



The global leader in developing LAG-3 therapeutics

Corporate Presentation
May 2021

(ASX: IMM, NASDAQ: IMMP)

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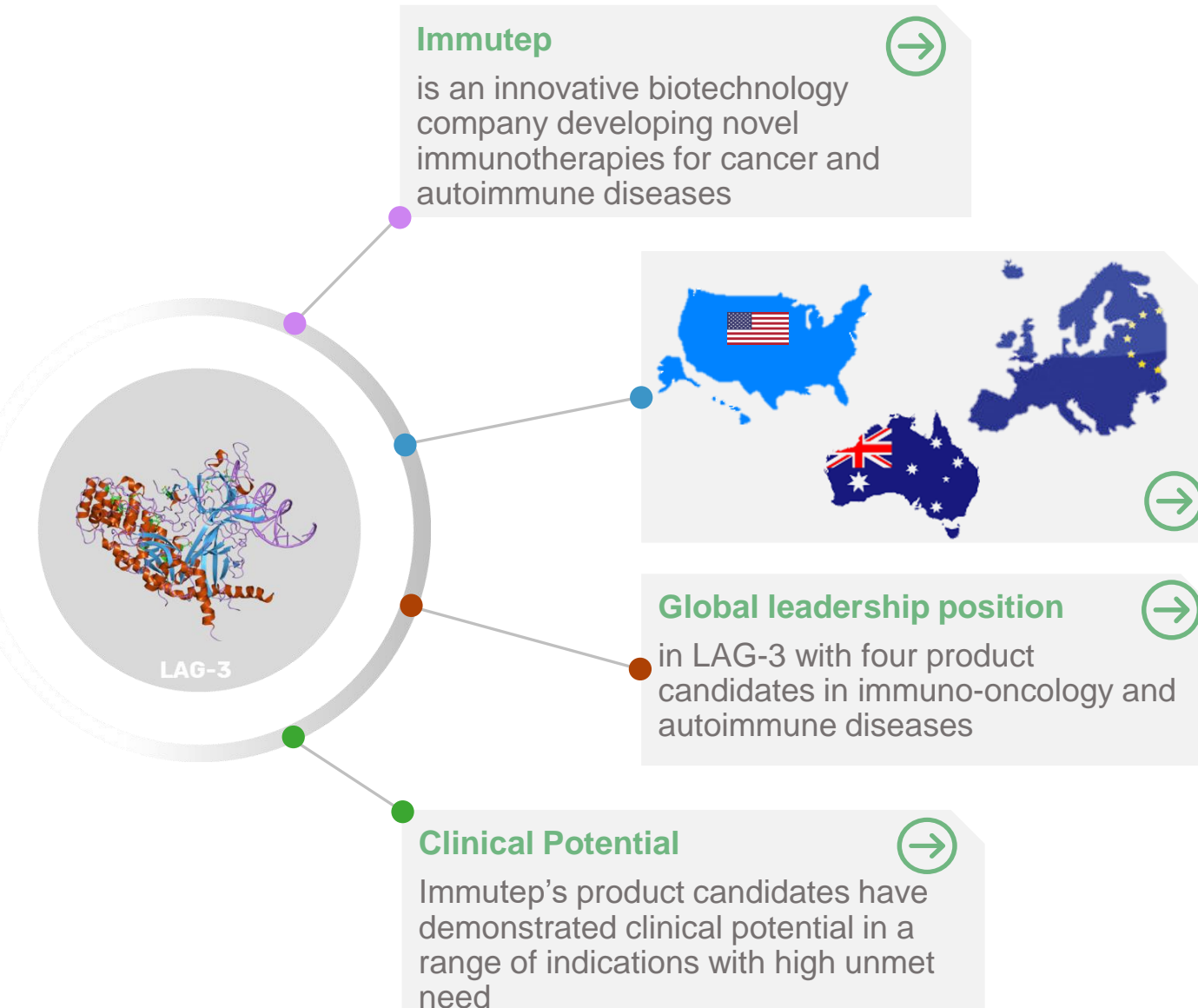
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Overview



Collaboration deals executed with industry leaders



Corporate Strategy:

To develop product candidates to sell, licence or partner with large pharmaceutical companies at key value inflection points

Directors & Officers



Russell J. Howard
PhD
Non-Executive
Chairman

Scientist, executive manager and entrepreneur; previously CEO of Maxygen & Oakbio, positions at NIH, DNAX, Affymax



Pete A Meyers
Non-Executive
Director & Deputy
Chairman

Former Chief Financial Officer of Eagle Pharmaceuticals, Inc.; previously CFO of Motif Bio; previously Co-Head of Global Health Care Investment Banking at Deutsche Bank



Grant Chamberlain
Non-Executive
Director

20+ years in investment banking; current partner of One Ventures; previously Head of Mergers and Acquisitions and Financial Sponsors Australia at Bank of America Merrill Lynch



Marc Voigt
Executive Director &
Chief Executive
Officer

20+ years in leading positions in finance (e.g. Allianz Group), venture capital and biotech industry, multiple financing & licensing transactions



Prof. Frédéric Triebel
MD PhD,
Chief Scientific
Officer & Chief
Medical Officer

Clinical haematologist, and PhD in immunology (Paris University) and successfully developed several research programs in immunogenetics and immunotherapy, leading to over 144 publications and 16 patents



Deanne Miller
Chief Operating
Officer, General
Counsel & Company
Secretary

Lawyer; previous positions at RBC Investor Services, Westpac, Macquarie and ASIC

LAG-3 Overview

- The most promising immune checkpoint -

LAG-3 Therapeutic Landscape Overview

		Company	Program	Preclinical	Phase I	Phase II	Phase III	Total Trials	Patients	
Oncology	Agonist	immuteP ⁺ LAG-3 IMMUNOTHERAPY	Eftilagimod Alpha ⁽⁵⁾		10	4		14	940	
	Antagonist	BMS	Relatlimab		10	27	2	Validation "demonstrate a benefit for patients" ⁽⁶⁾	39	10,186
		NOVARTIS	Ieramilimab		1	4			5	1,069
		Macrogenics	Tebotelimab		3	3			6	1321
		Merck & Co. Inc.	MK4280		2	3		5	1080	
		B.I.	BI754111		4	1		5	380	
		Regeneron ⁽¹⁾	Fianlimab		1	1		2	769	
		H-L Roche	RO7247669		1	1		2	575	
		Incyte	INCAGN02385		1	1		2	74	
		Symphogen ⁽²⁾	SYM022		3			3	223	
		F-star	FS-118		2			2	102	
		Tesaro ⁽³⁾	TSR-033		2			2	75	
		Innovent	IBI110		1			1	268	
Xencor	XmAb-22841		1			1	242			
Autoimmune	Agonist	immuteP ⁺ LAG-3 IMMUNOTHERAPY	IMP761					--	--	
	Depleting AB	gsk ⁽⁴⁾	GSK2831781 (IMP731)		2	1		3	164	

Sources: GlobalData, Company websites, clinicaltrials.gov, and sec.gov, as of May 2021. The green bars above represent programs conducted by ImmuteP &/or its partners. Total trials includes all active, completed &/or inactive trials. Patient totals are based on estimated total enrolled &/or to be enrolled. Not a complete list of currently existing LAG-3 products.

1) As of January 7, 2019 Regeneron is in full control of program and continuing development (https://www.sec.gov/Archives/edgar/data/872589/000110465919000977/a19-1325_18k.htm)

2) On 3 Apr. 2020 Les Laboratoires Servier Acquires Symphogen

3) Tesaro was acquired by and is now part of GSK (www.gsk.com/en-gb/media/press-releases/gsk-completes-acquisition-of-tesaro-an-oncology-focused-biopharmaceutical-company/)

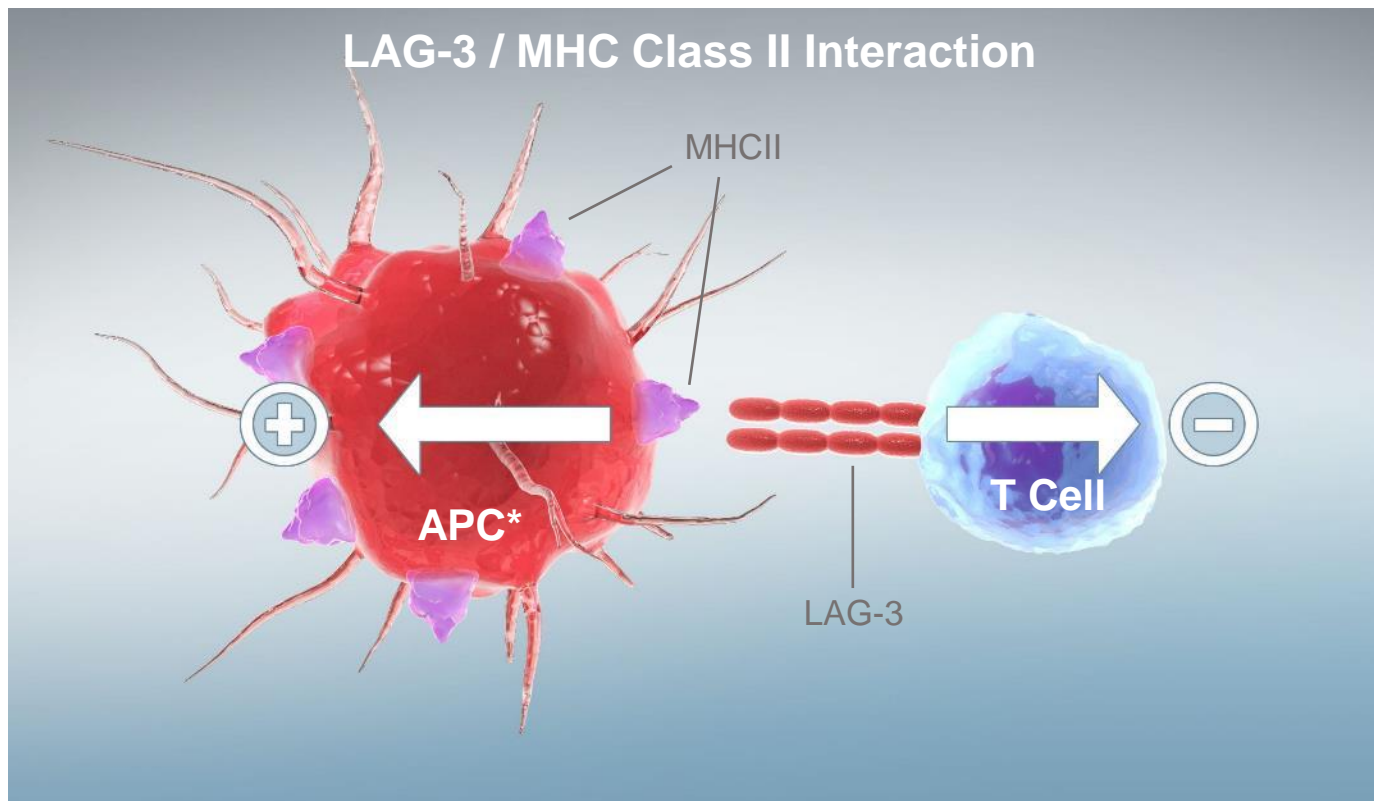
4) Includes two completed Phase I studies and one discontinued Phase 2 study (see slide 9)

5) Including IITs, two planned trials (MBC trial by EOC and HNSCC trial) and the EAT COVID trial

6) RELATIVITY-047 (<https://investors.bms.com/iframes/press-releases/press-release-details/2021/Bristol-Myers-Squibb-Announces-RELATIVITY-047-a-Trial-Evaluating-Anti-LAG-3-Antibody-Relatlimab-and-Opdivo-nivolumab-in-Patients-with-Previously-Untreated-Metastatic-or-Unresectable-Melanoma-Meets-Primary-Endpoint-of-Progression-Free-Survival/default.aspx>)

LAG-3 as a Therapeutic Target

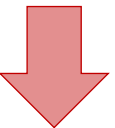
LAG-3, an immune checkpoint, is widely expressed on tumor infiltrating lymphocytes (TILs) and cytotoxic T cells → **Prime target for immune therapy**



→ **Positive regulation** of antigen presenting cells (APCs) → increase in antigen presentation to cytotoxic CD8⁺ T cells

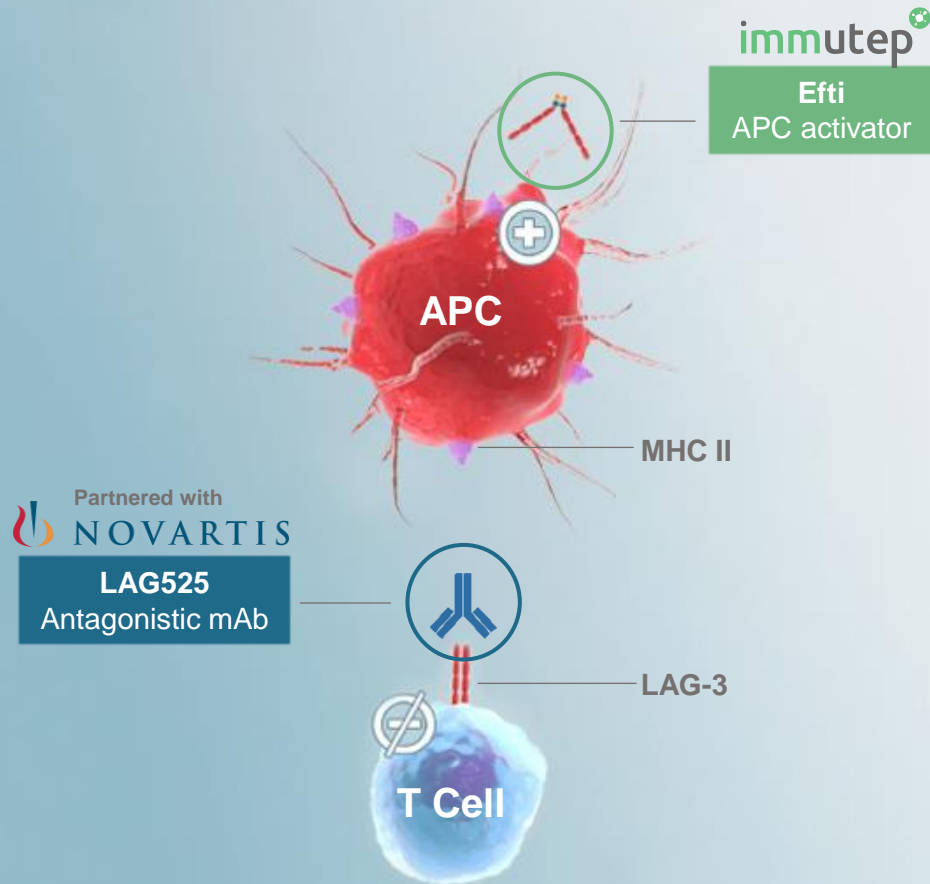


→ **Negative regulation** of LAG-3⁺ T Cells



Targeting LAG-3 / MHC II: Multiple Therapeutics in Numerous Diseases

IMMUNOSTIMULATION

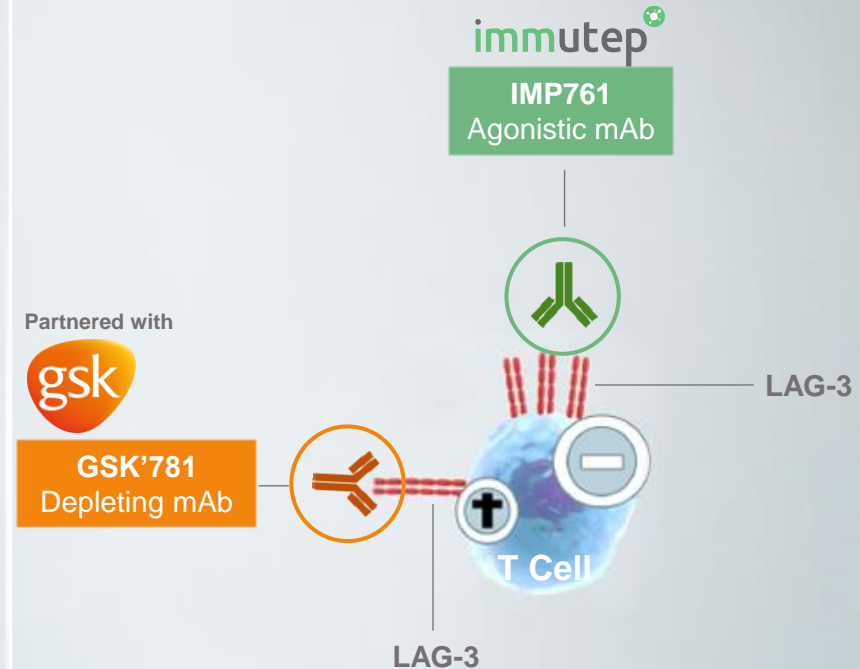


**RELEVANT
DISEASES**

Immuno-oncology
Combination Therapies

Viral Infections

IMMUNOSUPPRESSION



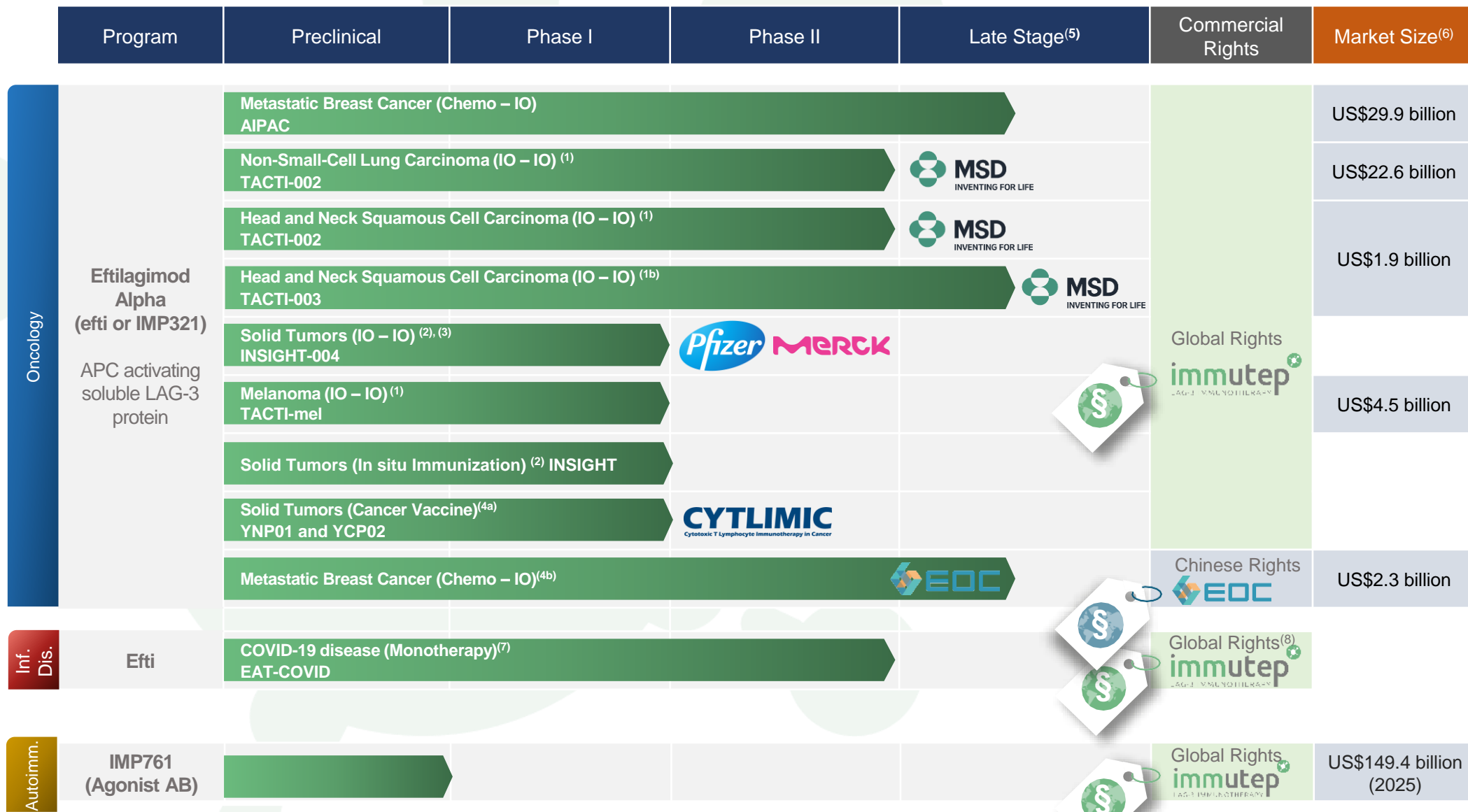
**RELEVANT
DISEASES**

Rheumatoid
Arthritis

IBD

Multiple
Sclerosis

Immunotherapy Pipeline*



Notes

* Information in pipeline chart current as at May 2021

- (1) In combination with KEYTRUDA® (pembrolizumab) (1b) Planned new trial for 1st line HNSCC patients
- (2) INSIGHT Investigator Initiated Trial ("IIT") is controlled by lead investigator and therefore Immutep has no control over this clinical trial
- (3) In combination with BAVENCIO® (avelumab)
- (4) a) Conducted by CYTLIMIC in Japan; b) Conducted by EOC in China. Immutep has no control over either of these trials.
- (5) Late stage refers to Phase IIb clinical trials or more clinically advanced clinical trials
- (6) GlobalData Market Size forecast for US, JP, EU5, Urban China and Australia; [KBV Research: https://www.kbvresearch.com/autoimmune-disease-therapeutics-market/](https://www.kbvresearch.com/autoimmune-disease-therapeutics-market/)
- (7) IIT conducted by University Hospital Pilsen. Immutep has no control over this trial.
- (8) Ex China

Immutep Out-Licensed Immunotherapy Pipeline*

Program	Preclinical	Phase I	Phase II	Late Stage ⁽¹⁾	Commercial Rights/Partners	Updates
Oncology LAG525 (Antagonist AB)	Solid Tumors + Blood Cancer (IO-IO Combo)				Global Rights 	Novartis currently has five clinical trials ongoing for LAG525 in multiple cancer indications for over 1,000 patients ⁽⁴⁾
	Triple Negative Breast Cancer (Chemo-IO Combo)					
	Melanoma (IO-IO-Small Molecule Combo)					
	Solid Tumors (IO-IO Combo)					
	Triple Negative Breast Cancer (Chemo-IO-Small Molecule Combo)					
Autoimmune GSK781 (Depleting AB)	Ulcerative Colitis ⁽⁶⁾				Global Rights 	Two successful Phase I studies, but the Phase II clinical study in up to 242 ulcerative colitis patients was discontinued.
	Healthy Japanese and Caucasian Subjects ⁽²⁾					
	Psoriasis ⁽³⁾					

Notes

- * Information in pipeline chart current as at May 2021
- (1) Late stage refers to Phase IIb clinical trials or more clinically advanced clinical trials
- (2) Reflects completed Phase I study in healthy volunteers
- (3) Reflects completed Phase I study in healthy volunteers and in patients with plaque psoriasis

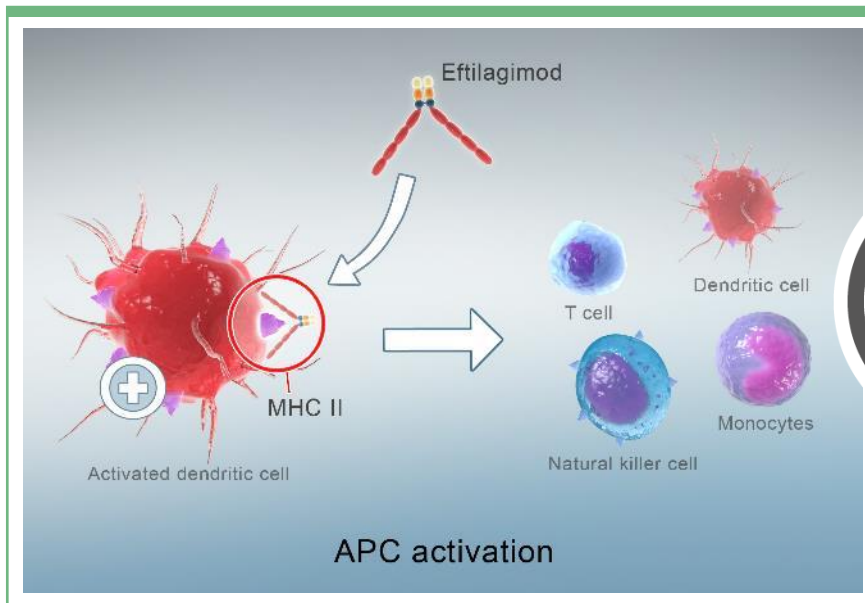
- (4) <https://clinicaltrials.gov/ct2/results?cond=&term=LAG525&cntry=&state=&city=&dist=>
- (5) <https://clinicaltrials.gov/ct2/results?cond=&term=GSK2831781&cntry=&state=&city=&dist=> and <https://www.gsk.com/media/5957/q1-2020-results-slides.pdf>
- (6) Discontinued in Jan 2021

Eftilagimod Alpha (efti or IMP321)

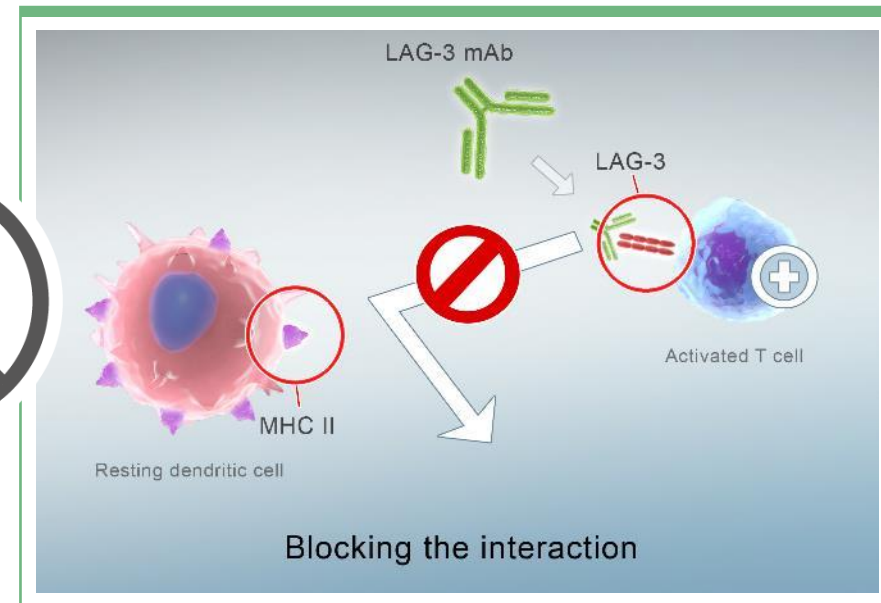
Efti: an Innovative LAG-3 IO Product Candidate

- the only MHC II agonist (APC activator) product candidate currently in clinical development
- synergistic with other therapeutic agents and modalities e.g. IO agents or chemotherapy

“PUSHING THE ACCELERATOR ON IMMUNE RESPONSES”



“RELEASING THE BRAKE ON THE T CELL”



Efti is an **MHC II agonist**

APC activator

- boosts and sustains cytotoxic T cell responses
- activates multiple immune cell subsets

LAG-3 antagonist (or LAG-3 blocking) antibodies:

Immune checkpoint inhibitor

- increases cytotoxicity of pre-existing CD8 T cell response

Efti: Potential Pipeline in a Product

High intrinsic value

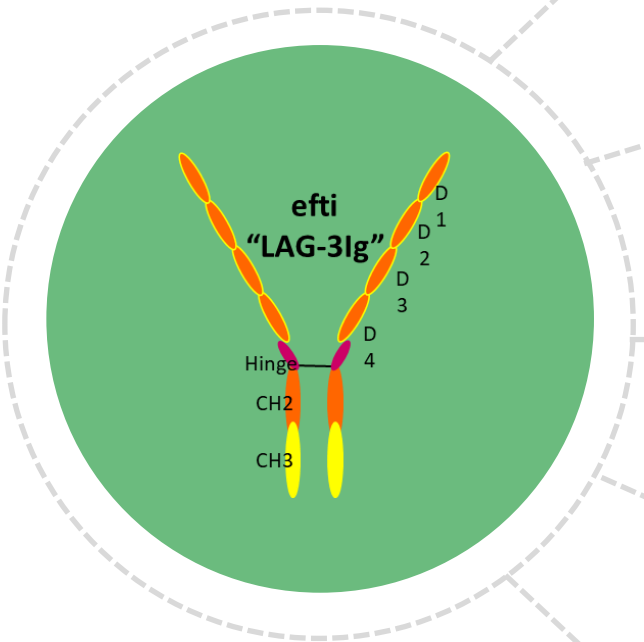
Unique APC activator (MHC II Agonist)

Effective APC activation leads to immune activation (e.g. CD8 T cells) as shown by *ex vivo* and *in vivo* experiments, and in clinical studies

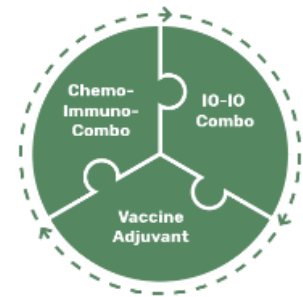
Pipeline in a product - not limited to a select number of oncology indications, target expressions or treatment lines

Potentially low costs of goods

Efti's safety profile enables it to be used in various combination settings

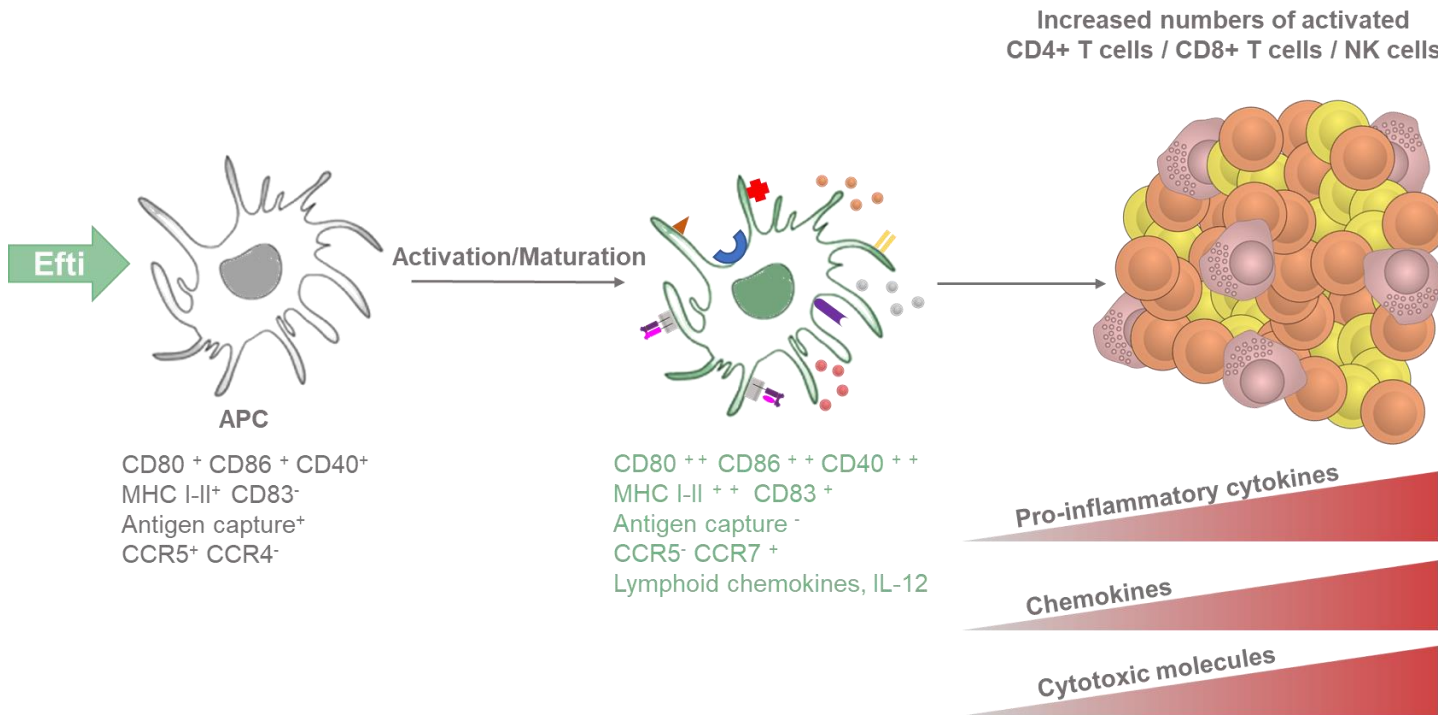


Route of admin: subcutaneous
Dose: 30 mg every 2 weeks*

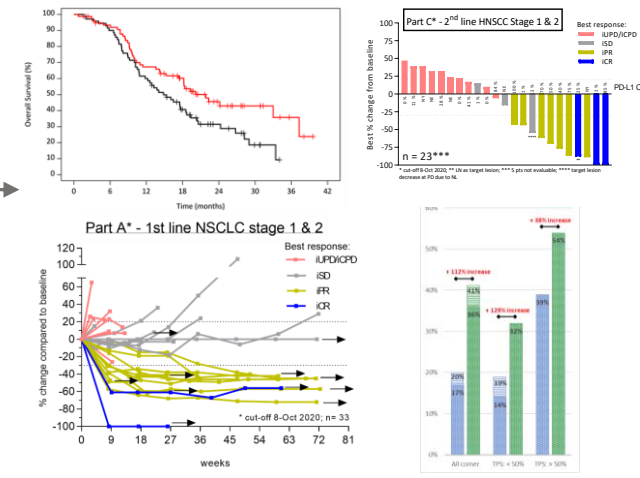


* - can be extended to every 3 weeks after 6 months

Boosting APCs with **efti** to create stronger adaptive immunity against the tumor



Promising Efficacy & Safety

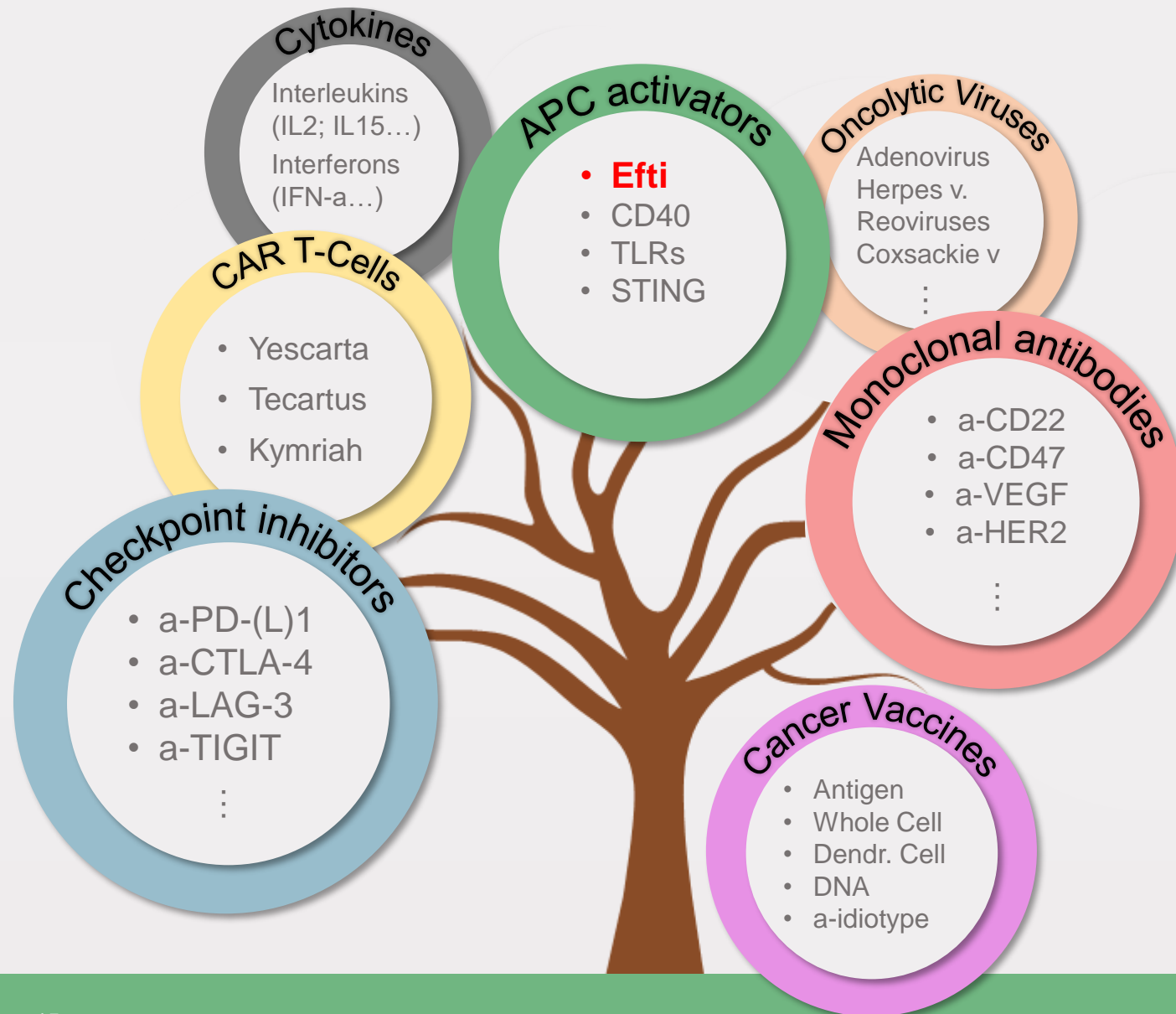


BASED ON PRE-CLINICAL RESULTS

BASED ON CLINICAL RESULTS

Eftilagimod Alpha

Leader in it's Class of Oncology Products



Efti:

- No direct competition in Mechanism of Action.
- No other MHC-II agonist under development.
- IP protected until 2036.
- Proven in randomized, placebo-controlled setting.
- Excellent safety profile.
- Low cost of goods.

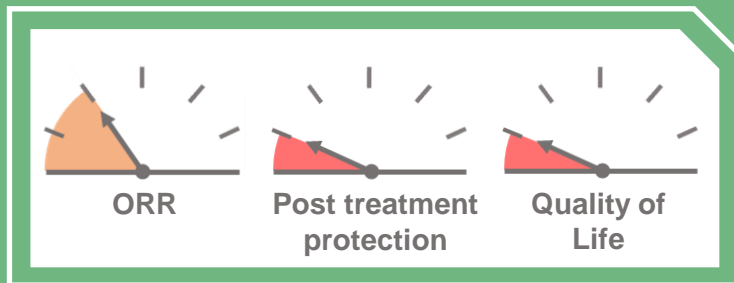
Efti is very well positioned in the field

Efti + Chemo Combination:

**Exciting interim OS results
announced in December 2020**

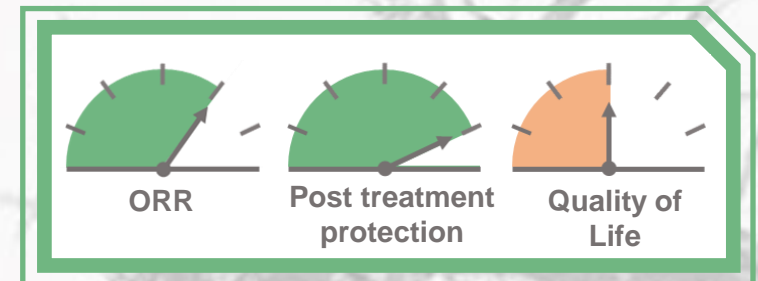
Chemotherapy

- Relatively high response rates
- But not very durable
- Reduced QoL with numerous severe side effects



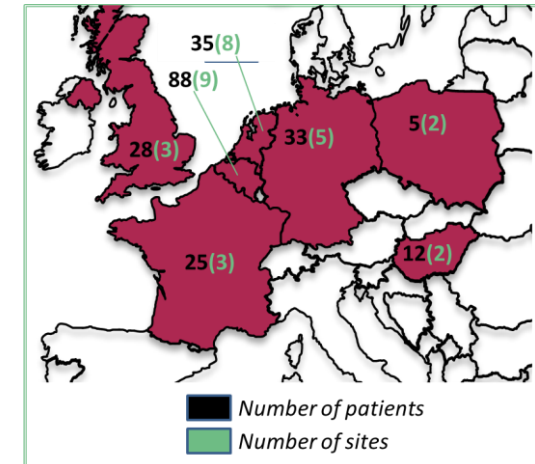
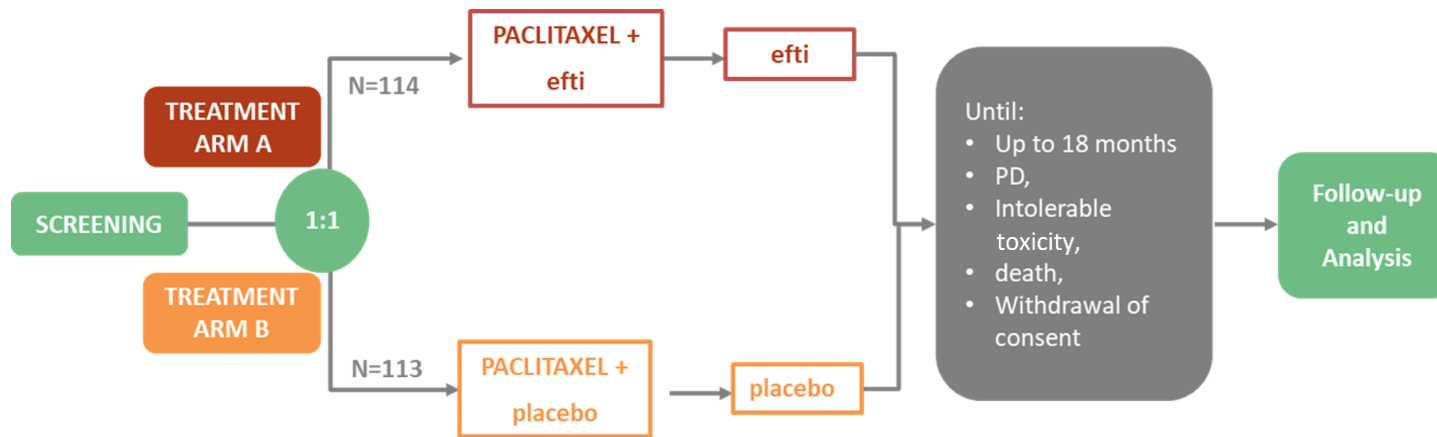
How can we boost / prolong this chemotherapy-induced response with minimal additional side effects?

Activating antigen presenting cells with soluble LAG-3 via MHC II



Efti: AIPAC (Phase IIb) design

AIPAC: Active Immunotherapy PACLitaxel in HER2-/ HR+ metastatic breast cancer (MBC)



Primary endpoint^(*) (presented Mar. 2020) included:

- Assessment of Progression-Free Survival (PFS)

Secondary endpoints^(*) (presented Dec. 2020) included:

- Overall Survival (OS)
- Safety and tolerability
- Overall Response Rate (ORR) and other efficacy parameters
- Biomarker and Immune Monitoring

Fact sheet

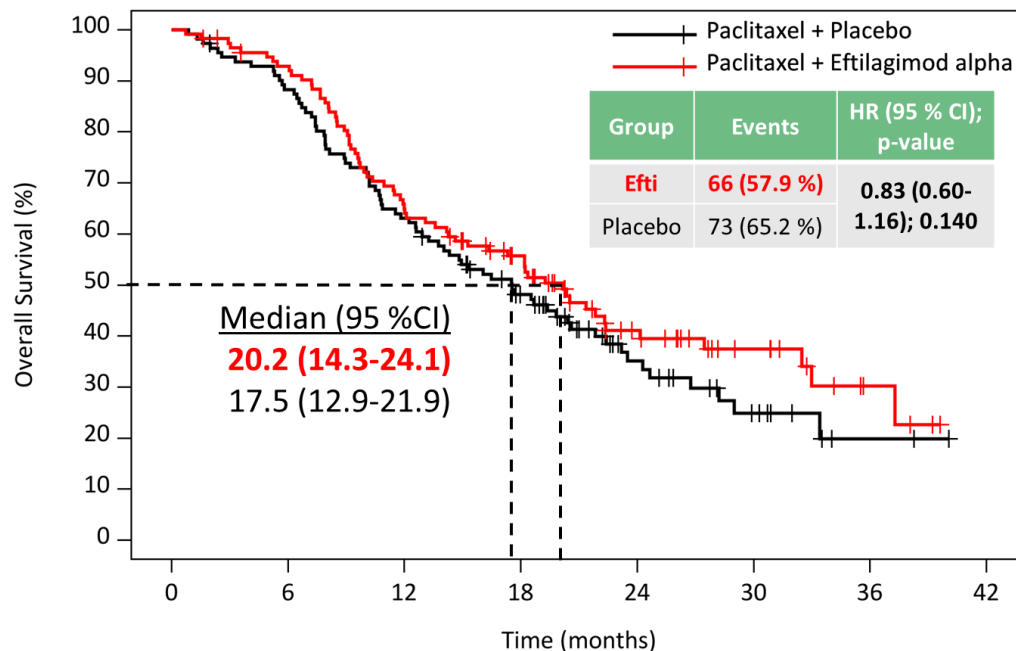
- ✓ Conducted in 7 EU countries
- ✓ Local and blinded independent central read
- ✓ Last Patient In enrolled Jun. 2019
- ✓ Primary analysis PFS (immature OS) Mar. 2020
- ✓ Follow-up 1 analysis OS Sep. 2020 (SABCS Dec. 2020) – ~60% OS events
- ❖ 2nd OS follow-up analysis planned H2 2021

AIPAC Phase IIb Clinical Results

Overall Survival – FU1 (60% events; cut-off: Sep. 20)

Improving trend for the overall population (IIT) as data matures
 Currently 2.7 months difference in median OS

Overall Survival (Follow-up[‡]) – Total Population



	0	6	12	18	24	30	36	42
Placebo	112 (0)	98 (1)	70 (1)	47 (8)	21 (24)	9 (31)	2 (37)	0 (39)
Efti	114 (0)	103 (3)	72 (3)	53 (12)	26 (27)	14 (37)	4 (45)	0 (48)

Post-study treatment

was similar with 80.7% (efti) and 83.9% (placebo) receiving any post study systemic anticancer therapy. Vast majority received **chemotherapy**: 64.0% (efti) vs. 69.6% (placebo)

Prior CDK 4/6

have negative impact on OS in placebo group (median reduced from 20.0 to 14.9 months), but **not** in the efti group (median OS 20.9 vs. 20.4 months)

CDK4/6 are now standard, and most patients will have received it in future studies / real world → favorably for efti

Quality of Life (QLQ-C30)

Significant deterioration of overall QoL in the placebo group at week 25, which was **not** observed in the efti group

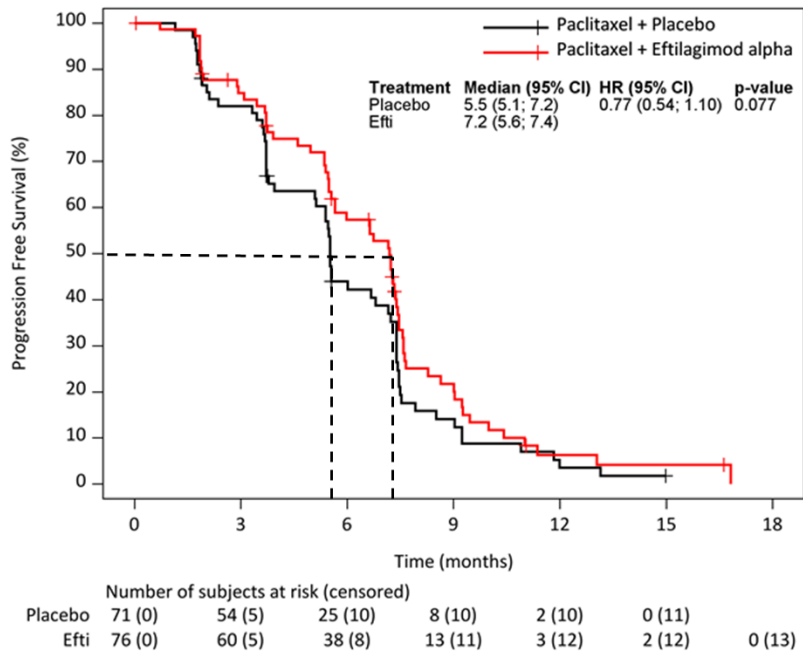
Very important for reimbursement → favorably for efti

AIPAC Phase IIb Clinical Results

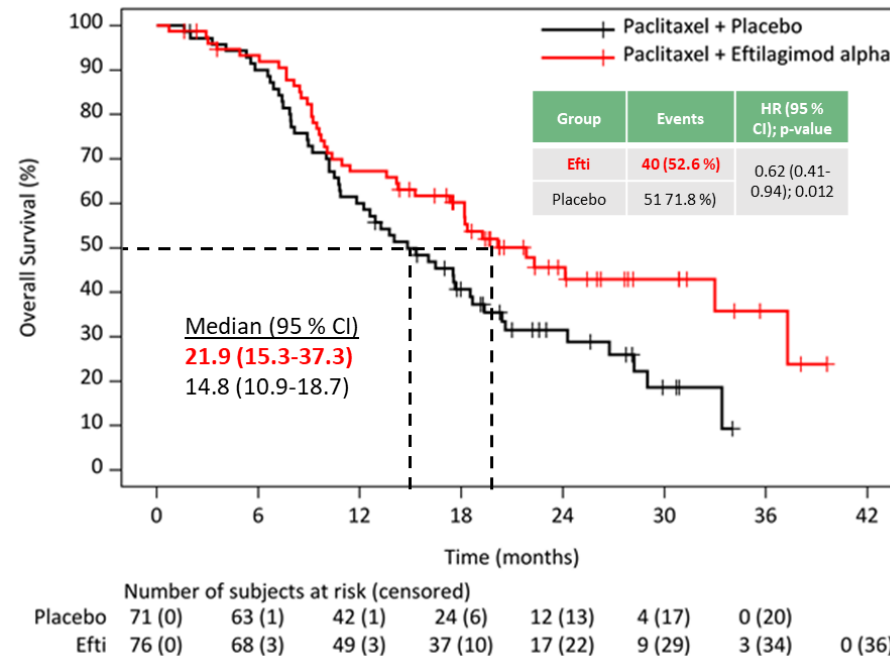
Subgroup 1: < 65 years – PFS / OS / ORR

Clinically meaningful absolute and relative improvement for all efficacy parameters, significance for OS
 ESMO scale of magnitude* = level 4 (makes reimbursement very likely)

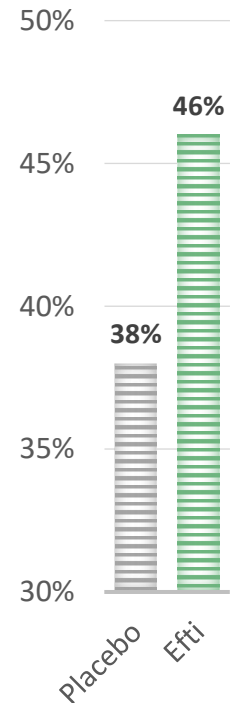
Patients with age < 65 yrs.
 - PFS -



Patients with age < 65 yrs.
 - OS -



ORR



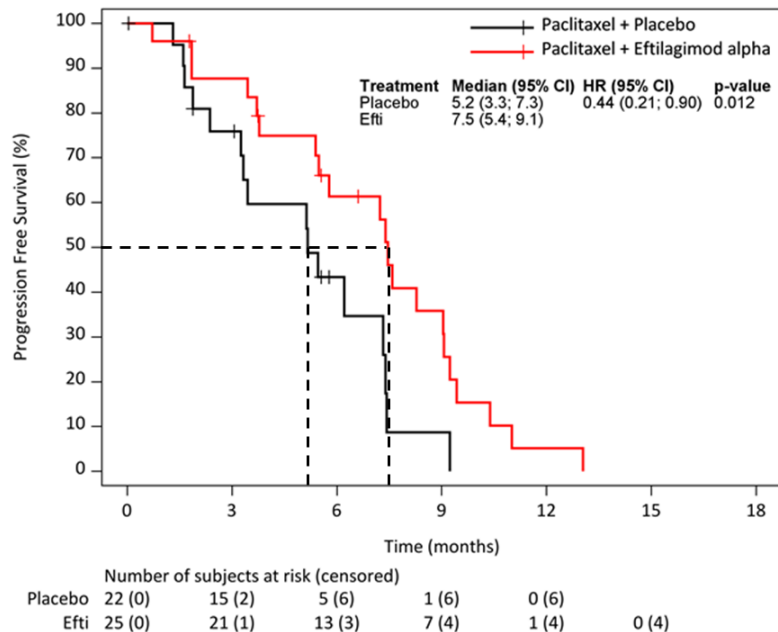
+7.1 months median OS

AIPAC Phase IIb Clinical Results

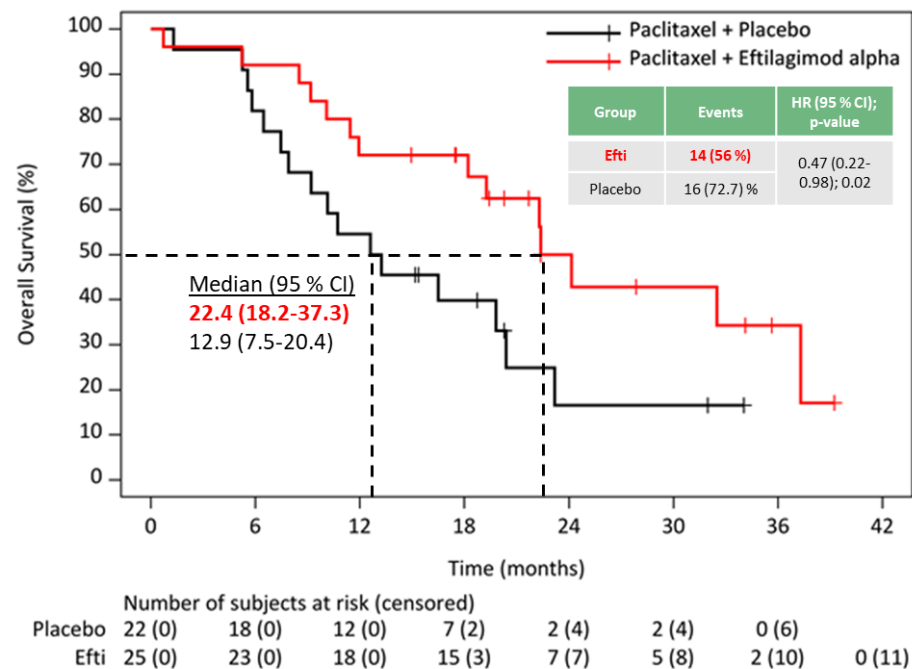
Subgroup 2: Low Monocytes – PFS / OS / ORR

Clinically meaningful, absolute and relative improvement for all efficacy parameters, significance for PFS/OS
 ESMO scale of magnitude* = level 4 (makes reimbursement very likely)

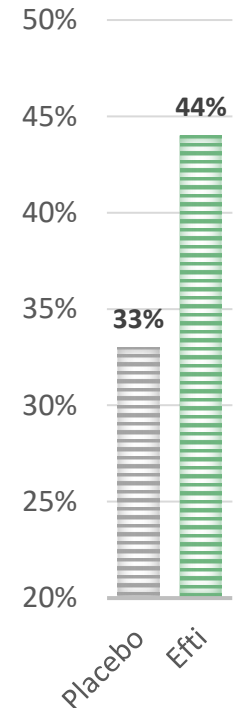
Patients with low monocytes - PFS -



Patients with low monocytes - OS -



ORR



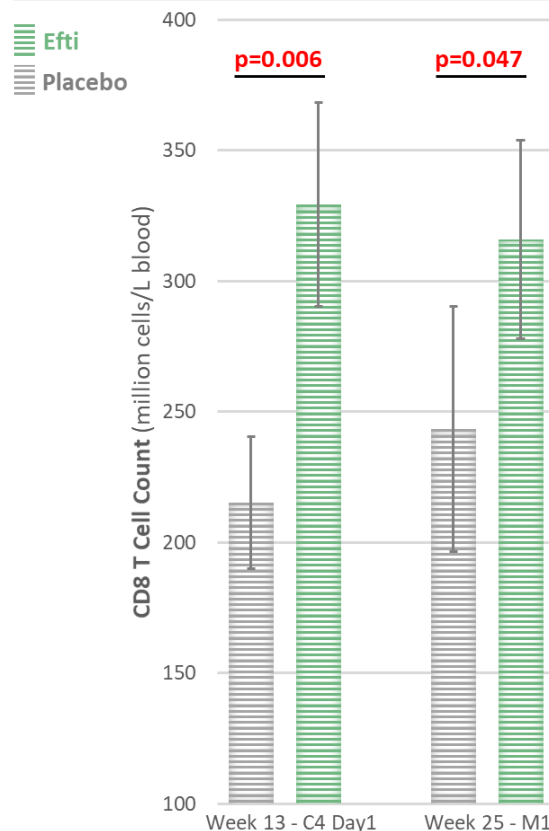
+9.1 months median OS

AIPAC Phase IIb Clinical Results

Immune Monitoring on Fresh Blood (up to 70 patients)

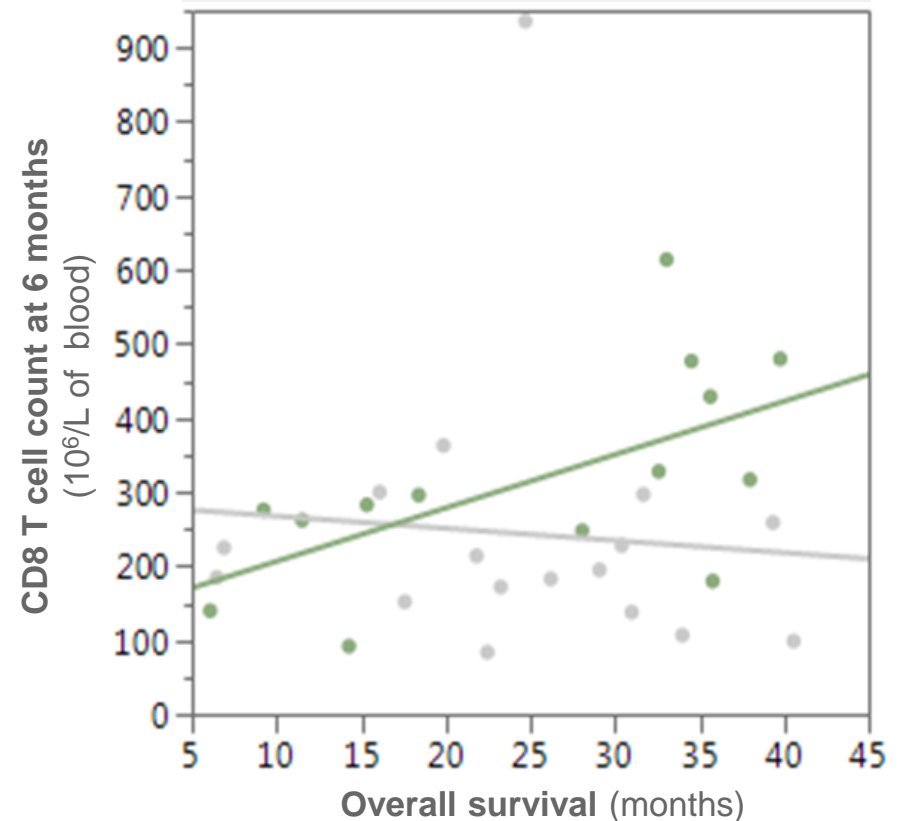
Cytotoxic CD8⁺ T Cell count over time

(Mean \pm SEM million cells/L of blood;
p-value Wilcoxon)



Number of T cells increased in efti group, especially cytotoxic CD8⁺ → Proof of Principle.

Stat. significant (p=0.020) Correlation: OS and cytotoxic CD8⁺ T cell count



Increased number of cytotoxic CD8⁺ T Cells correlated with improved OS in the efti arm → Proof of Concept.

AIPAC Phase IIb Clinical Results

Summary and Conclusions

First time



an APC activator has shown meaningful increase in Overall Survival (OS) in a randomised setting

Proof of Principle



Significant increase in cytotoxic T cell numbers compared to placebo

Proof of Concept



Prolonged OS in the overall population and clearly linked to pharmacodynamic effect (increase in CD8 T cells)

Path Forward



Regulatory (FDA and EMA) discussions are prioritised now

Efti + anti-PD-1 Combinations

Approximately 70-80% of patients do not respond to immune check point therapy, e.g.: anti-PD-1 monotherapy.¹

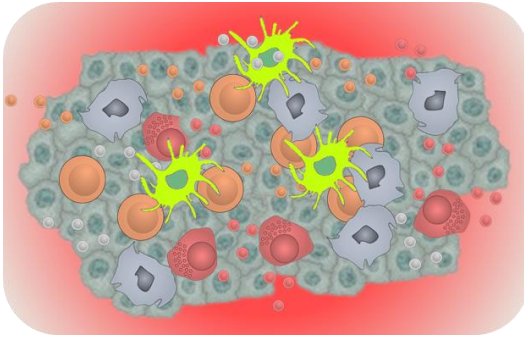
How do we improve the immune response?

Activating antigen presenting cells with soluble LAG-3 via MHC II

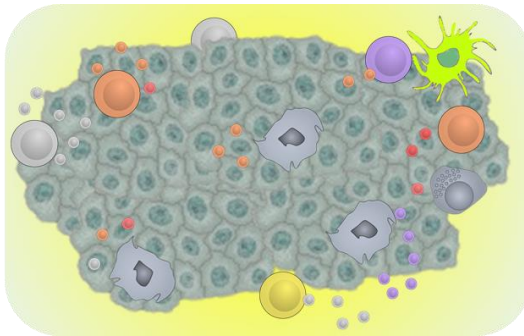
APC activator – ICI combinations

Three types of patients

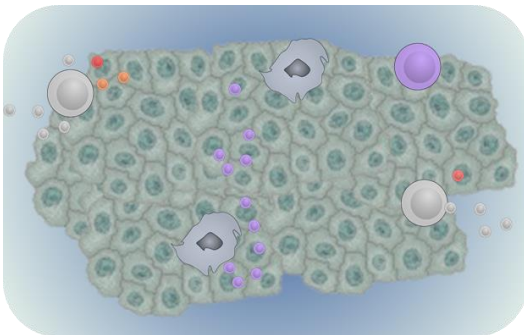
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IFN γ

Inflamed responder

- Considerable immune cell infiltration e.g.: CD8+ Tc; Macrophages
- **High** levels of IFN- γ produced \rightarrow inducing high PD-L1 expression on tumor cells

Likely responds to Immune Checkpoint Inhibition e.g.: anti-PD-1

Inflamed non-responder

- Some infiltrates in the tumor margins but no response.
- **Medium** levels of IFN- γ produced \rightarrow inducing low PD-L1 expression on tumor cells

Due to low level of TH1 (IFN- γ) driven T-cell activation \rightarrow **unlikely to respond to ICI treatment**

Non-inflamed non-responder

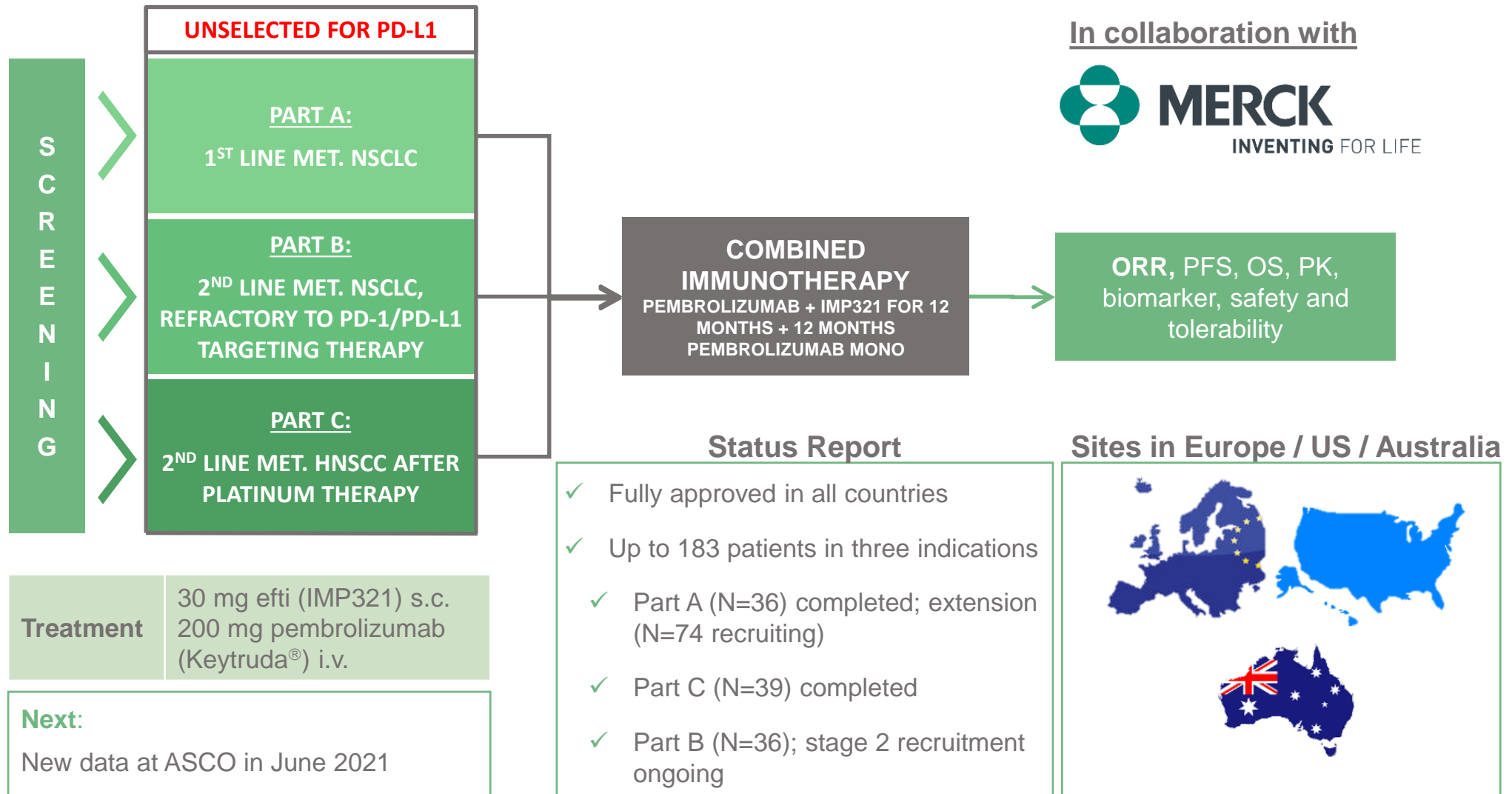
- Minimal to no immune cell infiltration on the tumor margins.
- **Low** levels of IFN- γ produced \rightarrow no induction of PD-L1 expression on tumor cells

Due to low numbers of infiltrating T-cells \rightarrow **unlikely to respond to ICI treatment**

Key Clinical Trials

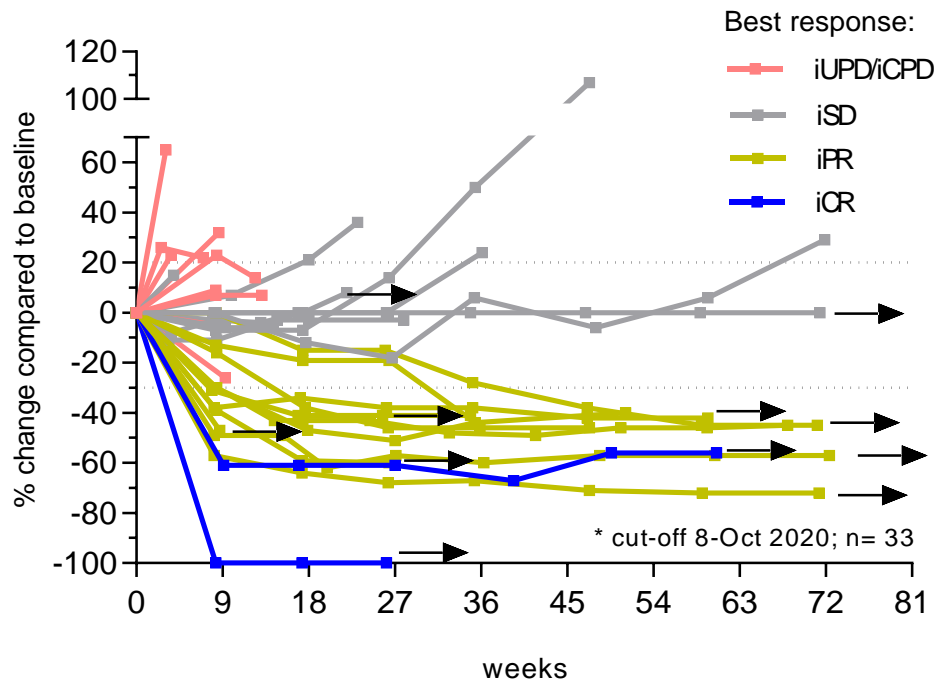
TACTI-002 (Phase II) design & status

TACTI-002: Two ACTIVE Immunotherapeutics in NSCLC and HNSCC

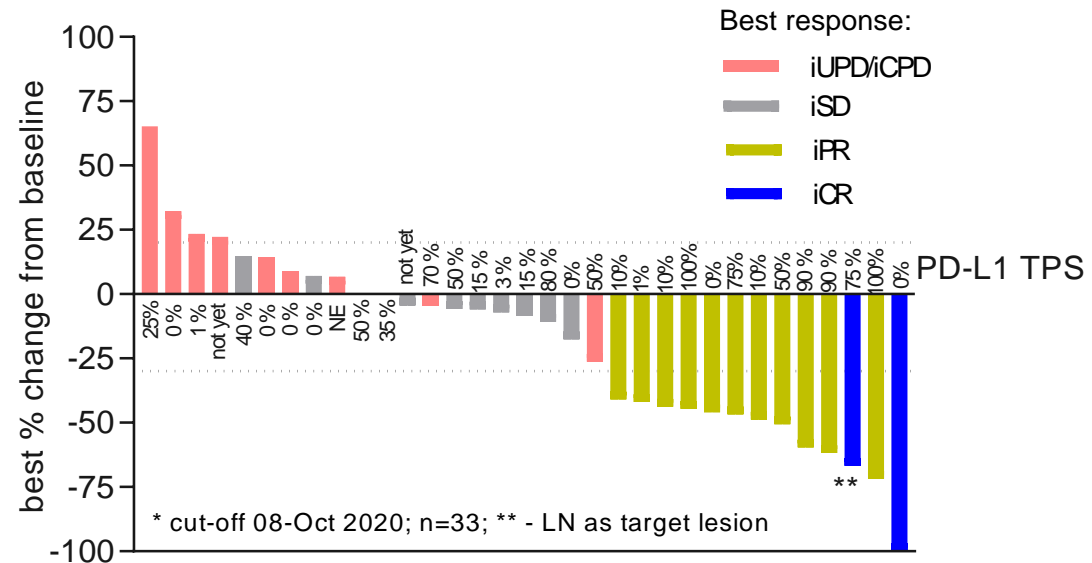


TACTI-002 Results⁽¹⁾

1st line NSCLC (Part A)



- iORR of 36.1% [95% CI 20.8-53.8]
- 2 complete responses
- 22/36 (61%) with target lesion decrease



- Responses in all PD-L1 subgroups:
- ORR in < 50%: 31.6% (6/19)
- ORR in ≥ 1%: 44% (11/25)
- At data cut-off, 11 pts. still under therapy

TACTI-002 Results⁽¹⁾

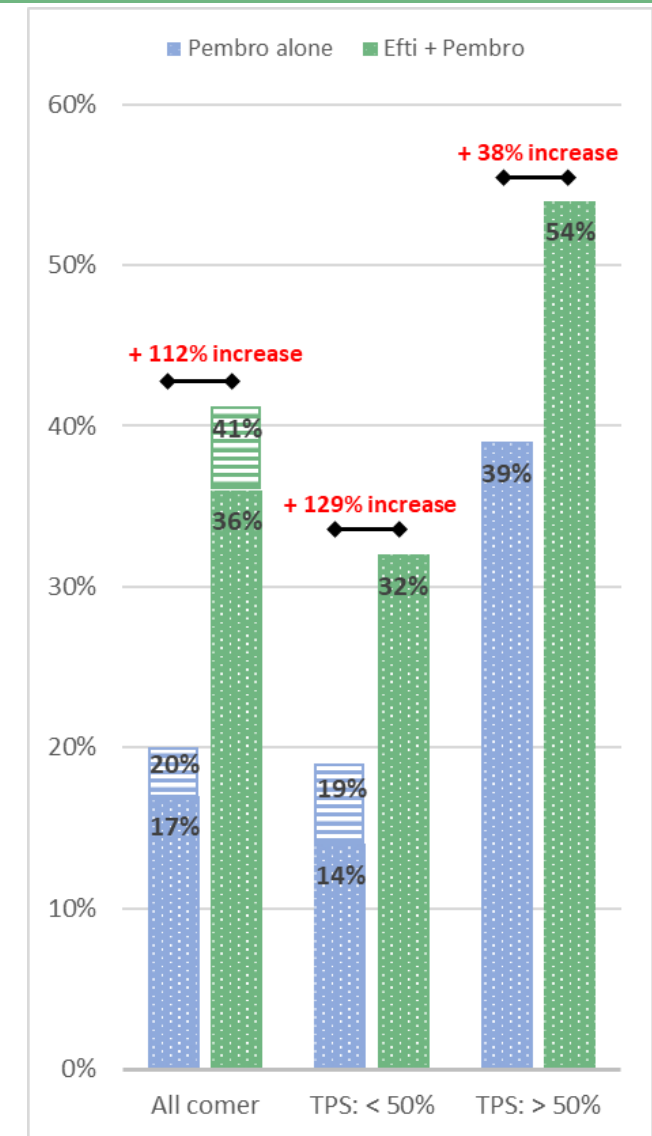
1st line NSCLC (Part A) - Benchmarking

	PD-L1 (TPS)	Pembro alone** (KN042/ KN001)	TACTI-002
ORR	Regardless (with PD-L1 results)	17-20%	41%* (36% regardless if PD-L1 available)
	≥ 50%	39.5%	54%*
	≥ 1%	27.3%	44%*
	1-49%	~17%	33%*
	< 50%	14-19%	32%*

* - only patients evaluated where PD-L1 results available (32 out of 36); ** Data for pembro derived from KN042 and KN001⁽²⁾⁽³⁾

- Most of pembro responses come from 50%+ and especially 90%+ TPS⁽⁴⁾
- Highest unmet medical need in < 50% TPS group → efi addresses these needs.
- TIGIT does not → effects predominantly in ≥ 50% groups

Efti plus pembro warrants further clinical development in 1st line NSCLC especially considering the excellent safety profile



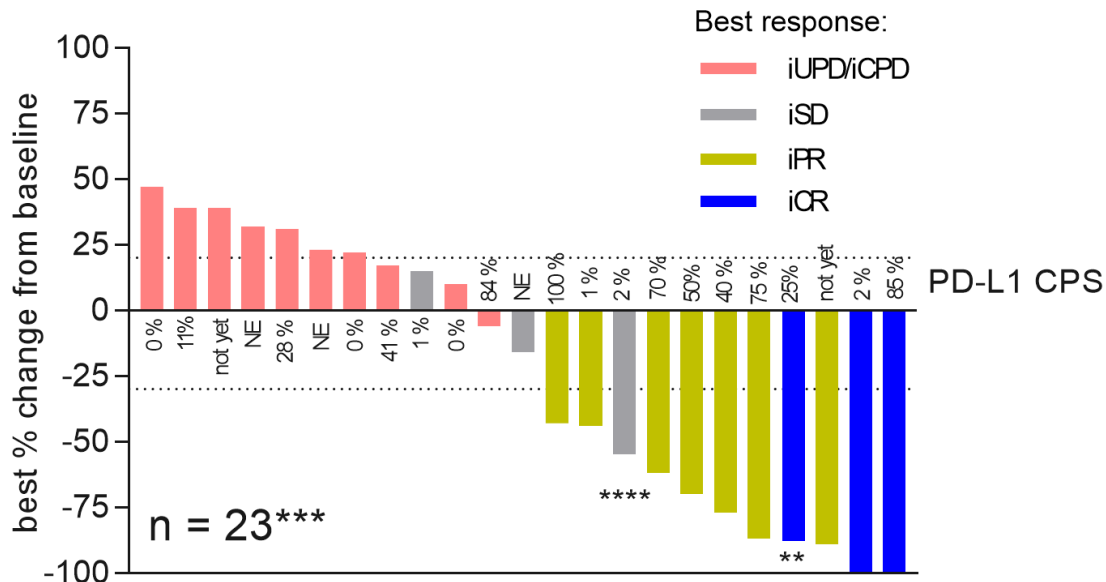
Data for pembro derived from KN042 and KN001⁽²⁾⁽³⁾ and ORR in PD-L1 TPS <1% was taken from doi:10.1093/annonc/mdx076 and used to calculate ORR for TPS <50 for pembro mono. TACTI-002 data cut off 08. Oct. 2020.

Notes:

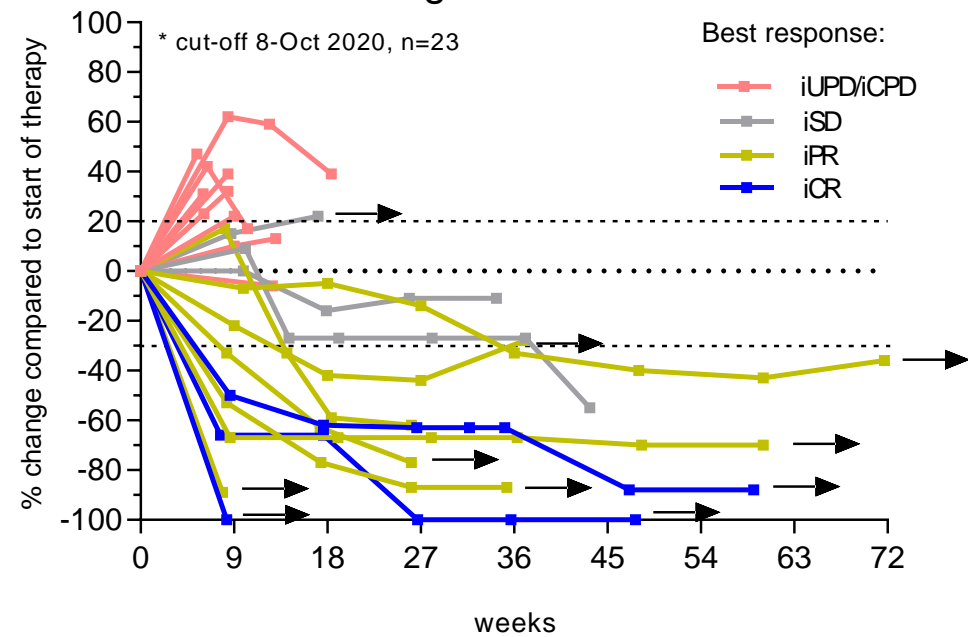
- (1) Preliminary data, cut-off 08 Oct 2020 for TACTI-002
- (2) KEYNOTE-042: TSK Mok et al, The Lancet 2019, [http://dx.doi.org/10.1016/S0140-6736\(18\)32409-7](http://dx.doi.org/10.1016/S0140-6736(18)32409-7)
- (3) KEYNOTE-001: NB Leighl et al, The Lancet 2019, [http://dx.doi.org/10.1016/S2213-2600\(18\)30500-9](http://dx.doi.org/10.1016/S2213-2600(18)30500-9)
- (4) E.J Aguilar et al: Annals of Oncology 30: 1653–1659, 2019. doi:10.1093/annonc/mdz288

TACTI-002 Results⁽¹⁾

2nd line HNSCC (Part C)



* cut-off 8-Oct 2020; ** - LN as target lesion;
 *** - 5 pts not evaluable;
 **** - target lesion decrease at PD due to NL



- All patients (except one) with response ongoing
- PD-L1 all comer trial → responses in PD-L1 low expressors

TACTI-002 Results⁽¹⁾

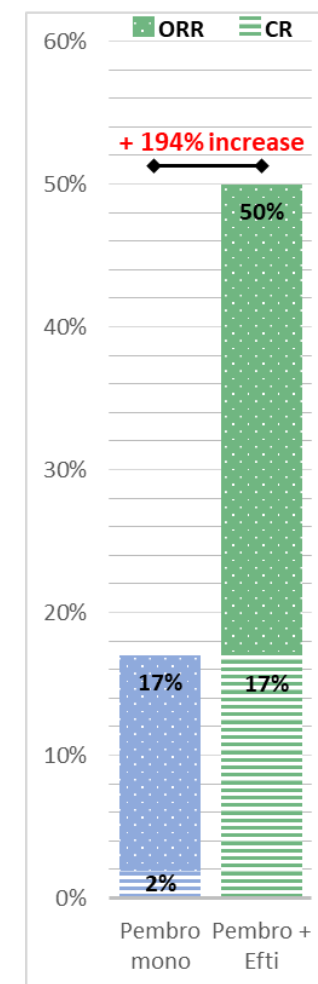
2nd line HNSCC (Part C) – Benchmarking

	PD-L1 (CPS)	Pembro alone**	TACTI-002*
ORR	≥1	17.3% 2% CR	50%* 16.7% CR*
	Regardless (with PD-L1 results)	14.6%	42.9%* (35.7% regardless if PD-L1 available)

* - only patients evaluated where PD-L1 results available (21 out of 28); ** Data for pembro derived from KN040⁽²⁾

- ORR of pembro mono generally low → increase to 22% (≥ 20 CPS) and 28% (≥ 50 CPS) ⁽⁴⁾
- Duration of response drops dramatically if you add chemo⁽⁵⁾ – not the case with efti
- ORR is clearly higher with high rates of CRs; duration of response very promising (only 1 pt. with PR discontinued in TACTI-002 so far)

Efti plus pembro warrants late-stage clinical development in HNSCC especially considering the excellent safety profile



Trial P015 Part C - Historical comparison of ORRs and CRs in metastatic HNSCC for patients who has a PD-L1 CPS of ≥1. ORR for Pembrolizumab monotherapy was taken from KEYNOTE-040.

Notes:

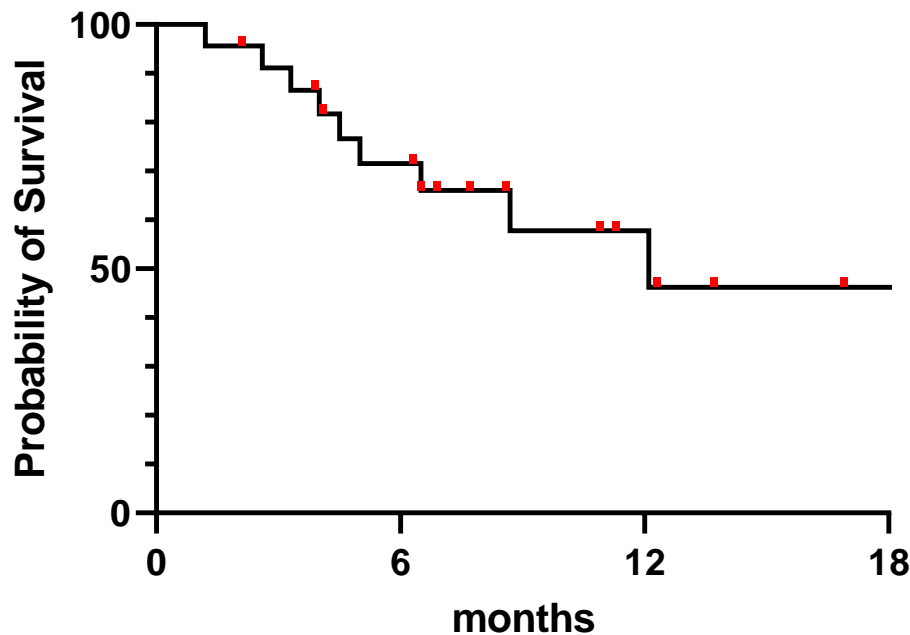
(1) Preliminary data, cut-off 08 Oct 2020
 (2) Keynote-040 results: available from <https://www.esmo.org/newsroom/press-office/KEYNOTE-040-Evaluates-Pembrolizumab-in-Head-and-Neck-Cancer>
 (3) RL Ferris et al.: Nivolumab for Recurrent Squamous-Cell Carcinoma of the Head and Neck. N Engl J Med 2016;375:1856-67.

(4) E Cohen et al; *Annals of Oncology* 2019; doi:10.1093/annonc/mdz252
 (5) KN-048: The Lancet, 2019; [https://doi.org/10.1016/S0140-6736\(19\)32591-7](https://doi.org/10.1016/S0140-6736(19)32591-7)

TACTI-002 Results⁽¹⁾

2nd line NSCLC (Part B) - Benchmarking

OS - Stage 1 - Part B - NSCLC



- All patients included in this trial had progressed on 1st line therapy containing PD-1/PD-L1, confirmed by 2 consecutive scans.
- 85% of patients have PD-L1 expression level < 50%

Encouraging OS with 12 months Comparison⁽²⁾:

- Docetaxel mOS: 6 months
- ~24% alive at 12 months

- 1 confirmed PR and DCR of 35%
- 72% alive at 6.3 months → encouraging although data immature beyond 6 months
- 50+% alive at 12 months
- At data cut-off, 3 patients still under therapy

Efti: INSIGHT-004 Trial in Solid Tumours

INSIGHT-004 is a dose escalation study evaluating efti in combination with Bavencio® (avelumab). Conducted as the 4th arm of the INSIGHT trial.

In collaboration with  **Merck KGaA,**
Darmstadt, Germany **I.K.F.**

Key Results in patients with mostly cancers of the **gastrointestinal tract**:

- No dose limiting toxicity
- 5/12 (41.6%) patients with partial responses



Encouraging single patient cases in cancers that don't usually benefit from immunotherapy.

Only 5% of patients usually benefit.⁽¹⁾

Data presented at:

ESMO 2020

Next:

Final data expected to be presented at ASCO in June 2021



Phase I

Open label trial



12

Patients: 2 cohorts of 6 patients each



6 months

Combination treatment, then 6 months avelumab monotherapy



One site

Germany

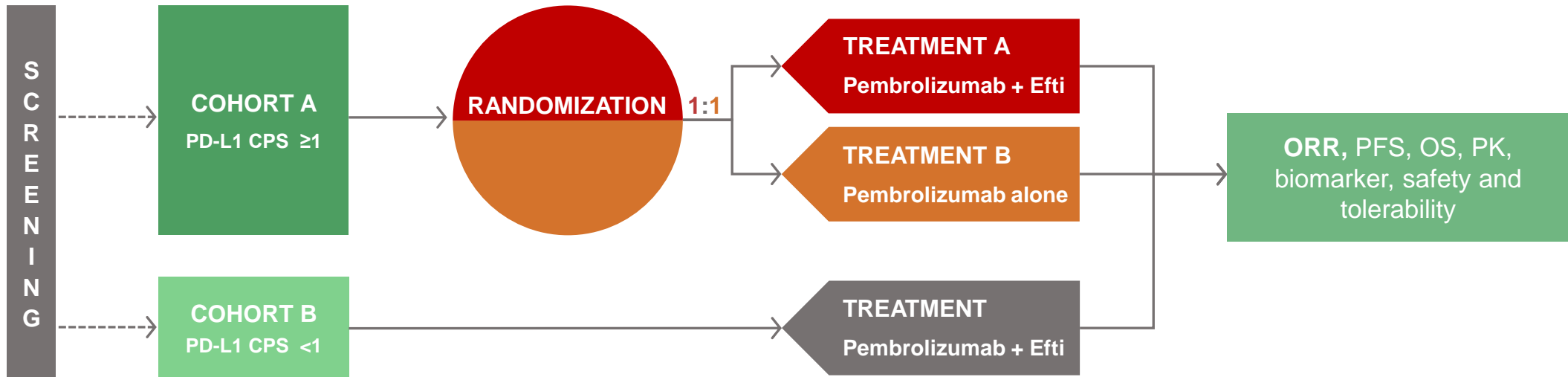
Notes:

Data cut-off: 12 June 2020.

(1) J Tintelnot, A Stein: Immunotherapy in colorectal cancer: Available clinical evidence, challenges and novel approaches. World J Gastroenterol 2019 August 7; 25(29): 3920-3928

TACTI-003 Trial in 1st line HNSCC

Current Design + Status



Design:

- Randomised study with ORR as primary endpoint
- Sites worldwide (AU, US, Europe)
- Approx. 154 pts: either to be randomized to have sufficient pts. in each group or in an experimental arm

Status:

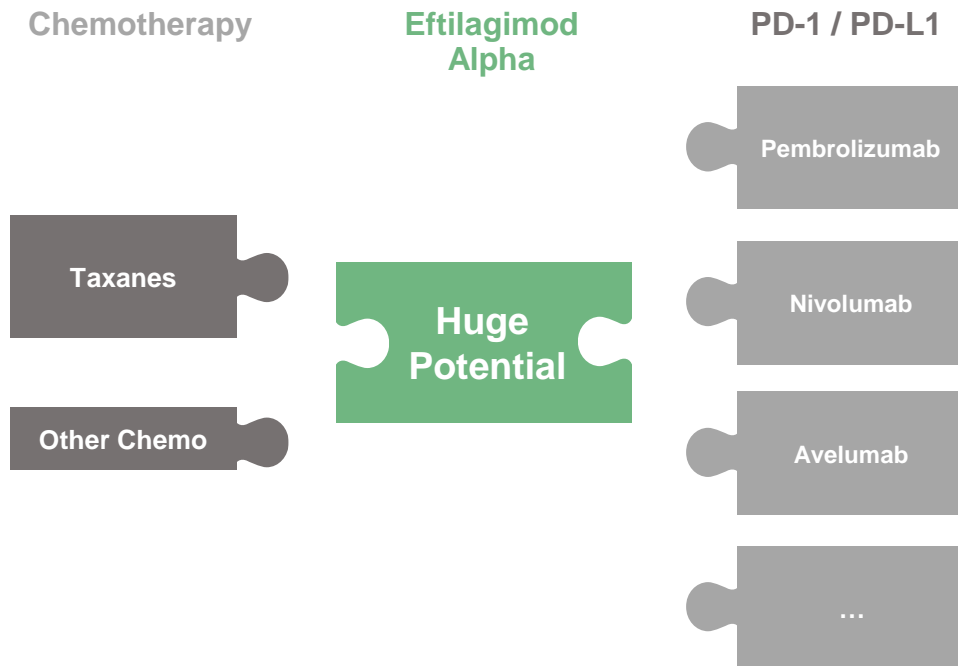
- Advanced planning & study start up expected in mid 2021
- Fast Track designation granted by FDA in April 2021

In collaboration with



Efti: Current Strategic Potential & Plans

Efti is the ideal candidate to combine with
✓ chemo and ✓ PD-1/PD-L1 antagonists



Efti's current data base includes⁽¹⁾:



Up to 219 patients
in anti-PD-(L)1 combinations



272 patients
in chemo-immuno combination



Safety & efficacy
Good safety & encouraging efficacy data in NSCLC, HNSCC, melanoma and MBC



Big pharma
A variety of development options with big pharma support

Other Efti Partnerships



- EOC, an Eddingpharm spin-off holding the Chinese rights for efti, Phase I study in MBC ongoing with a Phase II trial in preparation
- Milestone and royalty bearing partnership



- Spin off from NEC, Japan: aims to develop cancer drugs discovered by artificial intelligence → mainly cancer vaccines
- Clinical Trial Collaboration (up to US\$5 million for ImmuteP); Phase I completed



- Strategic supply partnership for the manufacture of efti
- Through WuXi, ImmuteP was the first company to use a Chinese manufactured biologic in a European clinical trial



Out-Licensed Immunotherapy Pipeline

Ieramilimab (LAG525) for Cancer

- Novartis holds an exclusive WW licence to develop and commercialise Ieramilimab (which is derived from Immunetep's antagonist antibody known as IMP701)
- 1st and 2nd milestone payments received by Immunetep in August 2015 (undisclosed) and August 2017 (US\$1 million)
- In 2018 Novartis cancelled 90 other R&D programs but continued to invest heavily in progressing the development of LAG525⁽¹⁾
- Novartis currently has five clinical trials ongoing for Ieramilimab in multiple cancer indications for over 1,000 patients⁽²⁾



- **Ieramilimab is an anti-LAG-3 mAb that blocks LAG-3-mediated immune down-regulation**
- **LAG-3 is a prime target for immune checkpoint blockade as it is readily expressed at a high level in many human tumors**

Notes

(1) <https://www.fiercebiotech.com/biotech/novartis-dumps-20-programs-following-pipeline-review>

(2) Details on all ongoing trials of LAG525 being conducted by Novartis:
<https://www.clinicaltrials.gov/ct2/results?cond=&term=novartis+lag525&cntry=&state=&city=&dist=>

GSK'781 (IMP731) for Autoimmune Diseases

- GSK holds an exclusive WW licence to develop and commercialise GSK'781 (which is derived from Immunep's depleting antibody known as IMP731)
- Up to £64 million in upfront payments and milestones, plus royalties
- GSK portfolio review in 2017 -> GSK'781 continued despite cancellation of 13 clinical and 20 preclinical programs⁽¹⁾
- March 2018: Phase I trial in psoriasis completed in 67 subjects/patients⁽²⁾
- September 2019: 1st patient dosed in Phase II trial in ulcerative colitis in 242 patients triggered a £4 million (~US\$5.0 million) milestone payment to Immunep⁽²⁾
- Phase I clinical study completed, evaluating GSK'781 in 36 healthy Japanese and Caucasian subjects, PK/PD study⁽²⁾
- Phase II in Ulcerative Colitis discontinued in January 2021

GSK's investigational product, GSK2831781, which is derived from IMP731 antibody, aims to kill the few activated LAG-3⁺ T cells that are auto-reactive in autoimmune disease leading to long term disease control without generalized immune suppression

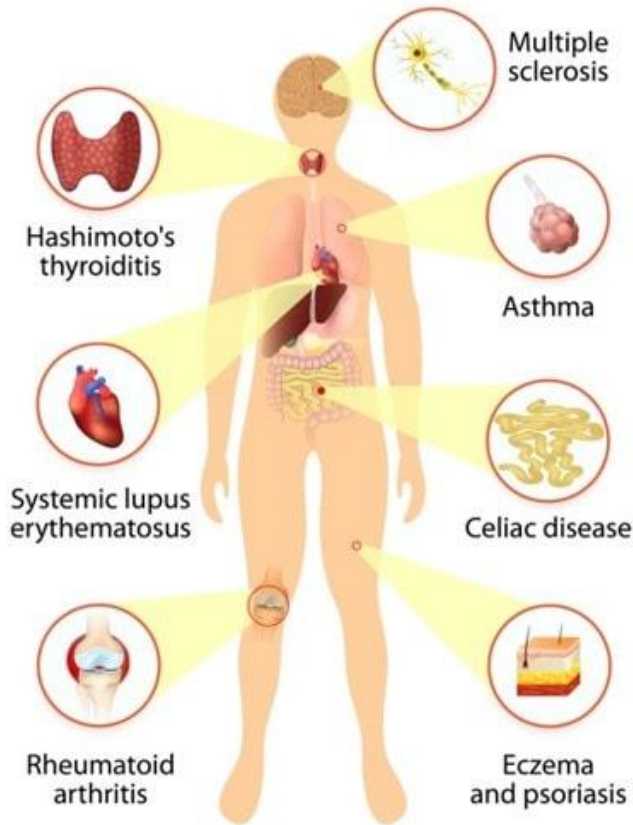


IMP761

- Autoimmune Diseases -

Broad potential in targeting auto-reactive memory T cells with IMP761

AUTOIMMUNE DISEASES

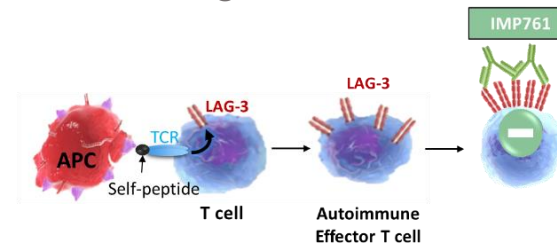


THE PRESENT: FIGHTING THE SYMPTOMS

Treating general inflammation:
corticoids, methotrexate,
anti-TNF- α , -IL-6, -IL-17, -IL-23 mAbs

THE FUTURE: FIGHTING THE CAUSE

Treating the disease process:
silencing the few autoimmune memory T cells
accumulating at the disease site with IMP761



POTENTIAL GAME CHANGER IN AUTOIMMUNE DISEASES (\$149.4 billion market size by 2025)¹

Other Partnerships



- Licence and Collaboration Agreement for immuno-oncology products or services (entered in Oct 2020)
- Development of lab tests that may help oncologists select the right therapeutic options for their patients
- Upfront and potential commercial milestone and service-related payments to Immunetep
- Immunetep selected for its LAG-3 expertise

Laboratory Corporation of America Holdings (LabCorp) is a leading global life sciences company focused on guiding patient care that provides diagnostic, drug development and technology-enabled solutions for more than 160 million patient encounters per year.

Enables Immunetep to enter the immuno-oncology diagnostics market through its technology and LAG-3 expertise

Corporate Snapshot & Outlook

Corporate Snapshot

Ticker symbols	IMM (ASX) IMMP (NASDAQ)
Securities on issue⁽¹⁾ (as at 10 May 2021)	672.4 million ordinary shares
Cash & Cash equivalents (as at 31 March 2021)	~A\$51.7 million (US\$39.3 million)
Market Cap⁽²⁾ (as at 10 May 2021)	A\$302.6 million (US\$237.7 million)

Notes:

(1) Currently ~36% of the ordinary shares listed on ASX are represented by ADSs listed on NASDAQ where 1 ADS represents 10 ordinary shares. For a detailed summary of securities on issue refer to latest Appendix 2A released on ASX.

(2) Market capitalization based on ASX share price and basic ordinary shares outstanding.

NB: US equivalent of amounts above are based on foreign exchange rate for AUD/USD of 0.7856 for market capitalization, and the US cash & cash equivalents amount was calculated using FX rate of 0.7602 as at 31 March 2021.

2020 & 2021 News Flow*

2020

- ✓ **AIPAC** – PFS, ORR and OS delivered
- ✓ US **IND** for MBC
- ✓ **TACTI-002** – recruitment & data delivered e.g. at ASCO, EMSO & SITC for
 - ✓ 1st line NSCLC
 - ✓ 2nd line NSCLC
 - ✓ 2nd line HNSCC
- ✓ Support of global **COVID** efforts (Phase II)
- ✓ New **partnerships**: LabCorp
- ✓ Progress from **IMP761**
- ✓ Expansion of **IP portfolio**
- ✓ Strong **financial position**

2021

- ❑ Final data from **AIPAC**: 2nd OS follow up
- ❑ Data from **TACTI-002** & final data from **INSIGHT-004** at ASCO
- ❑ Recruitment & first data from **TACTI-002** Part A extension
- ❑ Start & ongoing recruitment of **new trial in 1st line HNSCC** (TACTI-003)
- ❑ Ongoing **regulatory** engagement
- ❑ Updates from **IMP761**
- ❑ Updates from partnered programs (e.g. GSK, Novartis, EAT COVID, CYTLIMIC and EOC Pharma)
- ❑ Potential new partnerships and expansion of existing programs

- ✓ Validation of LAG-3/MHC-II interaction through readout of BMS's Phase III data for relatlimab + nivo combination

Summary

Global leadership position in LAG-3 with four LAG-3 related product candidates in immuno-oncology and autoimmune disease

Multiple active clinical trials (including partnered candidates), with further significant data read-outs in 2021

Compelling clinical data from efti & strong rationale to combine with multiple FDA approved treatments

Established collaborations with e.g. Merck (MSD), Pfizer / Merck KGaA, Novartis and GSK



immutep[®]
LAG-3 IMMUNOTHERAPY

Thank You