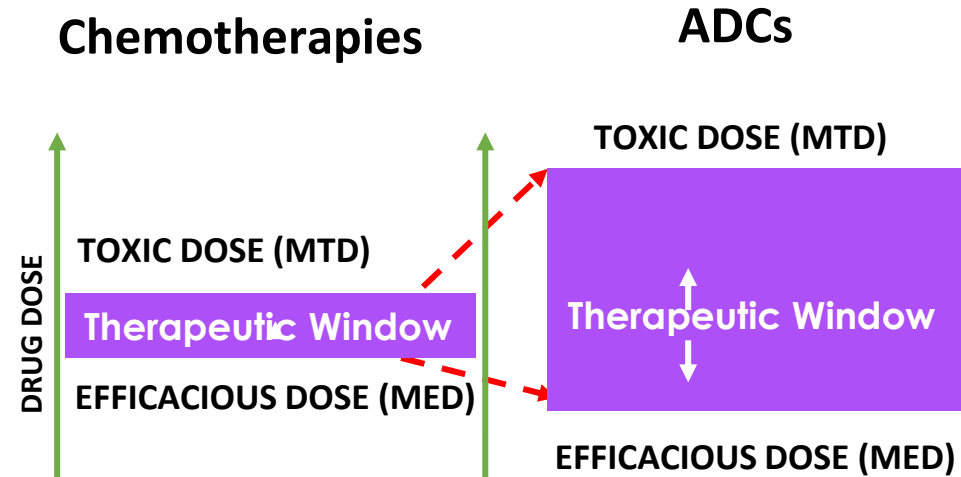
# Why ADCs?

Engineered to limit systemic toxicity and improve the therapeutic index of cytotoxic agents

ADCs are a class of targeted therapies that are designed to selectively deliver cytotoxic drugs to cancer cells<sup>1</sup>

## Systemic chemotherapies <sup>2</sup>

- Cytotoxic agents that target rapidly dividing cancerous and healthy cells
- Severe side effects limit administrable dose
- **Narrow therapeutic window** resulting from a small therapeutic index



$$\text{THERAPEUTIC INDEX} = \frac{\text{MTD}}{\text{MED}}$$

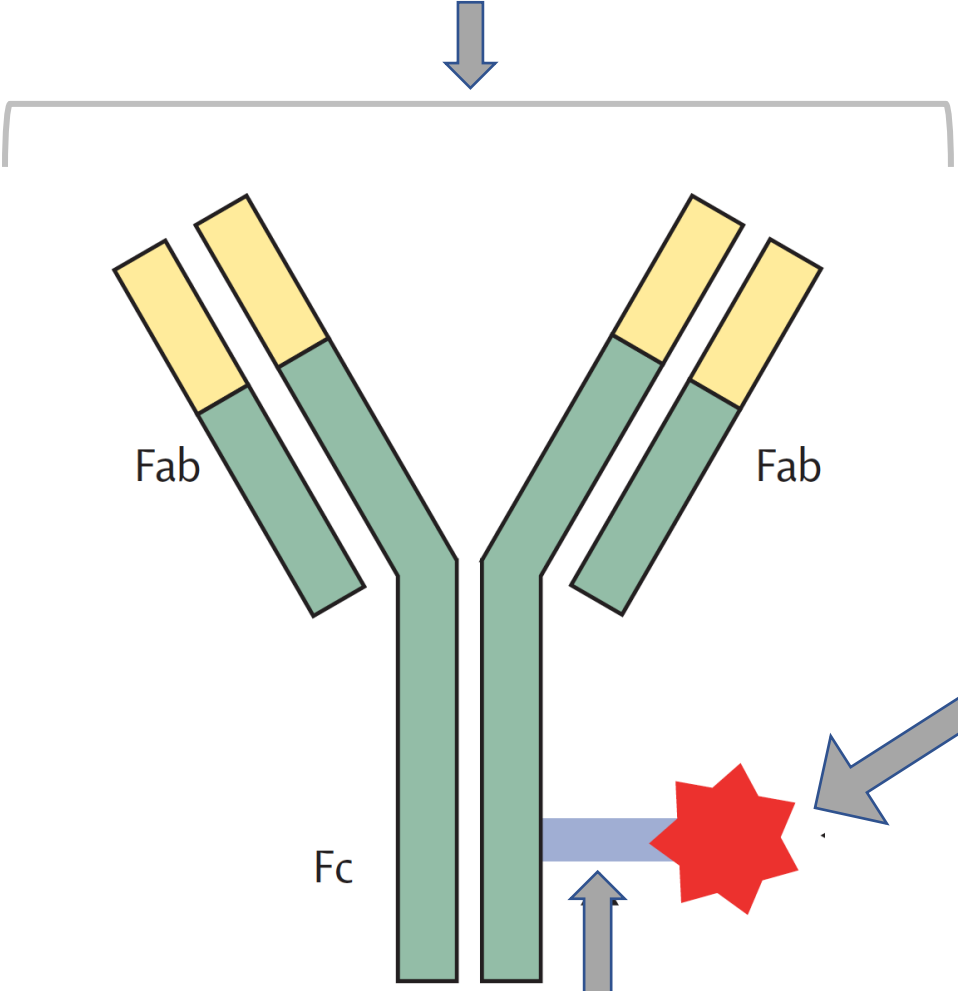
**ADCs**

- Designed to reduce off-target toxicities of cytotoxic payloads
- **Broader therapeutic window** by limiting exposure of healthy tissue to cytotoxic drugs

ADC, antibody-drug conjugate; MED, minimum effective dose; MTD, maximum tolerated dose.  
1. Criscitiello C et al. *J Hematol Oncol*. 2021;14(1):20.  
2. Panowski S et al. *MAbs*. 2014;6(1):34–45.

# Structure of Antibody-Drug Conjugates (ADCs)

MONOCLONAL ANTIBODY (mAb)

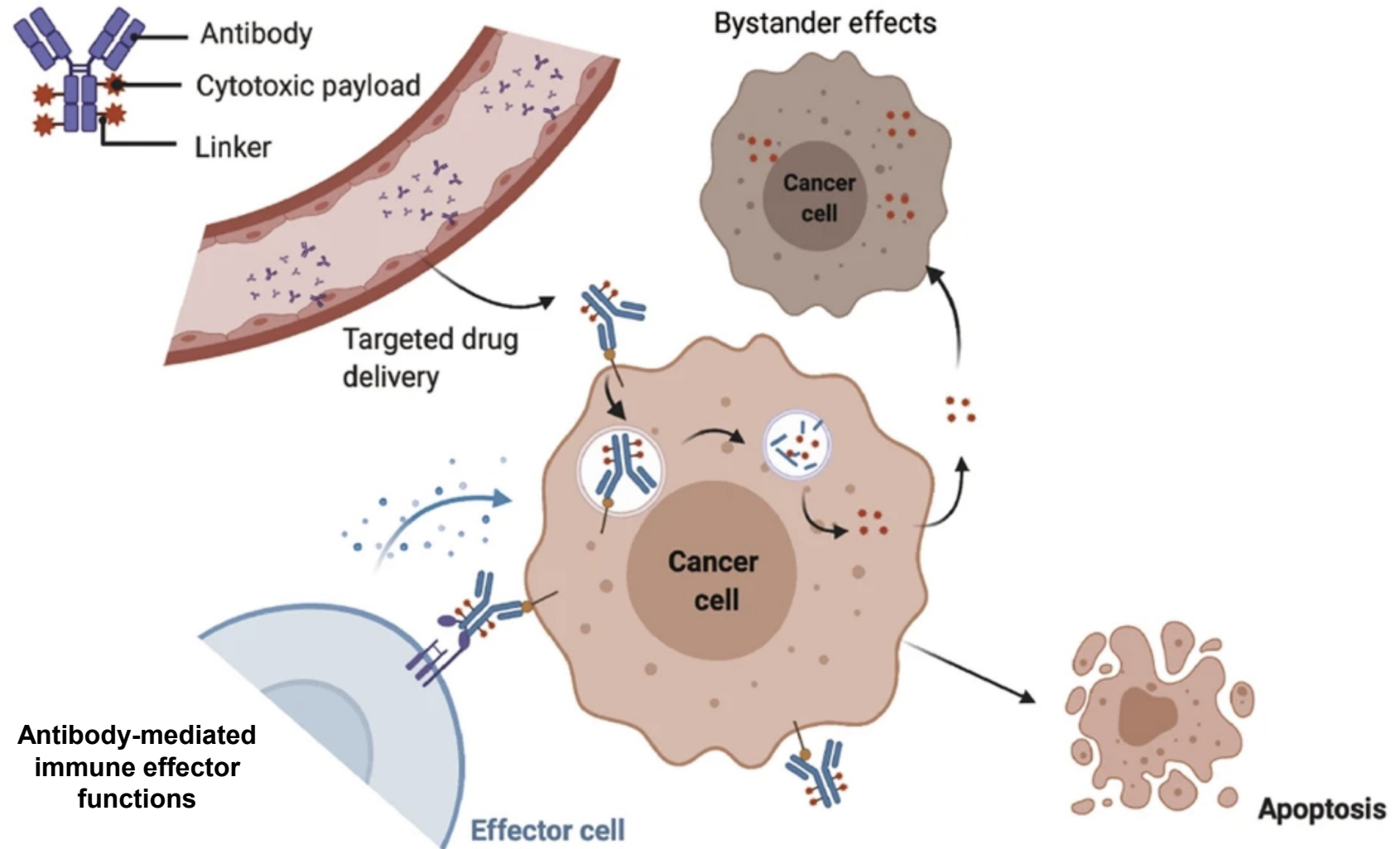


CYTOTOXIC  
PAYLOAD

LINKER

# ADCs: Mechanism of action

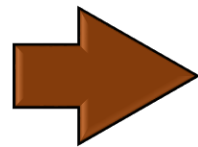
## Antibody-Drug Conjugate



# Structure + Function of ADCs: TARGET ANTIGEN

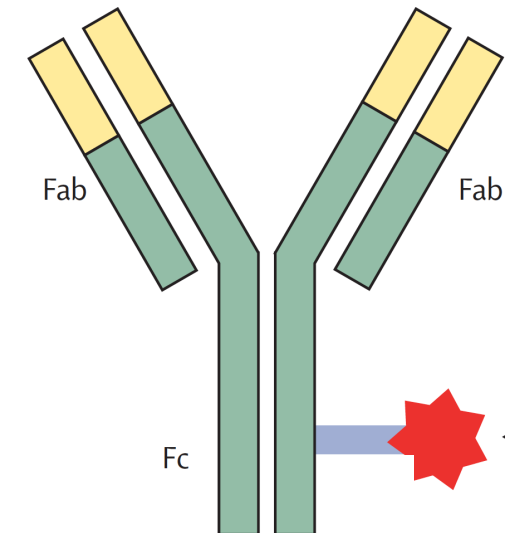
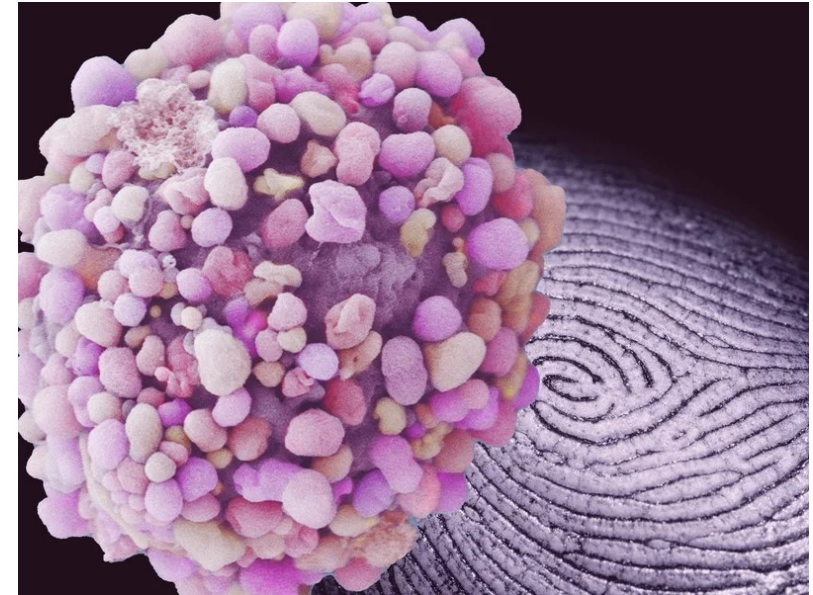
## Antigen

- Homogenous expression on surface of tumour cells
- Low/no expression on healthy tissue



*to limit on-target,  
off-tumour toxicity*

- High affinity and avidity for antibody recognition



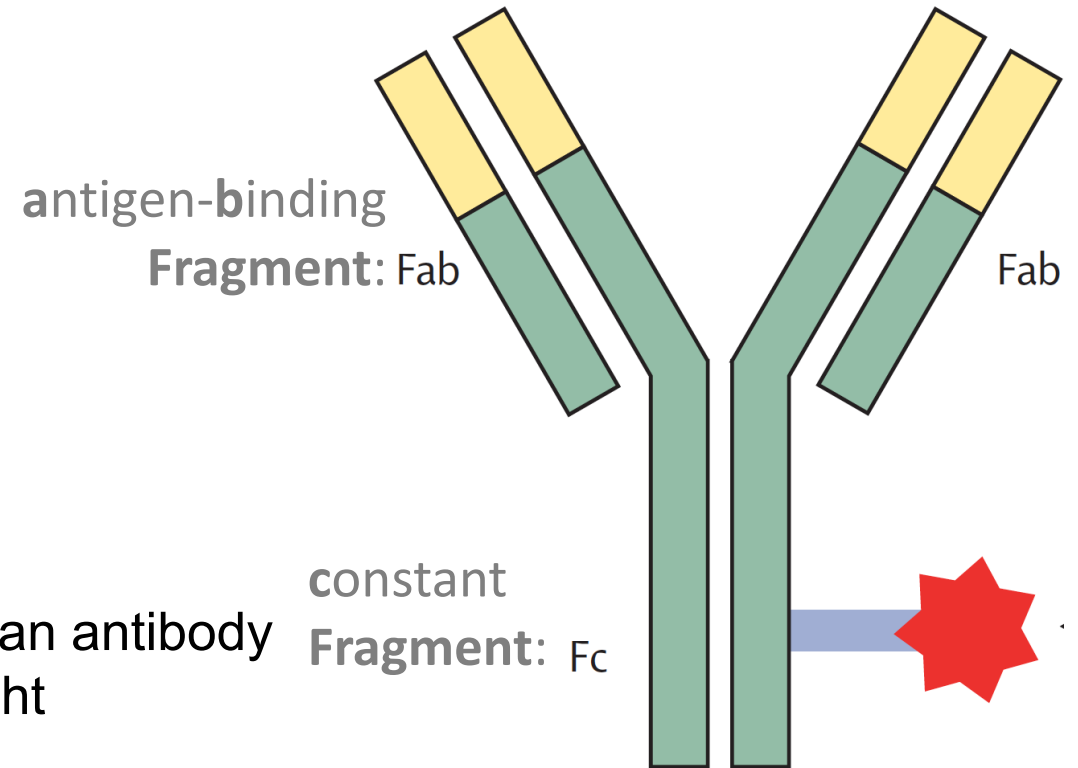


# Structure + Function of ADCs: COGNATE ANTIBODY

## Antibody

2 fragments (antigen-binding / constant fragment)  
4 polypeptides (2 heavy / 2 light chains)

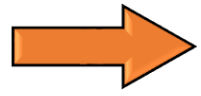
- **High affinity and avidity for tumour antigen**
- **Minimal immunogenicity:** humanised or fully human antibody
- **Long circulating half-life** and high molecular weight



# Structure + Function of ADCs: LINKER

## Properties of the linker

- Stability in systemic circulation
- Efficient release of payload at target site



**Reduces the off-target**

## Two categories of linker

- **CLEAVABLE** : dependent on **antibody** environment

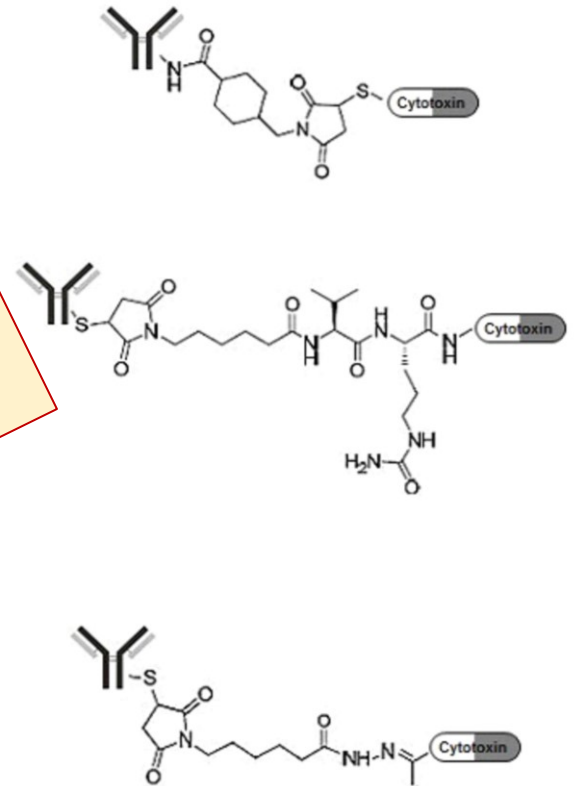
**LINKER TECHNOLOGY**  
= important modulators of overall ADC  
**pharmacokinetics, pharmacodynamics and toxicity**

(cleavable linkers)

glutathione concentrations (disulphide linkers)

- **NON-CLEAVABLE** : depend on **lysosomal degradation of the antibody**  
for **payload release**

form nonreducible bonds with the antibody  
e.g. thioether linker



Drago JZ et al. Nat Rev Clin Oncol 2021

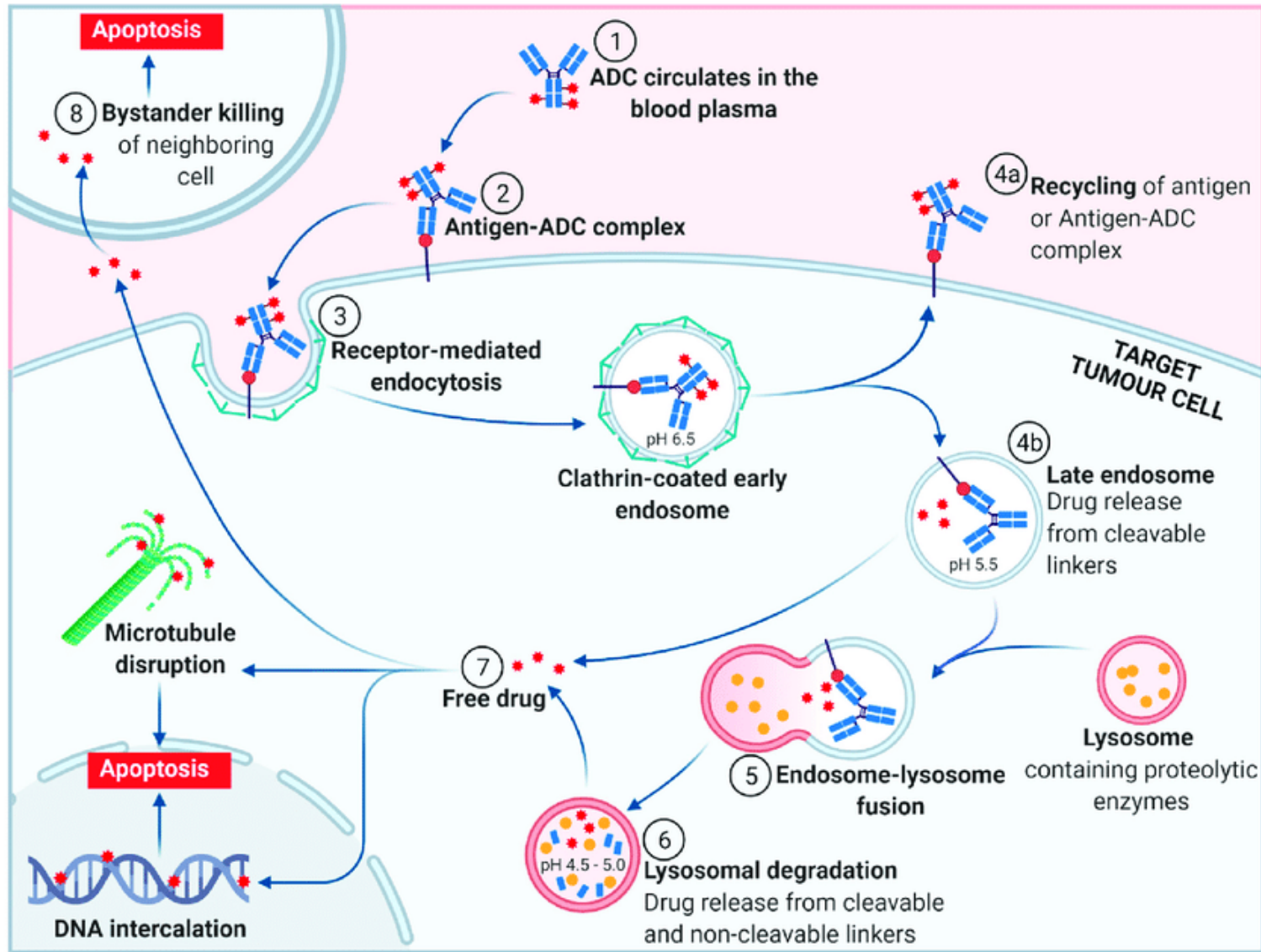
.Lu J et al. Int J Mol Sci. 2016

Sau S et al. Drug Discov Today. 2017

Chau CH, Steeg PS, Figg WD, Lancet 2019

Khongorzul et al, Molecular Cancer Research 2019

# Structure + Function of ADCs: LINKER



Cleavable linker

Non-cleavable linker

# Structure + Function of ADCs: CYTOTOXIC PAYLOAD

## Highly potent agents

- targeting **tubulin**
- targeting **DNA**

## Basic criteria

- amenability to conjugation
- solubility
- stability

Class	Mechanism of Action	Example compounds
<b>Auristatins</b>	Inhibit tubulin assembly	<b>MMAE</b> (vedotin) <b>MMAF</b> (mafadotin)
<b>Maytansines</b>	Inhibit tubulin assembly	<b>DM1</b> : emtansine, mertansine <b>DM4</b> : soravtansin, ravtansine
<b>Tubulysins</b>	Inhibit microtubule polymerization	AZ13599185
<b>Pyrrolobenzodiazepines (PBDs)</b>	dimerization of PBD cause <b>crosslinking</b> of DNA	
<b>Calicheamicin</b>	induces <b>double-strand DNA breaks</b>	N-acetyl-g-calchicheamicin
<b>Duocarmycins</b>	<b>alkylating agent</b>	Seco-DUBA
<b>Indolinobenzodiazepines</b>	<b>alkylate</b> only one strand of target DNA	
<b>Camptothecin analogues</b>	Inhibit DNA topoisomerase 1	Govitecan Deruxtecan

Lee EK, Liu JFI, Gynecologic Oncology 2019

Stewart D, Cristea M, curr Opin Obstet Gynecol 2019

Fu Z et al. Signal Transduct Target Ther. 2022

Donaghy H et al. MAbs. 2016

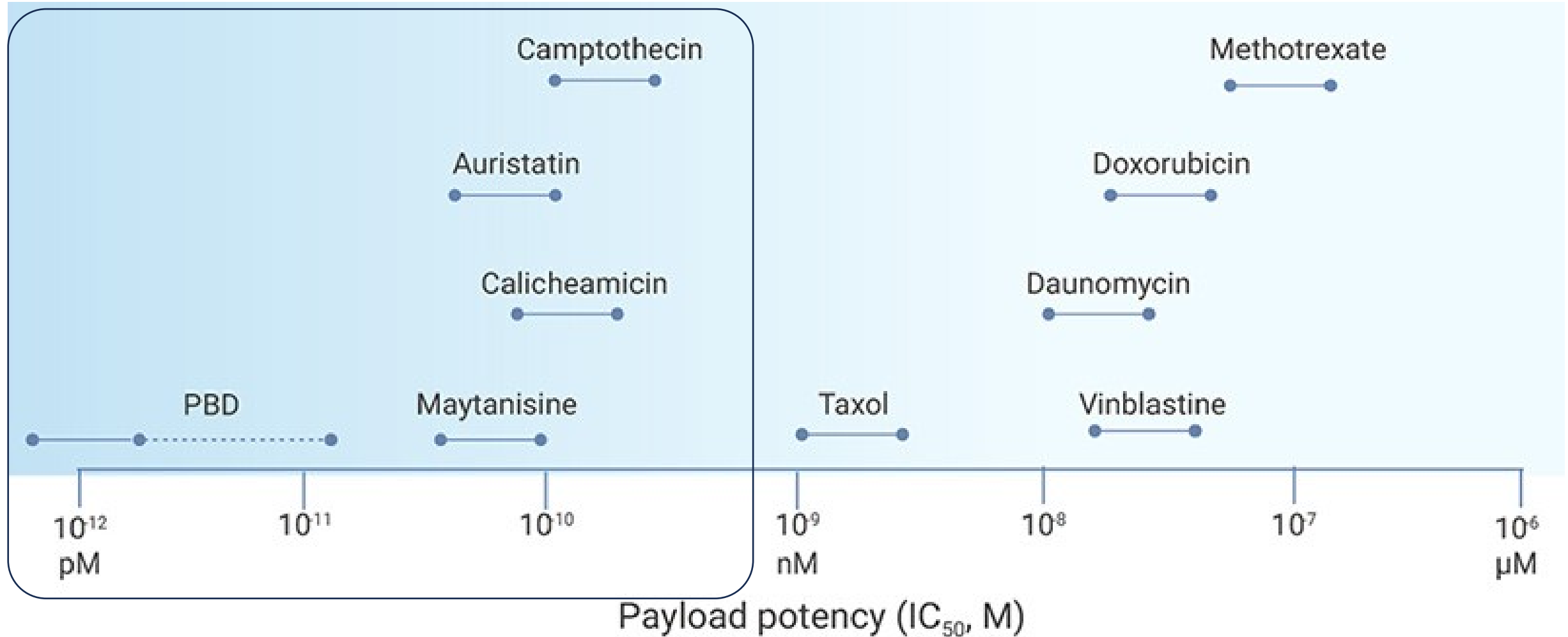
Tang H et al. Front Pharmacol. 2019

Cheng X et al. Mol Cancer Ther. 2018

Chen H et al. Molecules. 2017

Chau CH, Steeg PS, Figg WD, Lancet 2019

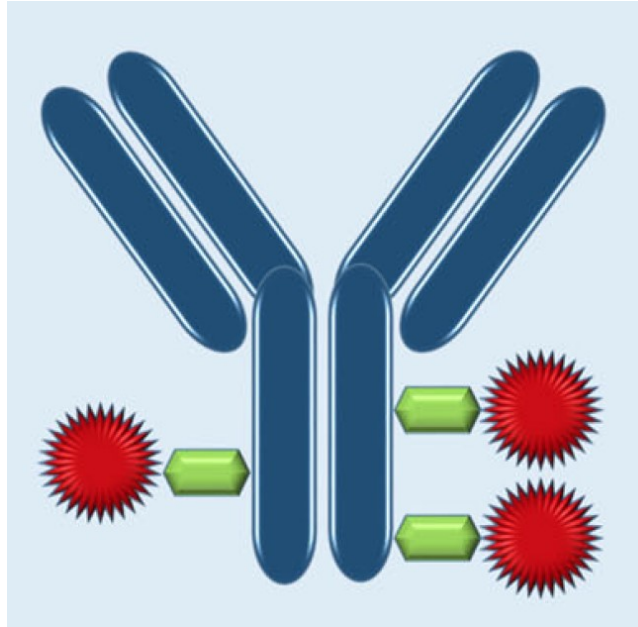
# Payloads potency



# Structure + Function of ADCs: DRUG TO ANTIBODY RATIO (DAR)

**drug to antibody ratio  
(DAR) =**  
number of drug  
molecules  
attached to the antibody

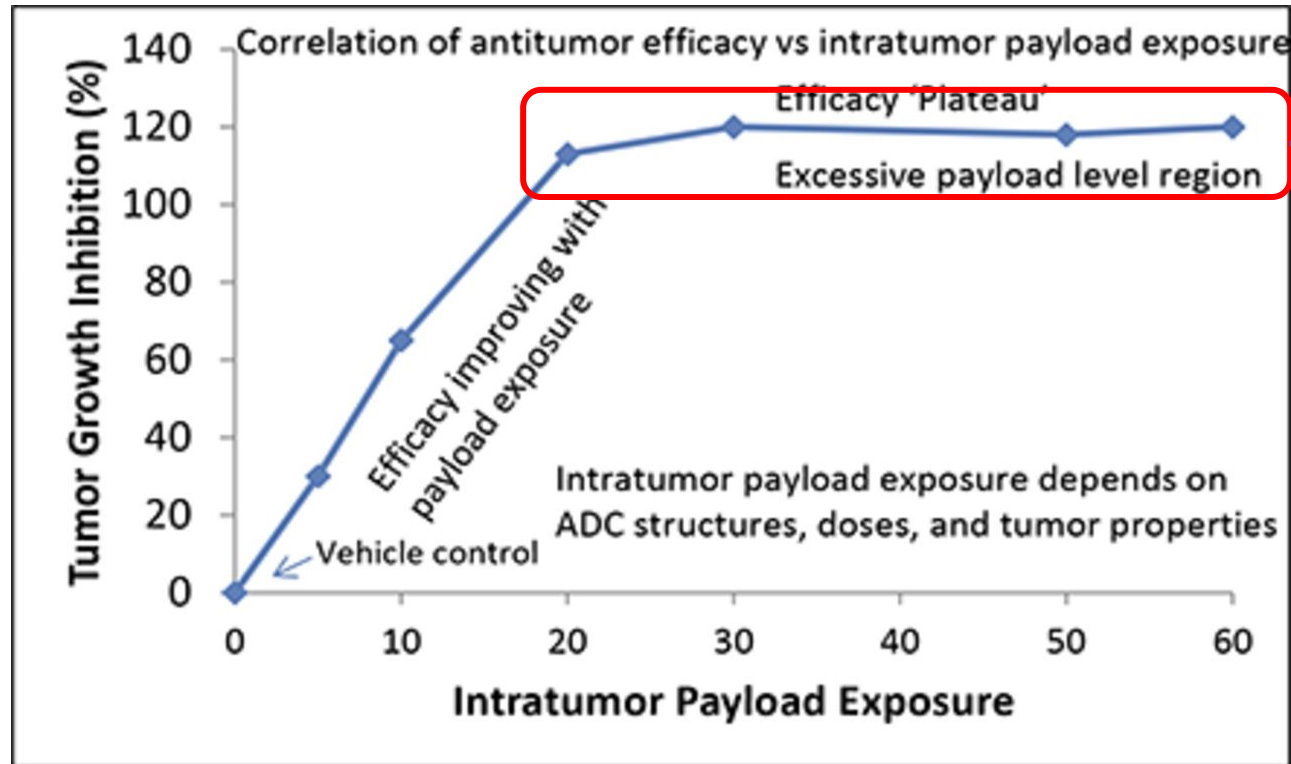
**-> ADC potency and  
toxicity**



	Ag	Payload	DAR
Mirvetuximab-Soravtansine	FR $\alpha$	DM4	3-4
Anetumab-Ravtansine	Mesothelin	DM4	3.2
Tisotumab-Vedotin	TF	MMAE	NR
Lifastuzumab-Vedotin	NaPi2b	MMAE	3-4
Luveltamab-Tazevibulin (STRO-002)	FR $\alpha$	3-aminophenyl hemiasterlin	4
Farletuzumab-Ecteribulin (MORAb-202)	FR $\alpha$	Eribulin	4
Upifitamab-Rilsodotin (UpRi)	NaPi2b	MMAF	10-12
DMOT4039A	Mesothelin	MMAE	3.5
BMS-986148	Mesothelin	Tubulysin	3
DMUC4064A	MUC16	MMAE	2

# Dose / Payloads

More is not always better



Only increase in AEs



# UPLIFT / ENGOT-OV67 / GOG-3048

## Design: Single arm Phase II (continued out of Phase I trial)

### Key inclusion criteria:

- Platinum-resistant<sup>a</sup> HGSOC<sup>b</sup>
- 1–4 prior lines of therapy
- Prior bevacizumab required if patient received only 1–2 prior lines of therapy
- ECOG PS 0–1
- Available archived or fresh tissue for retrospective NaPi2b evaluation
- Grade ≤ 2 peripheral neuropathy
- Measurable disease per RECIST v1.1

### Key exclusion criteria:

- 1–2 prior lines AND bevacizumab-naïve
- Primary platinum-refractory disease

UpRi 36 mg/m<sup>2</sup> up to max 80 mg;  
IV q4w

**36 mg/m<sup>2</sup> dose** selected based on favorable safety profile and similar efficacy as dose Group 43 seen in the Phase 1b study

### Statistical Assumptions

- $\alpha=0.025$  (one-sided)
- power = 90%
- ORR 24% (vs 12% based on single agent chemo)

### Primary endpoint

- Investigator-assessed **confirmed ORR** in **NaPi2b-positive population**

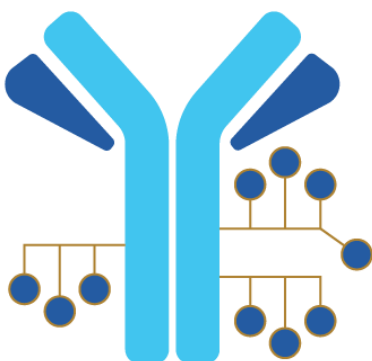
### Secondary endpoints

- Investigator-assessed confirmed ORR in overall population
- DOR
- Safety

UPLIFT

ENGOT GOG FOUNDATION<sup>®</sup>  
European Network of Gynaecological Oncological Trial groups  
Transforming the standard of care<sup>™</sup>

## UPIFITAMAB RILSODOTIN (UPRI; XMT-1536)



**Dolaflexin ADC** **designed to minimize the common toxicities** associated with ADCs (peripheral neuropathy, neutropenia, ocular toxicity)

**Antibody:** Humanized monoclonal anti-SLC34A2 (NaPi2b)

**Linker:** Polymer scaffold; Stochastic cysteine conjugation

**Payload:** AF-HPA - controlled bystander effect; highly potent anti-tubulin inhibitor selectively toxic to rapidly dividing cells

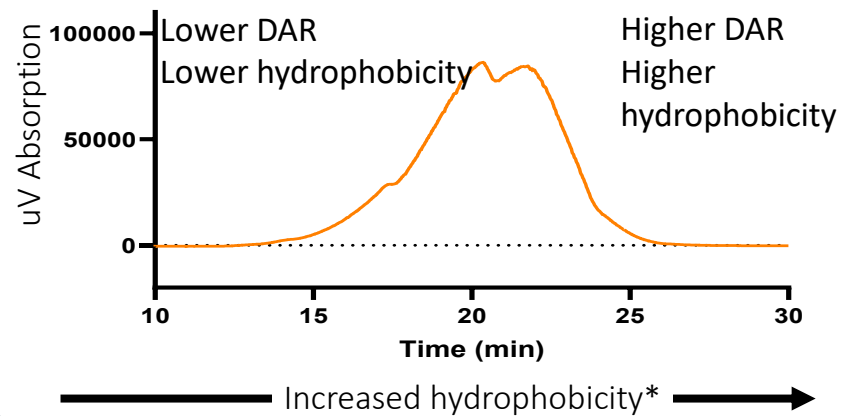
**Drug-to-Antibody Ratio:** **Heterogeneous; ~10**

NCT03319628

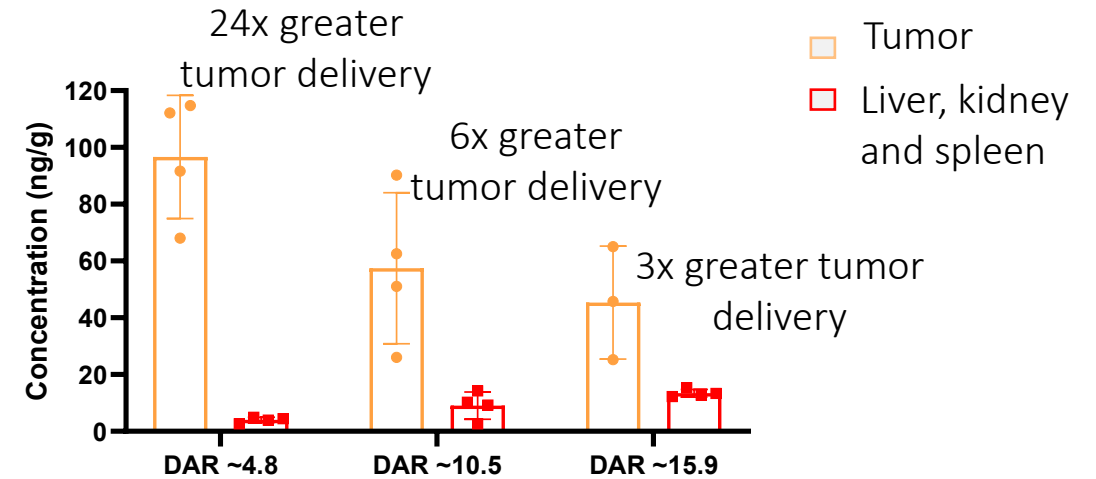
<sup>a</sup>Platinum-resistant is defined as disease that has progressed within 6 months of the last dose of platinum. HGSOC, including fallopian tube and primary peritoneal cancer. DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; ENGOT, European Network of Gynaecological Oncological Trial Groups; GOG, Gynecologic Oncology Group; HGSOC, high-grade serous ovarian cancer; IV, intravenous; NaPi2b, sodium-dependent phosphate transport protein 2B; ORR, overall response rate; q4w, every 4 weeks; RECIST, Response Evaluation Criteria in Solid Tumors; UpRi, upifitamab rilsodotin.

## High-DAR Sub-Populations are believed to have contributed to Off-Target Toxicities

### Dolaflexin Heterogeneous ADC population – an ADC sub-population mixture

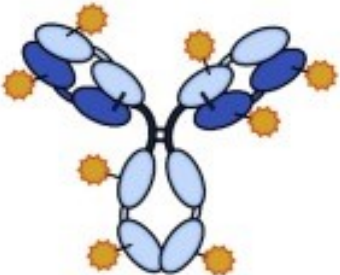


### Dolaflexin High-DAR Sub-Populations Show Reduced Tumor-Specific Delivery

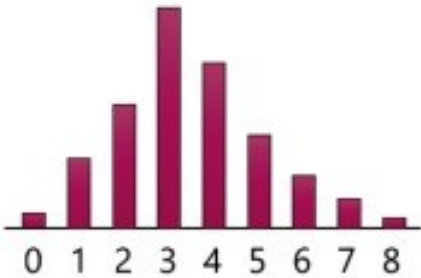


Hypothesized that the high-DAR subpopulation may have reduced UpRi's efficacy while also increasing toxicity, including potentially thrombocytopenia and bleeding

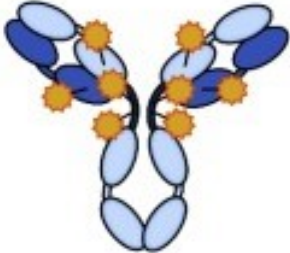
# Position payload, DAR (drug-antibody ratio), and linker technology ARE important



Lysine conjugation



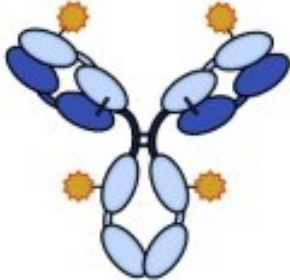
DAR distribution



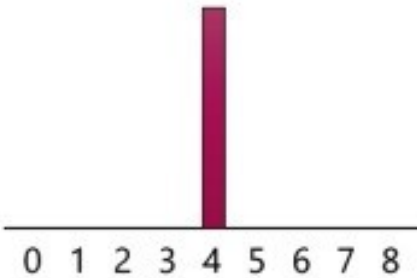
Cysteine conjugation



DAR distribution



Site-specific conjugation



DAR distribution

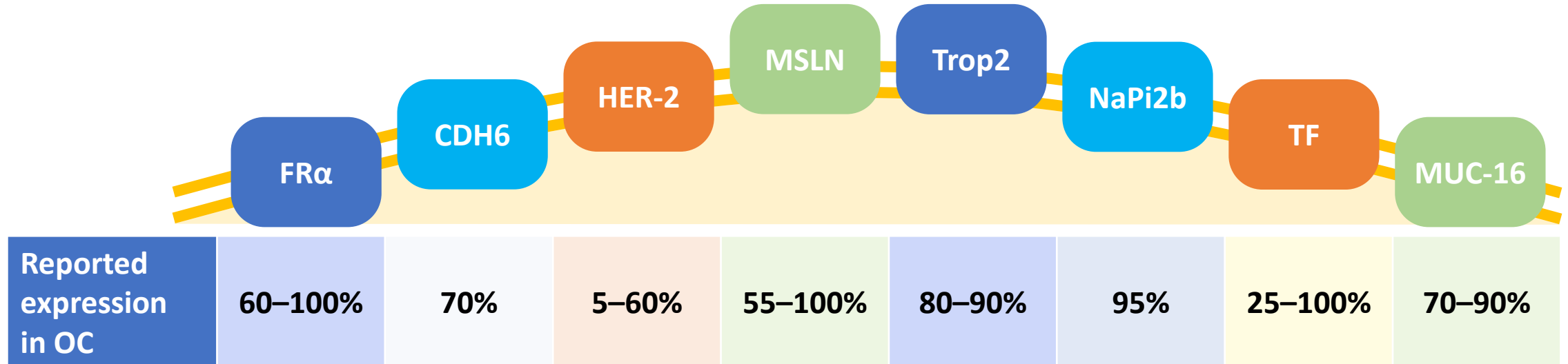
## Ideal ADC:

- DAR predictable
- Low heterogeneity
- Hydrophilic

Decreasing heterogeneity



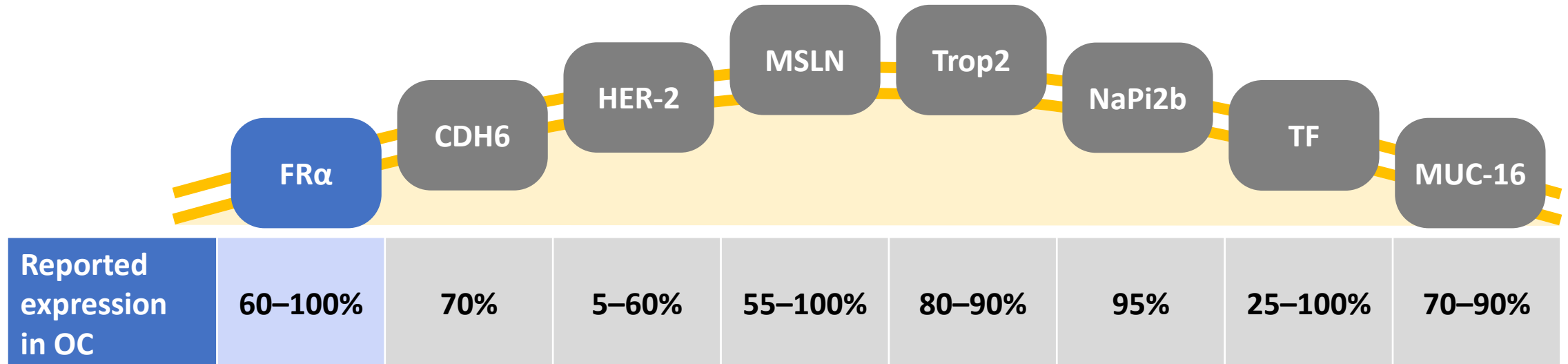
# Examples of antigens exploited for ADC development in OC<sup>1</sup>



Note: Some ADCs may only demonstrate efficacy in higher expression levels of the target antigen.<sup>2,3</sup>

1. Chelariu-Raicu A, et al. Int J Gynecol Cancer. 2023
2. Moore KN, et al. ESMO Annual Meeting. 2019; Presentation 992O
3. Meric-Bernstam F, et al. J Clin Oncol. 2024

## Examples of antigens exploited for ADC development in OC<sup>1</sup>



Note: Some ADCs may only demonstrate efficacy in higher expression levels of the target antigen.<sup>2,3</sup>

**FR $\alpha$  has emerged as a very attractive candidate** for molecularly targeted approaches in ADC development for OC due to its **almost ubiquitous expression on the surface of HGSOc** and its **ability to internalize large molecules containing a cytotoxic payload**

1. Chelariu-Raicu A, et al. Int J Gynecol Cancer. 2023

2. Moore KN, et al. ESMO Annual Meeting. 2019; Presentation 9920

3. Meric-Bernstam F, et al. J Clin Oncol. 2024

# FR $\alpha$ is a transmembrane glycoprotein that facilitates the unidirectional transport of folate into cells via receptor-mediated endocytosis

- Folate binding to FR $\alpha$  creates a receptor-ligand complex<sup>1</sup>
- Invagination and budding off into caveolae-type vesicles gives rise to early endosomes<sup>1</sup>
- The endosomes undergo acidification and subsequent fusion with lysosomes, ultimately resulting in folate release<sup>1</sup>
- **Folate is required for the synthesis of DNA and RNA<sup>1</sup>**
  - Anti-folates, such as methotrexate, have long been used in the treatment of cancer<sup>2</sup>

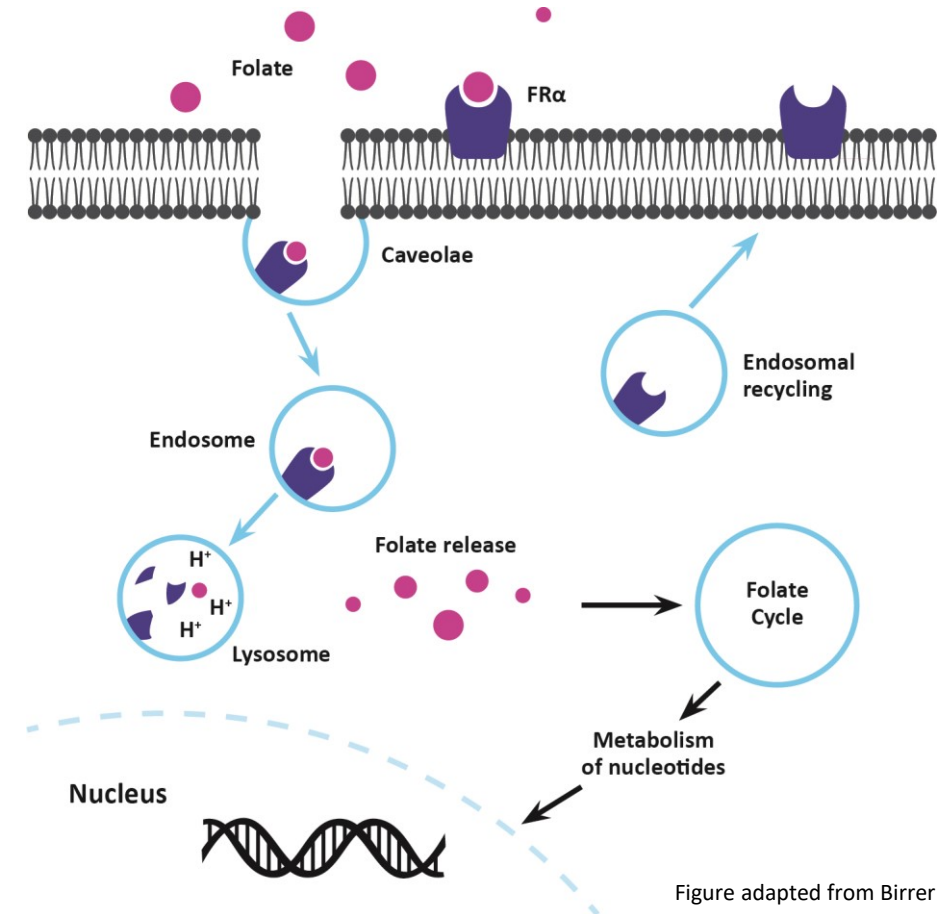


Figure adapted from Birrer MJ, et al.<sup>1</sup>

FR, folate receptor.

1. Birrer MJ, et al. *Oncologist*. 2019;24(4):425-429.
2. Newman AC, et al. *Br J Cancer*. 2017;116(12):1499-1504.

# Rationale for targeting FR $\alpha$ in ovarian cancer

## FR $\alpha$ in ovarian tumours

- Expression **varies by sub-type**, e.g., a consortium-based analysis of data from 12 studies showed FR $\alpha$  expression in:<sup>2</sup>
  - **76% of high-grade serous**
  - **50% of low-grade serous**
  - **32% of clear cell carcinomas**
- Expression is **retained in recurrent and metastatic** tumours and is **not significantly altered in response to chemotherapy**<sup>3-5</sup>

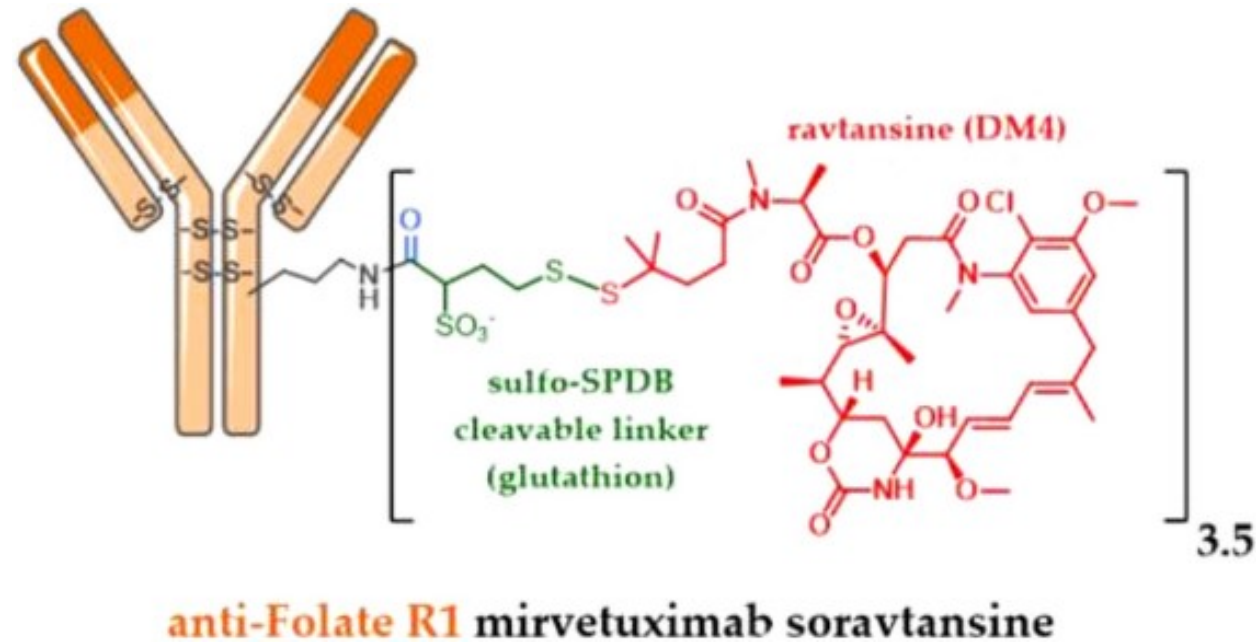
## FR $\alpha$ in non-malignant ovarian tissues

- FR $\alpha$  is **scarcely expressed** in non-malignant ovarian tissues<sup>6</sup>
- Limited to polarized epithelia, such as in the choroid plexus, kidney, lung, and placenta<sup>3,7</sup>
- FR $\alpha$  has a **minimal physiological role in non-malignant tissues** after embryogenesis<sup>6</sup>

FR, folate receptor; HGSOV, high-grade serous ovarian cancer; OC, ovarian cancer.

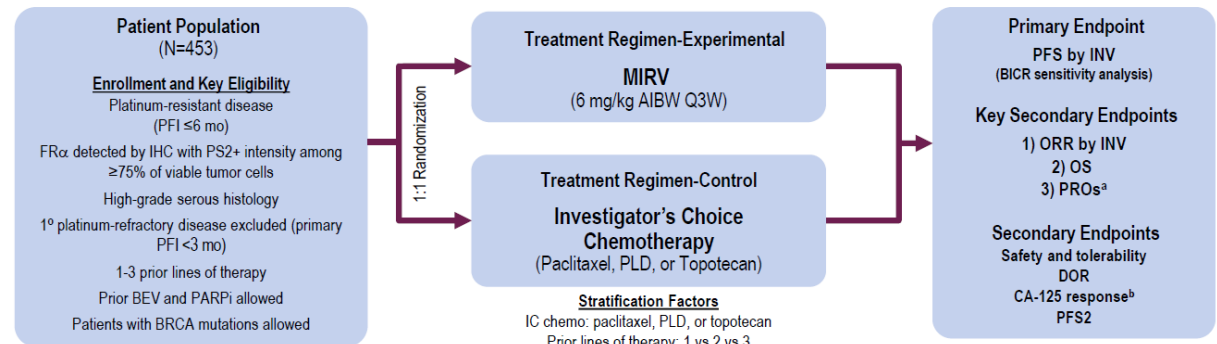
1. Chelariu-Raicu A, et al. *Int J Gynecol Cancer*. 2023;33(3):420-429.
2. Köbel M, et al. *Br J Cancer*. 2014;111(12):2297-307.
3. Birrer MJ, et al. *Oncologist*. 2019;24(4):425-429.
4. Despierre E, et al. *Gynecol Oncol*. 2013;130(1):192-9.
5. Rubinsak LA, et al. *Appl Immunohistochem Mol Morphol*. 2018;26(8):567-572.
6. Scaranti M, et al. *Nat Rev Clin Oncol*. 2020;17(6):349-359.
7. Elnakat H, et al. *Adv Drug Deliv Rev*. 2004;56(8):1067-84.

# Mirvetuximab Soravtansin



## MIRASOL STUDY

an open label, phase 3 randomized trial of MIRV vs investigators' choice chemotherapy in patients with FR $\alpha$ -high platinum-resistant ovarian cancer

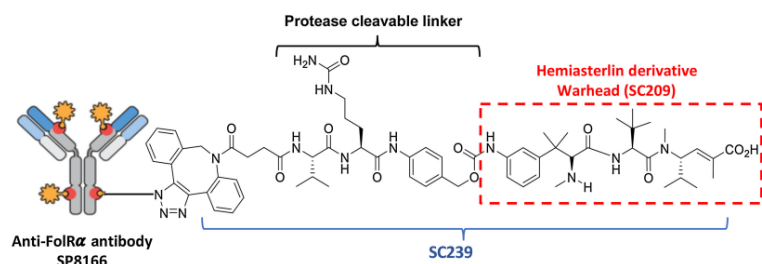




# Luveltamab Tazevibulin (STRO-002) *FR $\alpha$ -targeted ADC*

in recurrent, epithelial ovarian cancer

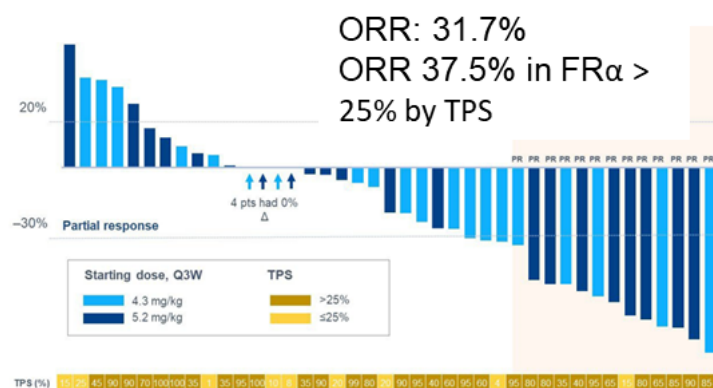
## Luveltamab tazevibulin



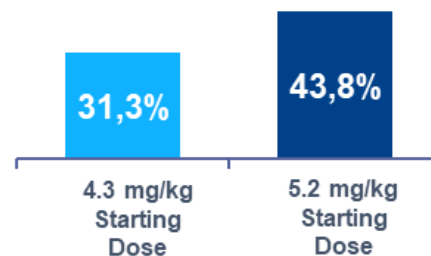
Luvelta (STRO-002) is a homogenous ADC targeting FR $\alpha$   
Cathepsin B linker, which is a stable protease-cleavable linker  
**Hemiasterlin-derivative<sup>a</sup>** cytotoxic payload  
DAR=4

## Efficacy

### Phase 1 dose-expansion study (NCT03748186)



FR $\alpha$  >25% by TPS



Currently moving to late phase trial

## Safety

### Phase 1 dose-expansion study

#### TRAEs leading to dose reduction in 61.4%

- Neutropenia<sup>a</sup> in 17 patients (39%)
  - Primarily G3/4 uncomplicated (abnormal lab value only)
  - Febrile neutropenia in 2 patients (4.5%)
  - Resolved without growth factor support in most patients
  - Median duration of G3+ AEs, 8 days
- Arthralgia in 8 patients (18%)
- Peripheral neuropathy in 3 patients (6.8%)
  - Most G1/2

#### TEAEs leading to dose discontinuation in 3 patients (6.8%)

- G3 fatigue
- G2 neuropathy
- G5 Sepsis

# Rinatabart sesutecan (Rina-S; PRO1184)

FR $\alpha$ -targeted ADC

## in recurrent, epithelial ovarian cancer

Rinatabart sesutecan (Rina-S; PRO1184)<sup>1,2</sup>

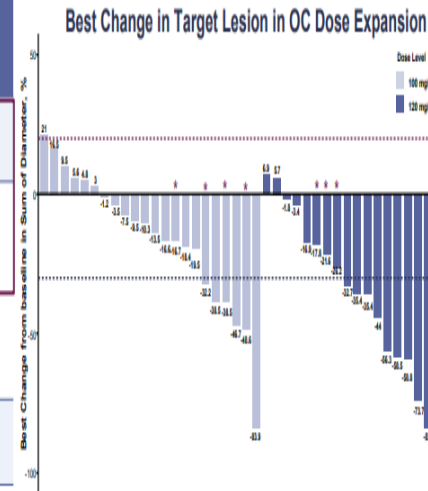
Efficacy<sup>1</sup>

Safety<sup>1</sup>

### Antitumor Activity | OC – Dose Expansion

Rina-S showed encouraging antitumor activity at 120 mg/m<sup>2</sup> Q3W, including a complete response, in patients with heavily pretreated OC

OC Dose Expansion	Rina-S	
	100 mg/m <sup>2</sup> n = 22 <sup>b</sup>	120 mg/m <sup>2</sup> n = 18 <sup>b</sup>
Confirmed ORR, <sup>a,b</sup> % (95% CI)	18.2 (5.2-40.3)	50.0 (26.0-74.0)
Best overall response, <sup>b</sup> n (%)		
CR	0	1 (5.6)
PR	4 (18.2)	8 (44.4)
SD	15 (68.2)	7 (38.9)
PD	3 (13.6)	1 (5.6)
Not evaluable	0	1 (5.6)
DCR, % (95% CI)	86.4 (65.1-97.1)	88.9 (65.3-98.6)
Median DOR (95% CI)	NR (NR-NR)	



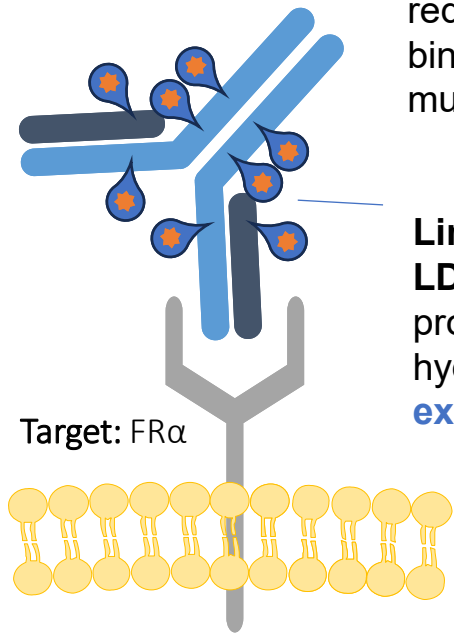
Median no. of cycles: 6.5 (100 mg/m<sup>2</sup>) and 7.0+ (120 mg/m<sup>2</sup>)

Treatment duration, range: 3.0-42.0+ weeks  
Median on-study follow-up: 24 weeks

### Phase 1 dose-expansion study

#### Summary of Drug-Related TEAEs occurring in at least 10% of overall population – Part B

	100 mg/m <sup>2</sup> (n=9*) n(%)			120 mg/m <sup>2</sup> (n=9) n(%)		
	Any	G3	G4	Any	G3	G4
Nausea	4 (44.4)	-	-	4 (44.4)	-	-
Neutropenia	2 (22.2)	1 (11.1)	-	5 (55.6)	1 (11.1)	2 (22.2)
Anemia	2 (22.2)	1 (11.1)	-	4 (44.4)	2 (22.2)	-
Leukopenia	2 (22.2)	-	-	4 (44.4)	1 (11.1)	-
Fatigue	3 (33.3)	1 (11.1)	-	2 (22.2)	-	-
Diarrhoea	2 (22.2)	-	-	2 (22.2)	-	-
Thrombocytopenia	-	-	-	4 (44.4)	1 (11.1)	1 (11.1)
Malaise	-	-	-	3 (33.3)	1 (11.1)	-
Vomiting	1 (11.1)	-	-	2 (22.2)	-	-



**mAb:** F131, proprietary human IgG1, rapidly internalizing, reduced Fc $\gamma$ R binding (LALA mutation)

**Linker-payload:** LD038 sesutecan; proprietary hydrophilic linker, exatecan payload **DAR 8**

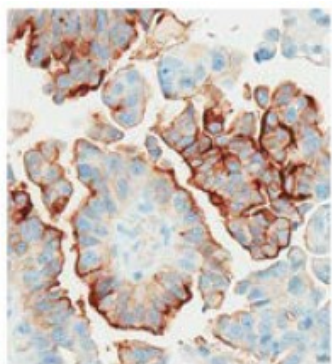
<sup>a</sup>CI calculations: ORR, DRC—Clopper-Pearson's exact method; PFS, OS—Kaplan-Meier estimate and Greenwood formula.

ADC, antibody-drug conjugate; CI, confidence interval; CR, complete response; DAR, drug-to-antibody ratio; DCR, disease control rate; FR $\alpha$ , folate receptor alpha; Gr, grade; HGS, high-grade serous; ILD, interstitial lung disease; mOS, median overall survival; mPFS, median progression-free survival; NE, not estimable; ORR, objective response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PR, partial response; SD, stable disease; TEAE, treatment-emergent adverse event.

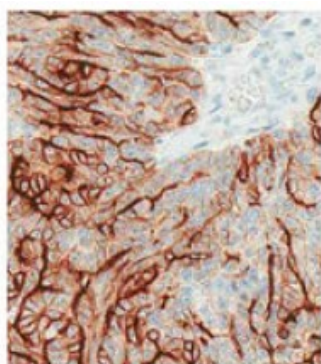
1. E.K. Lee<sup>1</sup>, O. Yeku<sup>2</sup>, I. Winer<sup>3</sup>, E.P. Hamilton<sup>4</sup>, D.L. Richardson<sup>5</sup>, J. Zhang<sup>6</sup>, G.E. Konecny<sup>7</sup>, I.C. Anderson<sup>8</sup>, X. Wu<sup>9</sup>, D. Orr<sup>10</sup>, S. Patel<sup>11</sup>, A. Jewell<sup>12</sup>, J. Wang<sup>13</sup>, A.I. Spira<sup>14</sup>, A. Melnyk<sup>15</sup>, L. Seamon<sup>16</sup>, E. Kavalierchik<sup>17</sup>, Z. Chen<sup>18</sup>, E. Song<sup>17</sup>, J.A. Call<sup>19</sup> ESMO 2024

# Patient selection for the FR $\alpha$ -targeting therapy with MIRV: characterization of folate receptor alpha (FR $\alpha$ ) expression

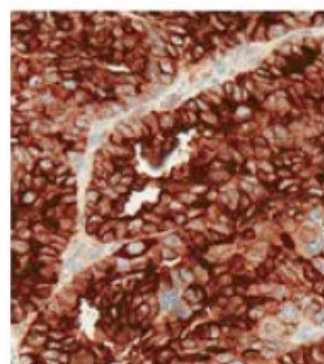
Representative low, medium, and high staining patterns for FR $\alpha$  from archival tumour specimens<sup>1</sup>



**Low**  
25–49% of cells with  $\geq 2+$  intensity



**Medium**  
50–74% of cells with  $\geq 2+$  intensity



**High**  
 $\geq 75%$  of cells with  $\geq 2+$  intensity

Figure adapted from Martin LP, et al.<sup>1</sup>

Prevalence of PS2+ FR $\alpha$  expression in 2,869 pooled samples from patients with HGSOc<sup>2</sup>

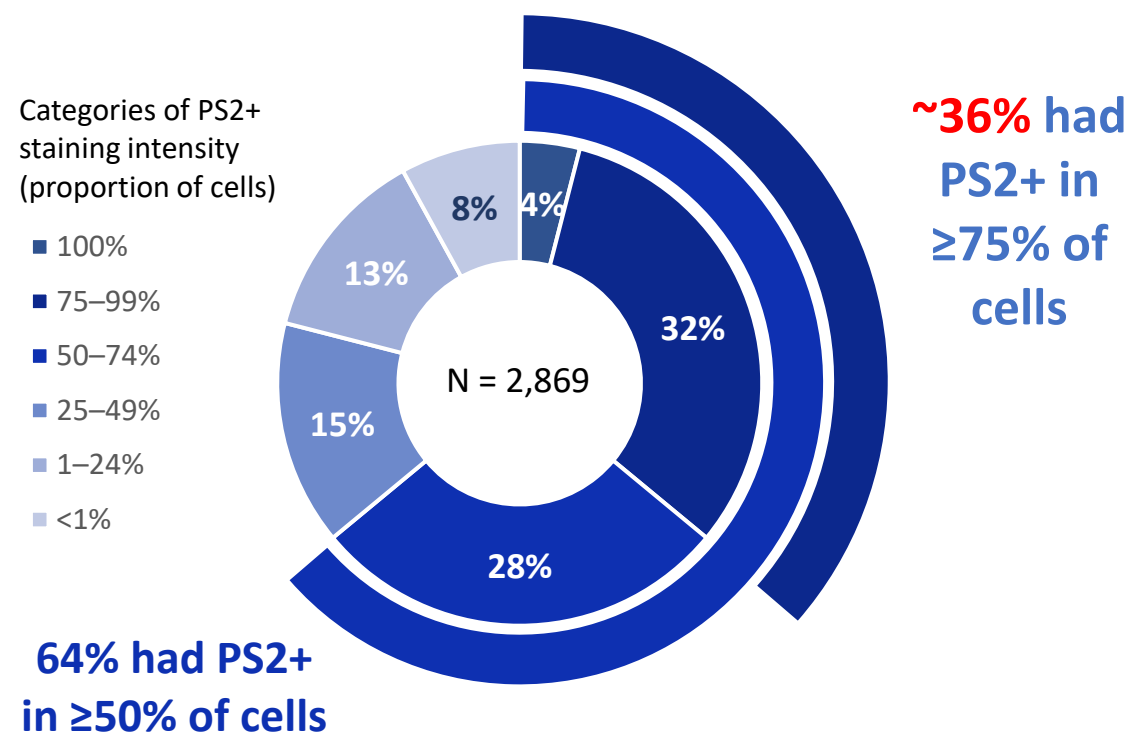
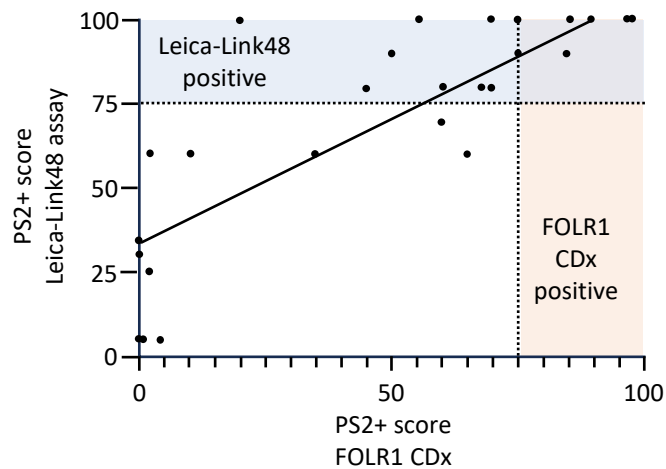


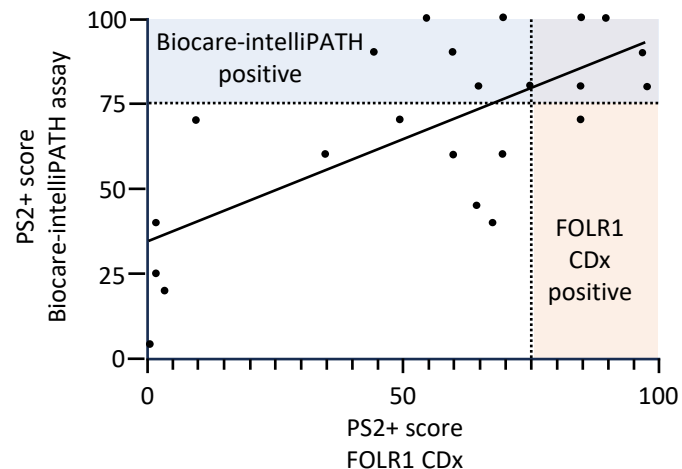
Figure adapted from Deutschman E, et al.<sup>2</sup> with a modified layout.

# Comparison of the Ventana FOLR1 (FOLR1-2.1) CDx assay VS other IHC research assays for FR $\alpha$ detection in FFPE samples

Correlation plot between the FOLR1 CDx and Leica-Link48 assays



Correlation plot between the FOLR1 CDx and Biocare-intelliPATH assays



Percentage agreement with the FOLR1 CDx assay

	Positive	Negative	Overall
Leica-Link48 assay	100	60	71
Biocare-intelliPATH assay	86	74	77

Figures adapted from Deutschman E, et al.<sup>1</sup>

## Authors' conclusions:

- These data highlight the **need for caution in antibody selection** when developing IHC-based assays, as some antibodies failed to identify FR $\alpha$  cleanly and specifically
- **The Ventana FOLR1 (FOLR1-2.1) CDx assay should be used during patient selection for the FR $\alpha$ -targeting therapy MIRV**

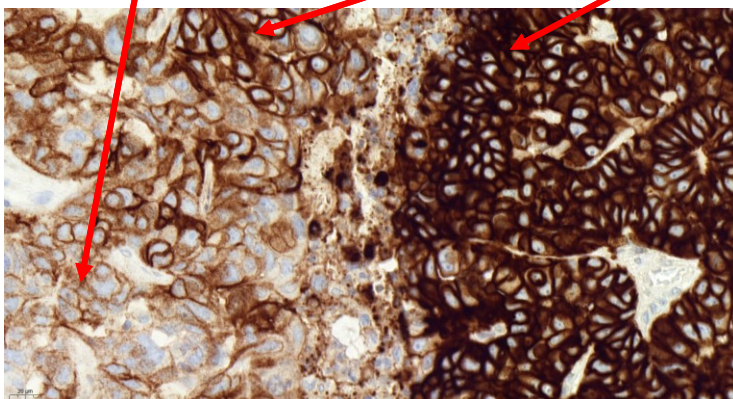
CDx, companion diagnostic; FFPE, formalin-fixed paraffin-embedded; FOLR1 or FR $\alpha$ , folate receptor alpha; IHC, immunohistochemical; MIRV, mirvetuximab soravtansine; PS2+, positive staining 2+.

1. Deutschman E, et al. 36th European Congress of Pathology (ECP). 2024; Abs 1566 and poster.

## PS2+ Scoring

- In all prior studies, PS2+ scoring was used to assess FR $\alpha$  expression
- Eligibility determined by staining intensity and percentage of tumor cells staining at 0, 1+, 2+, or 3+

1+ intensity      2+ intensity      3+ intensity



### PS2+ Scoring

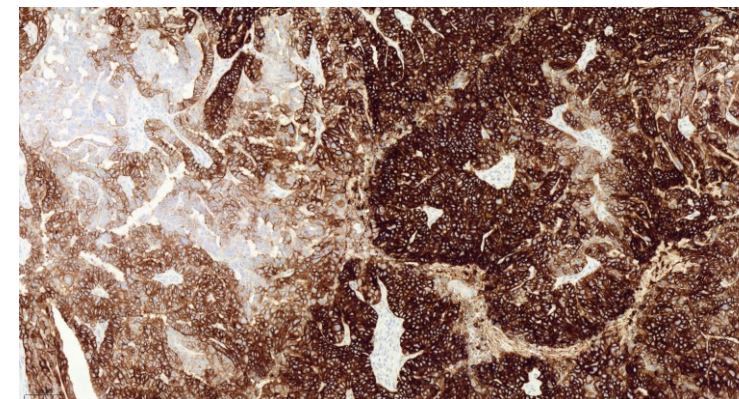
Positive:  $\geq 50\%$  of tumor cells with FR $\alpha$  membrane staining with  $\geq 2+$  intensity

## 10X Scoring

- In FORWARD I, a simplified scoring method to assess FR $\alpha$  expression was implemented
- Eligibility was determined by scoring just the percentage of cells with membrane staining by  $\leq 10X$  magnification, without regard to intensity

### 10X Scoring

Positive:  $\geq 50\%$  of tumor cells with FR $\alpha$  membrane staining visible at 10X microscope objective



Bridging study indicated that 10X scoring was sufficient for patient selection  
Exploratory analyses suggest that the change in scoring method from PS2+ to 10X introduced a population of patients into FORWARD I with lower levels of FR $\alpha$  expression than intended

# Key takeaways

**ADCs an exciting new class of drugs, which are COMPLEX**

**many ADCs in clinical development** with different antibodies, targets, linkers and payloads

**All great opportunities come with challenges/questions**

- Which ADC to choose?
- How much target/biomarker is needed?
- What is the best cut-off (if any)?
- Intra- and intertumoral heterogeneity
- What is the best assay?
- How to sequence?
- Apply in which setting (treatment line or maintenance)?
- Adverse event profile?
- Possible combinations with other drugs?



**We are learning through experience**

**some ADCs will succeed, some will fail**

**First approval of ADC in Gynae Onc in Europe:**

**Mirvetuximab Soravtansine in platinum-resistant ovarian cancer**



Scientific Programme Chair  
**Isabelle Ray-Coquard**



ESGO+Congress president  
**Anna Fagotti**

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