

# ESMO 2022

## Pre-Conference Summary



# ESMO 2022 Overview

## ESMO'22 By The Numbers



1600+

E-posters

~75

Late Breaking Abstracts (LBAs)

45+

Abstract submission categories

120+

Total participant companies

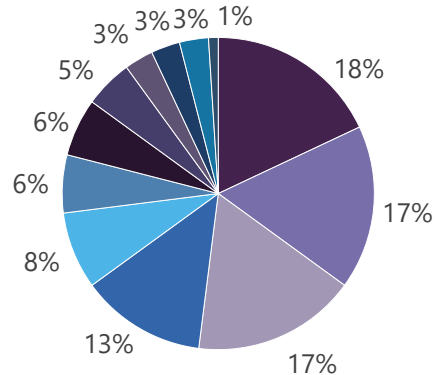
~10

Participant societies



## At-a-glance

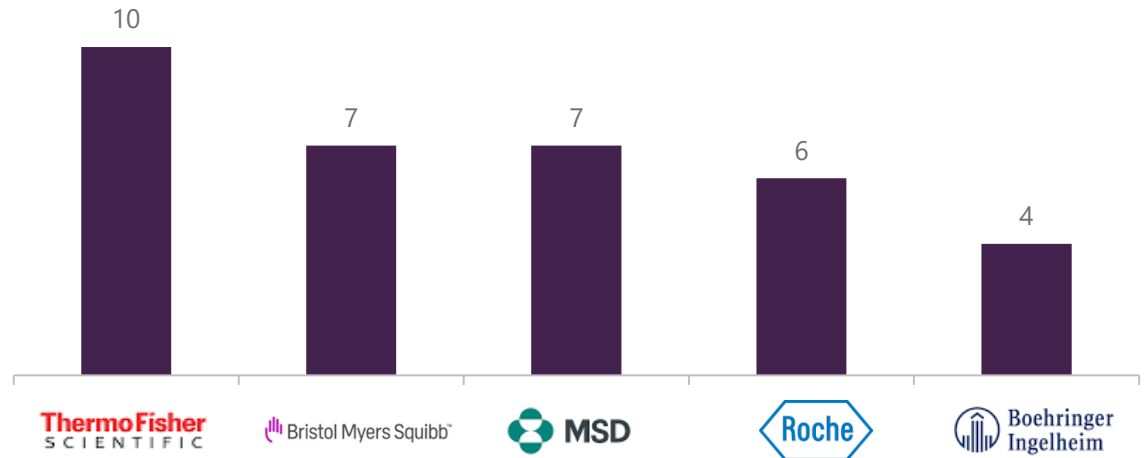
### Overarching Session Coverage



- Breast Cancer
- GI
- Head and Neck Cancer
- Endocrine Cancer
- Lung Cancer
- Gynecological Cancer
- Brain Cancer
- Sarcoma
- Urinary Tract Cancer
- Skin Cancer
- Hematological Malignancies
- Solid Tumors

- 150+ sessions planned across 12 broad oncology indications
- Breast cancer accounts for maximum number of sessions (~30) to be presented during the conference, followed by Lung cancer and UT cancer accounting for 17% each

### Industry Satellite Symposia Presence



- ThermoFisher leads the top 5 companies with major conference presence through "Industry Satellite Symposia"
- Other key players include BMS, MSD, Roche and BI

# Top Industry Satellite Symposia presenters across key segments

1

GI Tumors

>> Active participation from 13 companies (20+ presentations) <<



2

NSCLC

>> Active participation from 11 companies (15+ presentations) <<



3

Breast Cancer

>> Active participation from 8 companies (10+ presentations) <<



4

Developmental Therapeutics

>> Active participation from 6 companies (5+ presentations) <<



\*Analysis limited to participation across most active indication categories in "Industry Satellite Symposia"

# Key abstracts set to be presented at ESMO 2022

728 O	Ph1 dose escalation data of IMC-F106C	IMMUNOCORE	<ul style="list-style-type: none"> <li>Debut data from the first &amp; only off-the-shelf PRAME targeted ImmTAC (T-cell redirecting bispecific protein) in solid tumors</li> <li>Could validate a large multi-billion potential opportunity</li> </ul>
1133 P	Additional Ph2 safety data from adagrasib's KRYSTAL-1	MIRATI THERAPEUTICS	<ul style="list-style-type: none"> <li>Additional <b>practice-informing AE patterns of adagrasib</b> to strengthen probability of success in 2L NSCLC as combination under analysis demonstrated less toxicity during previous prelim data readout</li> </ul>
315 O	Full expansion cohort safety & efficacy data for Ph1b (CodeBreak 101) for sotorasib + panitumumab	AMGEN	<ul style="list-style-type: none"> <li>Expected to further fuel the existing preclinical evidence of synergistic angle of adding of an EGFR inhibitor to KRASG12C inhibition</li> </ul>
735 MO	Updated safety and efficacy Ph1 (SURPASS) data of ADP-A2M4CD8 (MAGE-A4)	Adaptimmune	<ul style="list-style-type: none"> <li>Expected to build on the existing encouraging efficacy data reported at ESMO'21, indicating majority of pts experiencing disease control and RECIST responses in several solid tumor types</li> </ul>
214 MO	Detailed OS data from Ph3 TROPiCS-02 study for Trodelvy (sacituzumab govitecan)	GILEAD Creating Possible	<ul style="list-style-type: none"> <li>Gilead in second interim analysis (Aug'22) indicated <b>statistically significant and clinically meaningful OS benefit with sacituzumab in HR+/HER2- breast cancer</b>. Detailed results expected to be presented at ESMO'22</li> </ul>
617 O	Initial clinical data from Ph1 (China focused) lemzo + aza doublet	I-MAB BIOPHARMA	<ul style="list-style-type: none"> <li>Post latest (Aug'22) global Ph1b trial discontinuation for the triplet, lemparlimab + ven + aza, in ND IC IE AML and MDS, this <b>data is likely to decide fate of the asset</b> in one of the key indication being perused (i.e., MDS)</li> </ul>
754 P	Monotherapy: dose escalation clinical data from Ph1/2 for AFM-24	AFFIMED	<ul style="list-style-type: none"> <li>With distinctive MOA acting independent of EGFR signaling coupled with encouraging prelim clinical data and targeting broad STs population, this <b>readout could supplement to potential of emerging new SOC for EGFR+ solid tumors</b></li> </ul>
519 MO	Long term survival analysis for Ph3 EMPOWER-Cervical of cemiplimab (#)	REGENERON	<ul style="list-style-type: none"> <li>This <b>long-term survival data likely to strengthen existing findings of cemiplimab</b> resulting in statistically significant benefit vs chemo in the R/M cervical cancer pts for GHS/QoL and physical functioning</li> </ul>

# Pre-Conference Analysis of Key Abstracts



# FIH data from Ph1 dose-escalation study of IMC-F106C, the first and the only off-the-shelf TCE bispecific protein in solid tumors

## Background

Tumor	Asset (Target)	Highlight
Solid Tumors	IMC-F106C (PRAME)	Initial clinical data

## Trial Design

Phase NCT	Location	LoT	Arms	Regimen
Ph1/2 NCT04262466	US, UK	2L+	2	Mono & Combo (+ anti-PD-L1)

## Key Highlights

FIH results AT ESMO'22

Solid Tumors **ImmTAC** FirstInClass  
PRAME biomarker

Bispecific protein

First off-the-shelf TCE  
Eye catching data

Therapeutic Agent

KOLs Expecting



## Analyst Opinions/KOL view

- IMC-F106C holds blockbuster drug potential and could generate peak annual revenues of \$3 Bn+ - *H.C. WAINWRIGHT*
- Analysts are highly optimistic of upcoming readout, specially when another key PRAME competitor Immatics' IMA203 set low bar with ORR of 13% (or 11% ORR in the ITT population) – *Cowen Research*
- *One of the key presentations under radar of multiple analysts at ESMO'22 (Jefferies, Barclays etc.)*

## Asset Deep Dive



The **first PRAME targeted ImmTAC** in multiple solid tumors.

Also, the **first & only off-the-shelf** therapeutic against PRAME prognostic biomarker

In the Ph1 dose escalation study, 39 patients were enrolled. The company planned to report data from at least 20 PRAME+ and efficacy evaluable patients at ESMO'22

ESMO data should provide greater insight into which indications could be best suited for IMC-F106C

NSCLC viewed to be an interesting potential first indication



**“Researcher, Germany”** highlighted potential in the debut data readout for IMC-F106 in solid tumors at ESMO'22



**Onco group, US** also demonstrated optimism towards IMCF106C initial Ph1 data

# Sotorasib's additional safety data presentation; high success probability in 2L NSCLC as the combination appears less toxic

## Background

Tumor	Asset (Target)	Highlight
NSCLC	Adagrasib (KRASG12C)	Updated safety data for KRASG12Cm NSCLC

## Trial Design

Phase NCT	Location	LoT	Arms	Regimen
Ph1/2 <a href="#">KRYSTAL-1</a>	US, Puerto Rico	1L+	9+	Mono & Combo (+ EGFRi, anti-PD-L1)

## Key Highlights

Positive analyst opinion

# Adagrasib

Potential Approval

Promising safety & efficacy data at ASCO'22

## Updated safety data

KRASG12C-mutated NSCLC

## KRYSTAL-1 Ph2 study

Positive analyst opinion



## Analyst Opinions/KOL view

- "We view the front-line NSCLC setting as key for the value of the KRASG12C franchise and MRTX's adagrasib + pembrolizumab combination seems to be easier to combine in this population" - **JMP Securities**
- Liver toxicity and TRAEs are generally lower with MRTX's adagrasib + PD-1 vs. sotorasib combos, despite monotherapy lead-in - **JMP Securities**
- This upcoming data also highlighted as key ESMO'22 presentation by several analysts - **Jefferies**
- Adagrasib could capture higher market in 1L/2L NSCLC as compared to Amgen's Lumakras, but adagrasib data needs to mature. Adagrasib has success probability of 90% in 2L NSCLC and 50% in 1L NSCLC - **BMO Capital**

## Asset Deep Dive



FDA accepted Mirati's NDA for adagrasib as treatment of previously treated KRASG12Cm NSCLC in Feb'22  
PDUFA date: 14<sup>th</sup> Dec'22

The company will provide further clarity on regulatory pathways of KRYSTAL-1 monotherapy arm of STK11 co-mutations in IL-NSCLC later this year

Initial data at ASCO'22 suggested adagrasib was well tolerated and has promising efficacy (mDoR was 16.4 mos, mPFS was 11.1 mos) in KRASG12Cm NSCLC pts

Pre-clinical data showed low potency, longer t-half, high selectivity, wide tissue distribution and good therapeutic index for KRASG12C



**Oncology researcher, Ireland** emphasized on the associated toxicity results disclosed so far from the trial



**Another Biotech group** eagerly waits for the upcoming data readout at ESMO'22 and expect to further build on previously reported at ASCO'22

# Updated clinical data of sotorasib could build on existing preclinical research evaluating synergistic potential of EGFR and KRAS<sup>G12C</sup> inhibition

Background		
Tumor	Asset (Target)	Highlight
CRC	Sotorasib (KRASG12C)	Full expansion data of CRC

Trial Design				
Phase NCT	Location	LoT	Arms	Regimen
Ph1/2 <a href="#">CodeBreakK101</a>	Global (US, EU)	1L+	3	Mono & Combo (+ EGFRi)

Exciting data at ESMO'22

**Sotorasib** + panitumumab

Updated clinical data

KRASG12C-mutated CRC


Phase 1b study

Encouraging data as reported for NSCLC arm


Solid Tumors

### Analyst Opinions/KOL view

- The previous results presented for Sotorasib created huge buzz around twitter and positive sentiments of KOLs on it, hence analysts have positive opinion for colorectal arm
  - The study highlighted as one of the key titles coverage in ESMO'22 by many analysts - **BMO Capital**
- Sotorasib + PD-1 mAbs (pembrolizumab and atezolizumab) has been associated with liver toxicity and no real efficacy increase vs monotherapy to account for the increased toxicity in NSCLC. The new combination (Sotorasib + Panitumumab) data in CRC is expected to be encouraging - **JMP Securities**



**Researcher, England** encouraged by Sotorasib, antitumor activity in NSCLC reported at WCLC'22



**Researchers from Germany & US** also highlighted the hepatotoxicity issues associated with the concurrent administration of sotorasib and Pembrolizumab

### Asset Deep Dive

Sotorasib targets KRAS<sup>G12C</sup>, a promising marker in solid tumors. Ph1 initial **data anticipated Q3, 2022** at ESMO 2022

**Initial results at ESMO'21**, this combo showed **ORR of 27% and DCR of 81%** and majority of TRAEs were gr1-2, no gr4 or fatal TRAEs observed in KRAS<sup>G12C</sup>mCRC patients

Promising efficacy/safety data from same trial's NSCLC arm presented at **WCLC'22** was hugely appreciated overall and similar data is expected for CRC as well

Based on **encouraging** safety and efficacy data at ESMO'21, company started **enrolling** in Ph3 study of this combo in 3L+ CRC

**AMGEN** [#3150 - Sotorasib in combination with panitumumab in refractory KRAS G12C mutated colorectal cancer: safety and efficacy for phase 1b full expansion cohort](#)



# Upcoming Ph1 data anticipated to solidify existing disease control and RECIST responses reported across solid tumors for ADP-A2M4CD8

## Background

Tumor	Asset (Target)	Highlight
MAGE-A4 Positive Tumors	ADP-A2M4CD8 (MAGE-A4)	Updated safety and efficacy result

## Trial Design

Phase NCT	Location	LoT	Arm	Regimen
Ph1 <a href="#">SURPASS</a>	US, EU, Canada	1L	1	Mono & Combo (+ nivolumab)

## Key Highlights

First Next-gen therapy  
 MAGE-4  
**ADPA2M4CD8**  
 Solid Tumors  
 Promising topline data  
 unresectable or metastatic tumors  
**SURPASS Ph1 study**  
 Positive analyst opinion



## Analyst Opinions/KOL view

- Even though the analysts are encouraged by development made so far with ADAP-A2M4CD8 still some speculation remains with ability of single TCR's to drive meaningful response rates- **Barclays Research**
- Post initial encouraging data across 5 solid tumors (ovarian, H&N, esophagogastric junction, bladder, and synovial sarcoma cancers) presented at [ESMO'21](#), analyst are equally excited for upcoming data in ovarian and esophageal cancers
- Several other analyst and KOLs are **positively looking** for the updated data at ESMO'22 - **Barclays, Mizuho Securities**

## Asset Deep Dive



The **first "next-gen" therapy** for MAGE-A4 that can express CD8α co-receptor alongside engineered TCR

**Pre-clinical data** showed co-expression of CD8α can boost immune response against solid tumors, **increases anti-tumor activity** by using CD4+ cells into CD8+ killer or cytotoxic T-cells while keeping CD4+ function

Topline data from the same trial for 22 pts presented at [ESMO'21](#) demonstrated **ORR 36%** and **DCR 86%** across 5 STs and promising durability

Efficacy data from 43 evaluable pts to be presented at ESMO'22



**"Researcher, Germany"** showed excitement around upcoming results of ADP-A2M4CD8 combination study with nivolumab



**"Researcher, France"** demonstrated optimism from the updated data for ADPA2M4CD8 SURPASS trial in ESMO'22



**#735MO- Updated safety and efficacy from SURPASS, Ph1 trial of ADPA2M4CD8, a T-cell therapy, in previously treated unresectable or metastatic tumors**

# Along with improving PFS 3X at 1-year mark, Trodelvy has also improved QoL over physician's choice of chemo in TROPiCS-02

## Background

Tumor	Asset (Target)	Highlight
Breast cancer	Trodelvy (TROP-2)	Second interim analysis

## Trial Design

Phase NCT	Location	LoT	Arm	Regimen
Ph3 TROPiCS-02	Global (US, EU)	2L+	1	Mono

## Key Highlights

Exciting data at ESMO'22

Added in NCCN guidelines

# Ph3 TROPiCS-02

Seeking approval in mBC

## HR+/HER2-mBC

Primary endpoint met

## Sacituzumab govitecan

First TROP-2 directed ADC for mBC



## Analyst Opinions/KOL view

- Updated results from this result will likely provide updated data for SG compared with single-agent chemotherapy that may lead to a novel, effective later-line treatment option for patients with HR+/HER2- mBC to address a dire unmet medical need
- "We expect FDA to approve Trodelvy for HR+/HER2-mBC, but we need to see OS data to assess its competitive profile vs. AZN's Enhertu" - Analyst from **SVB Securities**
- Consensus forecasts Trodelvy could generate peak revenues of USD **2.1Bn and 3.3Bn in 2025 and 2028** respectively - **investment bank Barclays**

## Asset Deep Dive



Gilead reported meeting PEP of PFS (5.5 mos for SG vs 4 mos for chemo of physician's choice). Detailed analysis was presented at **ASCO'22**

Drug has already been added in **NCCN guidelines** as category 2A recommendation for HR+/HER2-mBC based on positive data reported at ASCO'22

It is **first TROP-2 directed ADC** against BC which has shown significantly increased OS (SEP), as reported in company PR, in **Aug'22**. Detailed data to be disclosed at ESMO'22

Detailed upcoming OS data to further supplement the related **sBLA submitted** to the FDA for HR+/HER2 mBC



**Big Oncology group, US** look forward to the TROPiCS-02 study results, in HR+/HER2-mBC



**Analyst from Scrip** remain **thrilled** around Gilead's second interim analysis for TROPiCS-02 but also warn around upcoming competitive headwinds from AstraZeneca/Daiichi Sankyo's Enhertu



**#214MO - Sacituzumab govitecan (SG) efficacy in HR+/HER2-mBC by HER2 immunohistochemistry (IHC) status in the phase 3 TROPiCS-02 study**

# Encouraging efficacy results observed with lemzoparlimab in 1L HR-MDS prelim Ph2 results, especially in pts with median follow-up of ≥ 6 months

## Background

Tumor	Asset (Target)	Highlight
ND or R/R IR/HR-MDS	Lemzoparlimab (CD47)	Initial clinical data

## Trial Design

Phase NCT	Location	LoT	Arms	Regimen
Ph1/2 <a href="#">NCT04202003</a>	China	ND, R/R	2	Mono & Combo (+ Aza)

## Key Highlights

Initial clinical results  
Optimistic around data

# Lemzoparlimab

Front-runner in China

## HR-MDS

Ph1/2 results

Recent triplet trial discontinuation

First CD47 product in China



## Analyst Opinions/KOL view

- Amidst the latest discontinuation coming as a set-back for I-Mab, positive data from this trial could further decide the position of lemzo in the crowded CD47 space
- Lemzoparlimab preliminary Ph2 results in 1L HR-MDS showed encouraging efficacy signal, especially in the patients with median follow-up duration ≥ 6 months
- Highlighted as one of the interesting datasets to be presented at ESMO'22 - **BMO Capital** (ESMO 2022 Titles: What Caught Our Attention), **Jefferies** (Top 10 Datasets To Watch)

## Asset Deep Dive



As disclosed in I-Mab's [FY'21](#) results, the company is looking for registration of lemzo in China first and hopes to launch the product in next 3 years (2025)

Company claims lemzo being a differentiated CD47 with low RBC binding, minimizing chances of severe anemia

No priming dose or sink effect, favorable safety profile ([ASH'21](#)) and strong anti-tumor activity (AML/MDS) boosts company's confidence even further

I-Mab confirmed in its 6-K filing ([Aug'22](#)), that partner AbbVie to discontinue global Ph1b lemzo+ven+aza triplet study in AML/MDS pts. Decision not derived by any unexpected the trial (additional details awaited)



**Oncology group, US** remain optimistic around this upcoming final I-MAB's initial Ph2 data for lemzoparlimab in ESMO'22



**Researcher, China** highlighted the recent global triplet trial discontinuation by partner AbbVie MDS & AML pts



[#6170](#) - Lemzoparlimab, a differentiated anti-CD47 monoclonal antibody, in combo with aza in patients with newly diagnosed HR-MDS: initial clinical results

# AFM24 evokes hope to benefit broad set of patients with hard-to-treat EGFR-expressing cancers

## Background

Tumor	Asset (Target)	Highlight
Solid Tumors	AFM24 (EGFR)	Updated clinical result

## Trial Design

Phase NCT	Location	LoT	Arms	Regimen
Ph1/2 AFM24-101	US, Korea, Spain, UK	1L+	1	Mono

## Key Highlights

Updated data at ESMO'22  
 Potential treatment paradigm disruptor  
**AFM24**  
 Ph1 results  
**EGFR-STs**  
 Targeting huge market  
**Promising topline data**  
 New standard of care



## Analyst Opinions/KOL view

- AFM24 represents large market opportunity targeting several STs
  - For the broad clinical AFM24 program, patients are recruited in three studies, two of which are combination studies, in 7 indications [including RCC, NSCLC (EGFRm), colorectal cancer (KRAS wild-type, MSS), GEJ etc.]
- Global therapeutics market for EGFR+ tumors projected to surpass 1.5 Mn pts by 2022 – *Affimed Corporate Presentation Jun'22*
- Several key analyst reports also included this study in their shortlisted titles to be focused in ESMO'22 – *Jeffries & Barclays*

## Asset Deep Dive



Given distinctive MOA AFM24 is potentially eligible for treatment of all EGFR+ tumors, regardless of EGFR-pathway mutations and EGFR receptor density	Latest correlative data (NK'22) support rationale for AFM24 as mono and two combo that are currently under way in separate ph1/2a studies with SNK01 and with Tecentriq	First results for mono trial (AFM24-101) presented well-managed safety profile, PD activity for doses ≥ 160 mg and SD: 8/24 response evaluable pts	Preclinical data at AACR'22 showed, EGFR+ solid tumor cell lines can be killed by NK cell-mediated immunity, regardless of EGFR gene's mutation status
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**A KOL US**, remain thrilled for AFM24 complete dose escalation data as mono at ESMO'22, but also expressed uncertainty if the data will include exploratory higher dose or not



**Another KOL US**, expressed concern around unclear efficacy data readout timeline for AFM24 in EGFR+ STs



#754P - A Phase 1/2a dose escalation study of AFM24 in patients with EGFR solid tumors: Results from Phase 1

# Cemiplimab outperforms investigator's choice chemotherapy in the 2L cervical carcinoma, based on existing data

## Background

Tumor	Asset (Target)	Highlight
Cervical cancer	Cemiplimab (PD-1)	Updated clinical result

## Trial Design

Phase NCT	Location	LoT	Arms	Regimen
Ph3 <a href="#">EMPOWER-Cervical 1</a>	Global (US, EU)	2L+	1	Mono

## Key Highlights

Met Primary Endpoints

# EMPOWER-1

Improved OS, PFS & ORR  
2L Cervical cancer

Positive pivotal data

Regeneron's oncology backbone

Outperforming results at ESMO'21



## Analyst Opinions/KOL view

- After BCC, CSCC & NSCLC, cervical cancer is the fourth indication which has demonstrated positive pivotal data for cemiplimab
- Based on the previous reported results analysts remain optimistic around this long-term survival data to be presented at ESMO'22
  - The Cemiplimab long-term survival data is interesting to look for - **BMO Capital Markets**
- Several other analysts remain positive and showed interest in upcoming data – **Barclays, Jeffries**

## Asset Deep Dive



Ph3 positive data of Cemiplimab from the same trial was presented at ESMO'21 virtual plenary where it exhibited improved results than chemo

Cemiplimab showed **improved OS (31%), PFS (25%) & ORR (16%)** in overall population of cervical cancer with along with elevated GHS/QOL

sBLA filed in Sep'21 for 2L cervical cancer was **voluntarily withdrawn (Jan'22)** as company & FDA couldn't come to common grounds for **post marketing studies**

sBLA was filed on initial data of this EMPOWER Ph3 trial itself. The company is in active discussion with regulatory authorities outside US

REGENERON

#519MO - Phase 3 EMPOWER-Cervical 1/GOG-3016/ENGOT-cx9 trial of cemiplimab in R/M cervical cancer: Long-term survival analysis



The upcoming long-term survival data catching attention from KOLs - **Oncology group, US**



Cemiplimab continues to be the backbone of Regeneron's oncology pipeline, **Onco researcher, France**

Interested in collaborating for  
conference coverage?

Please contact us at  
[EVSconferences@evaluateserve.com](mailto:EVSconferences@evaluateserve.com)

**Thank You**

