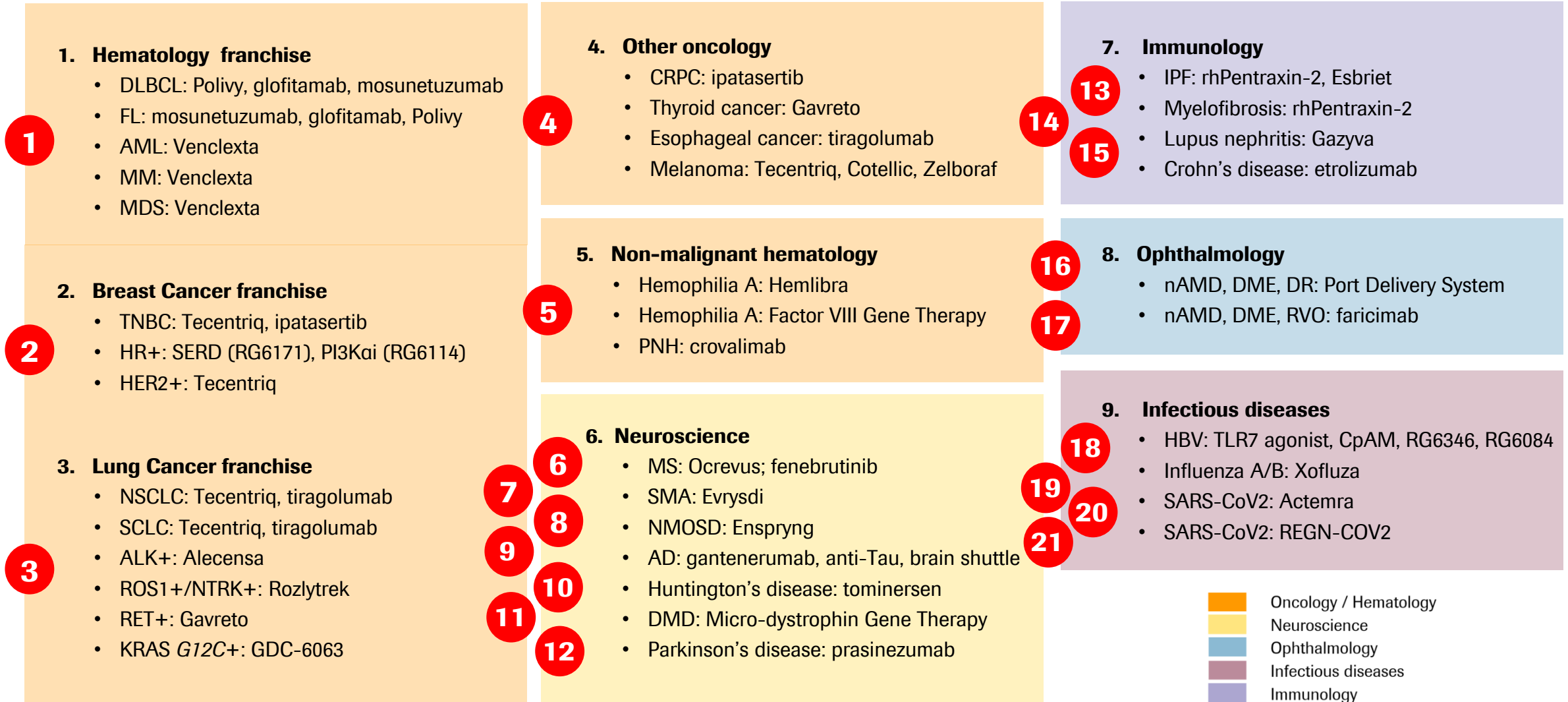

Roche Pharma Day 2020

Late Stage Pipeline Oncology & Non-malignant Hematology

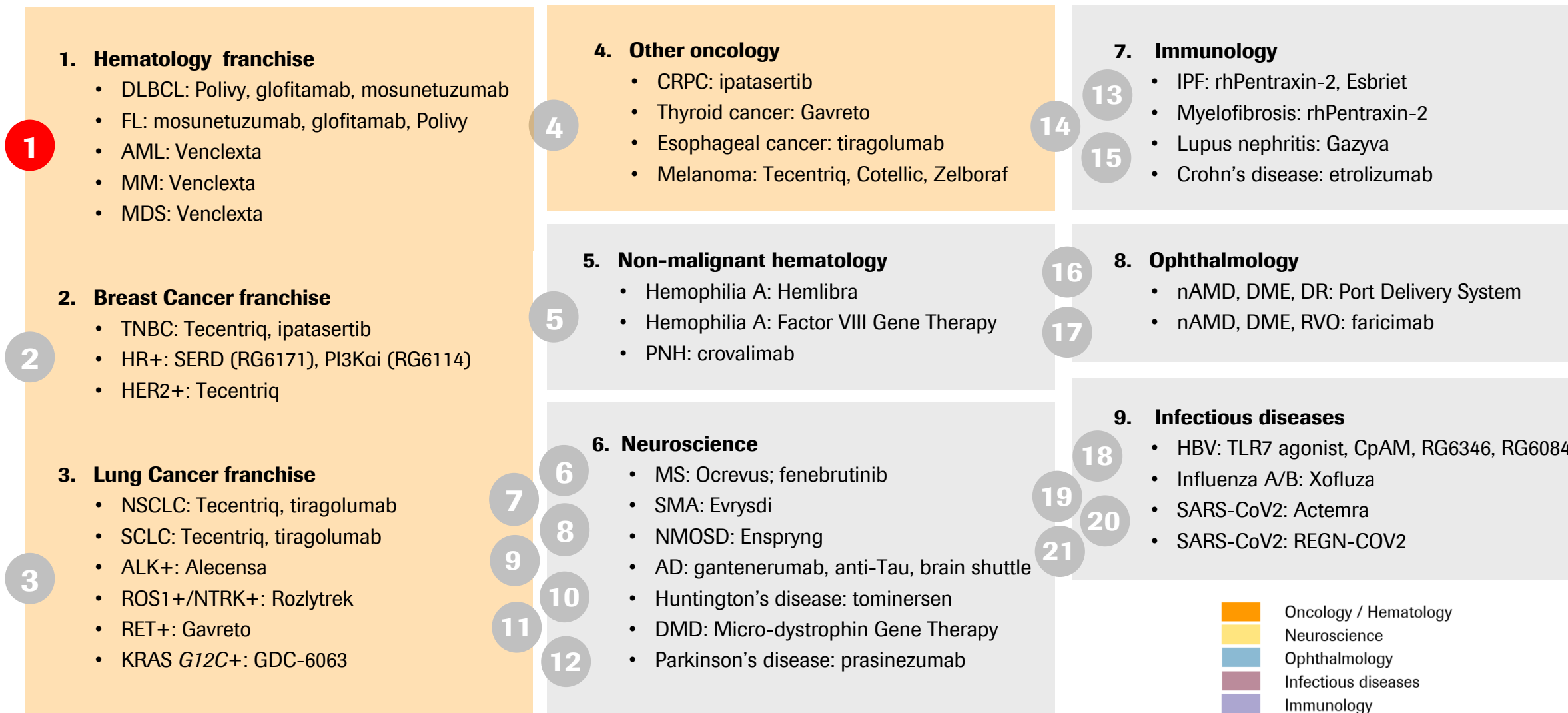
Levi Garraway, M.D., Ph.D. | Executive Vice President, Head of Global Product Development and Chief Medical Officer

Late stage pipeline update



* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

Late stage pipeline update

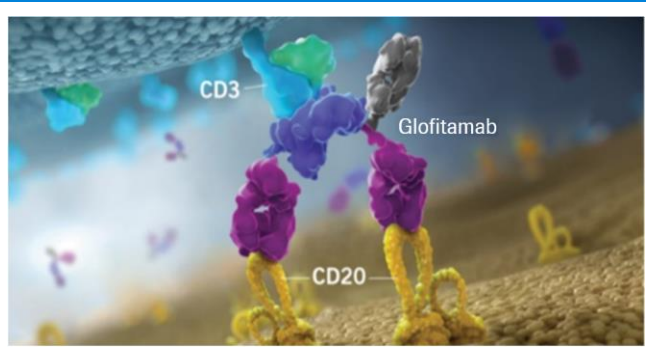


* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

Hematology: Glofitamab in NHL

Potential for early filing in R/R DLBCL

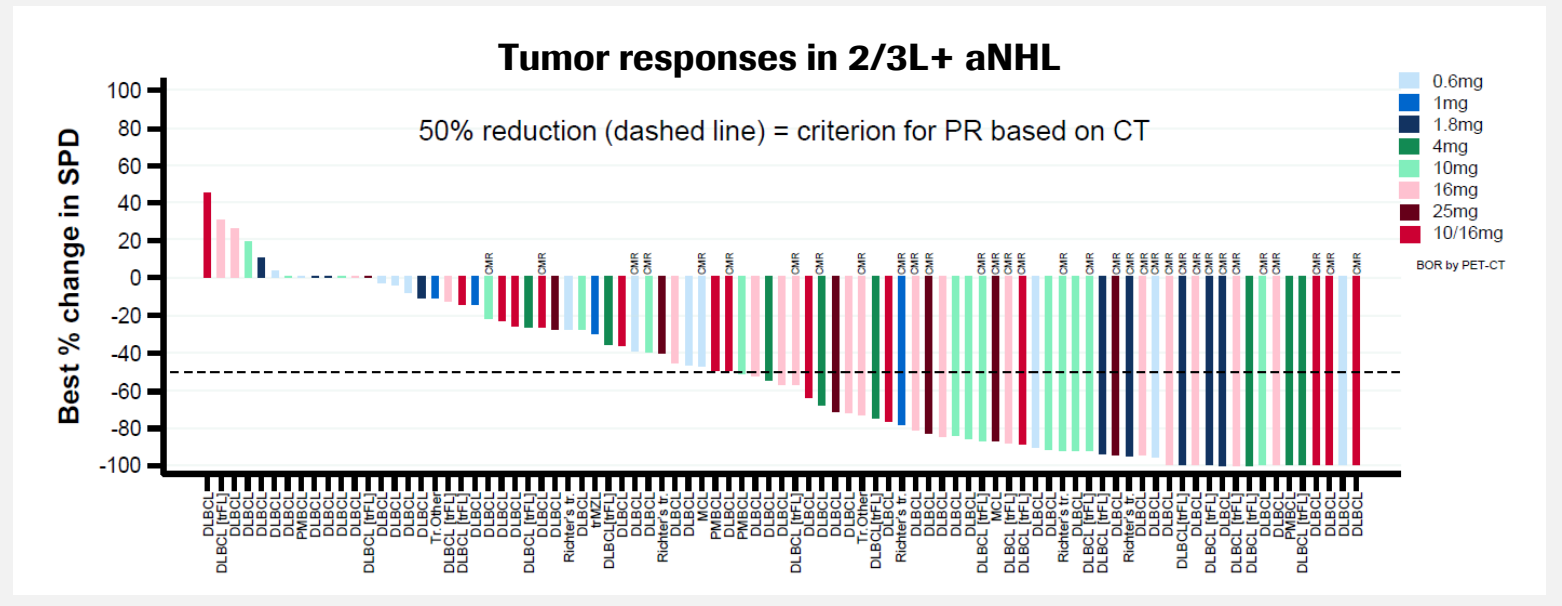
CD20 x CD3 program



Combination	Indication	Ph1	Ph2	Ph3
glofi+GemOx	2L+ DLBCL	█	█	█
glofi	R/R DLBCL/FL	█	█	
glofi+G/R+CHOP	1L DLBCL	█	█	
glofi+T	R/R DLBCL/FL	█	█	
glofi+G	R/R FL	█	█	
glofi+P	R/R DLBCL	█	█	

- ~1000 Patients have been treated in the CD20xCD3 program (glofit and mosun)
- Initial registration potential for glofitamab in R/R DLBCL and for mosunetuzumab in R/R FL

Ph I (NP30179) dosing in R/R aNHL*



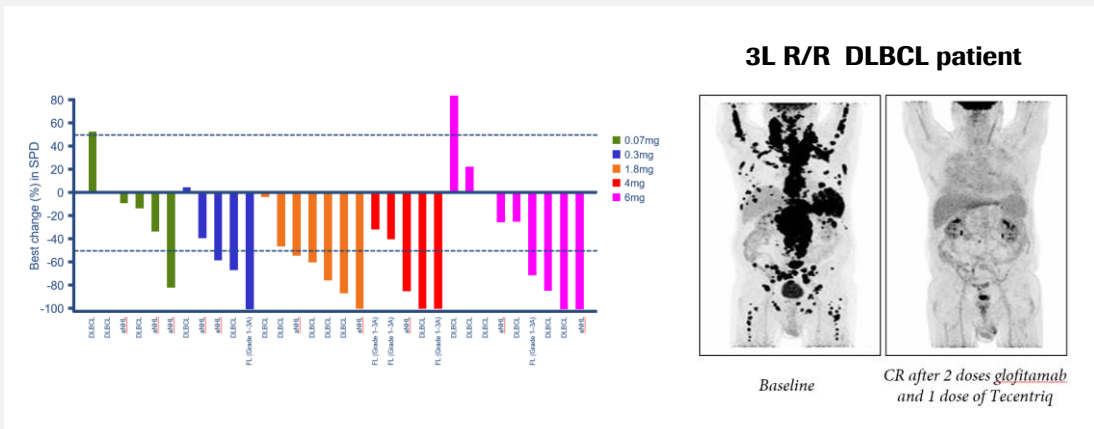
- The ≥10mg cohorts in R/R aNHL showed an ORR of 49.4% and a CR rate of 34.1%; CRs appeared durable with the mDOR not reached after a median follow up of 10.2m
- Good safety profile with manageable CRS confined to cycle 1
- Combination development with R-CHOP and Polivy in DLBCL on-going
- Ph III safety run-in for glofitamab + GemOx in 2L+ DLBCL initiated

Dickinson. M.J. et al, EHA 2020; aNHL=aggressive non-Hodgkin's lymphoma; DLBCL=diffuse large B cell lymphoma; FL=follicular lymphoma; glofi=glofitamab; GemOx=gemcitabine, oxaliplatin; G=Gazyva; R-CHOP=Rituxan, cyclophosphamide, doxorubicin, vincristine, prednisone; P=Polivy; ORR=overall response rate; CR=complete response; mDOR=median duration of response; CRS=cytokine release syndrome; *Aggressive NHL includes primarily DLBCL, some transformed FL, PMBCL, MCL, transformed MZL and Richter's transformation

Hematology: Exploring feasible combinations

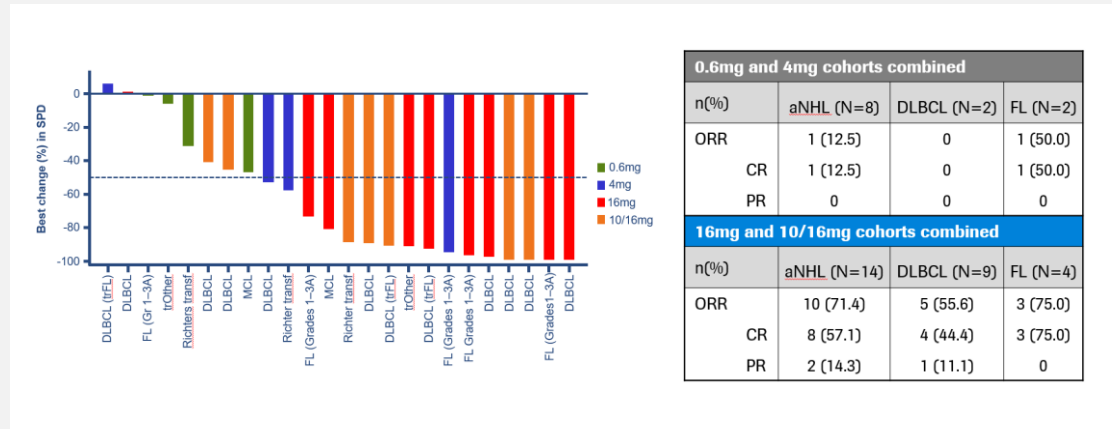
Initial efficacy and safety data show combination potential

Ph I results of glofitamab + Tecentriq in R/R NHL



- T-cell activation observed consistent with the hypothesized MOA of the combination
- Trend towards increased response rate was observed starting at glofitamab doses ≥ 1.8 mg
- Manageable safety in R/R NHL

Ph I results of glofitamab + Gazyva in R/R NHL



- Highly promising activity in heavily pre-treated patients
- ORR and CR rates by investigator assessment were 54% (15/28 pts) and 46% (13/28); CR appear durable
- Safety profile consistent with known safety profiles of the individual drugs

Further development work needed to identify most promising paths forward for chemo-free combinations

Hematology: Mosunetuzumab in NHL

Potential for early filing in R/R FL; SC data to be presented at ASH

CD20 x CD3 program

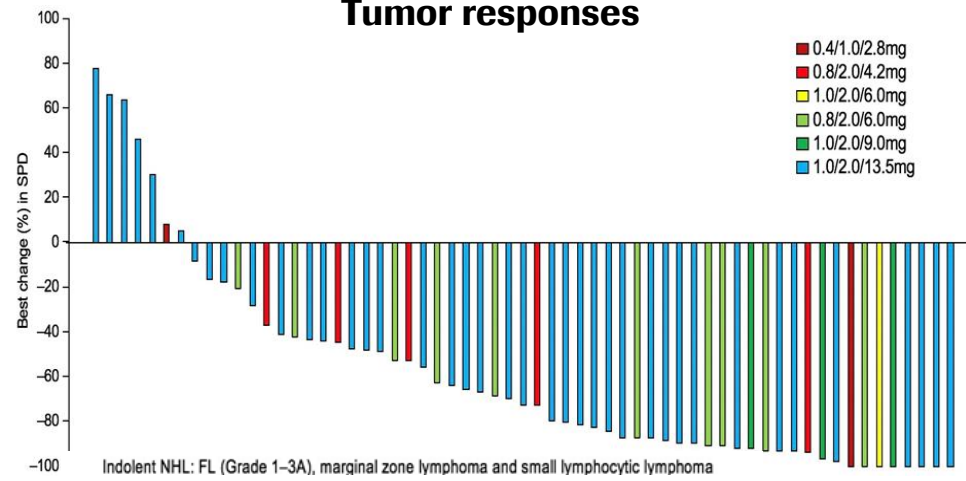


Combination	Indication	Ph1	Ph2	Ph3
mosun+len	R/R FL	█	█	█
mosun+CHOP *	1L DLBCL	█	█	█
mosun+CHP+P	1L DLBCL	█	█	█
mosun *	R/R DLBCL/FL/MCL	█	█	█
mosun *	1L/2L (unfit) DLBCL	█	█	█
mosun	3L+ DLBCL/FL/ ibrutinib R/R MCL	█	█	█
mosun+P	R/R DLBCL	█	█	█
mosun+T	R/R DLBCL/FL	█	█	█
mosun SC *	R/R DLBCL/FL	█	█	█

* Data submitted to ASH 2020

Mosunetuzumab in 3L+ FL

Tumor responses



- Pooled data from 2.8mg to 13.5mg cohorts showed an ORR of 62.7% and CR of 43.3%; 82.8% patients remain in complete remission for up to 26m off initial treatment
- Overall CRS rate of 28.9% (predominantly fever Gr1) with only 1.1% CRS events of Gr≥3
- Ph III safety run-in for mosunetuzumab + lenalidomide in R/R FL initiated
- First Ph I data on mosunetuzumab SC to be presented at ASH 2020

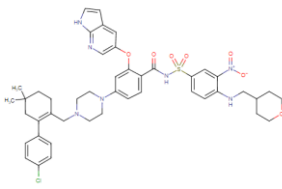
Hematology: Venclexta in CLL, AML, MM, MDS

Ph III studies to be initiated in various indications

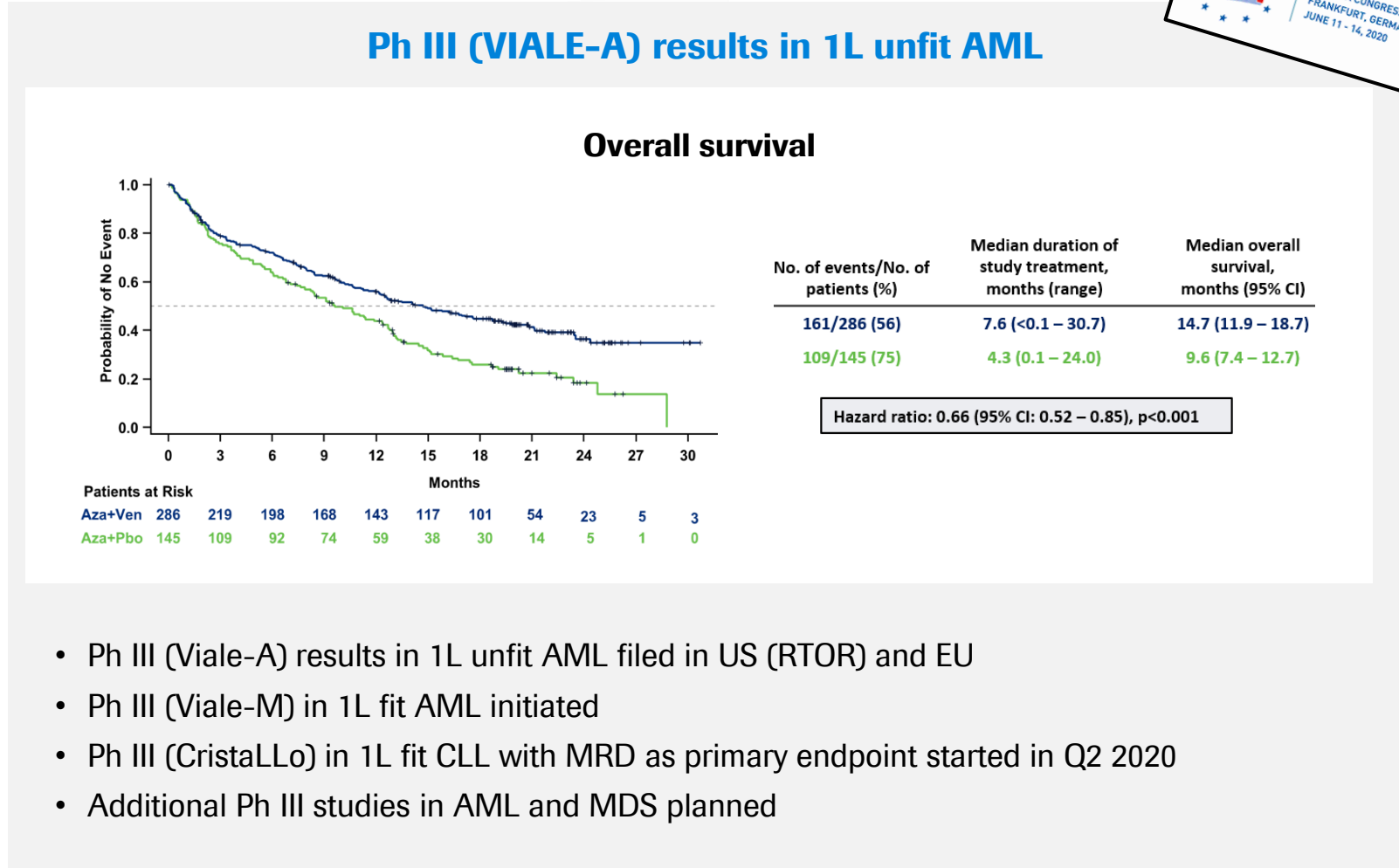


Venclexta program

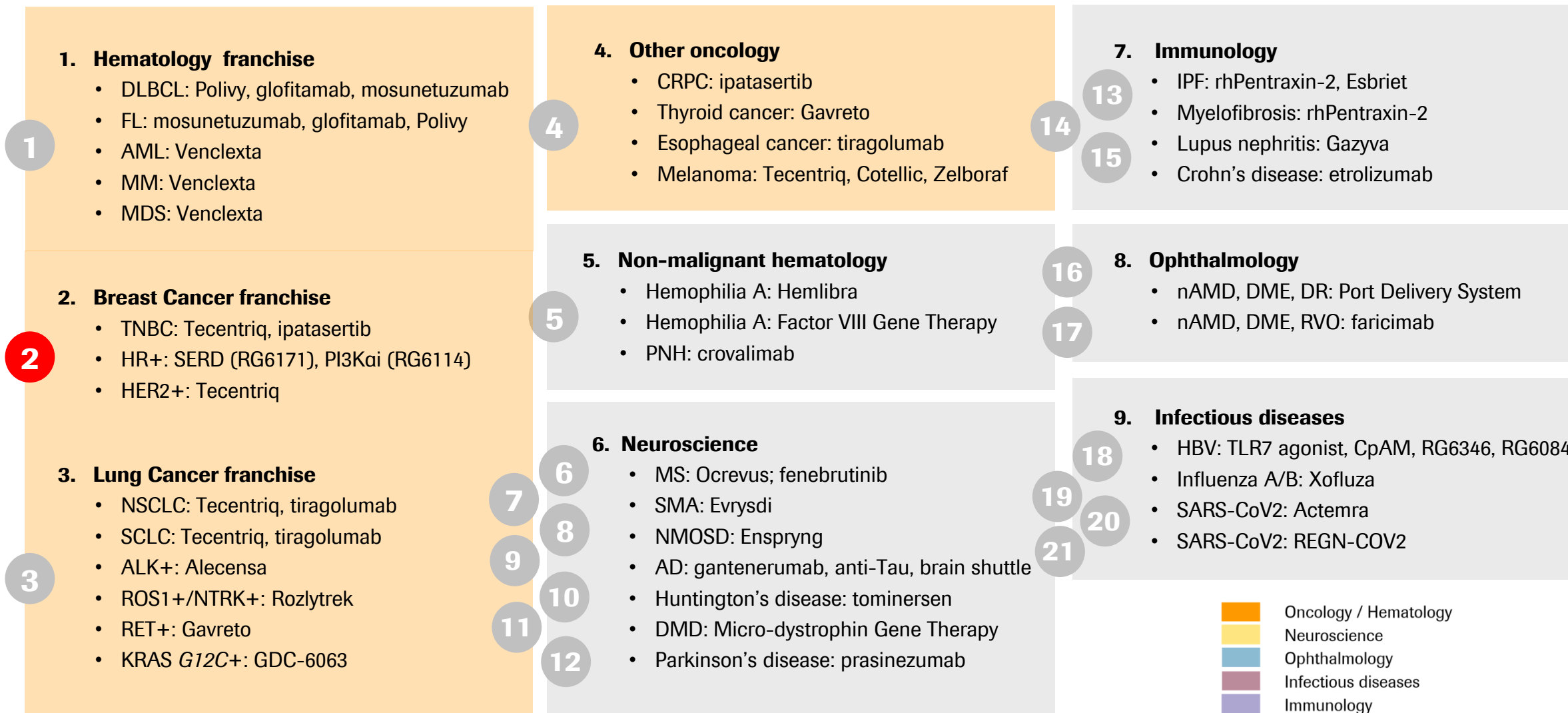
Bcl-2 inhibitor



	Combination	Indication	Ph1	Ph2	Ph3
NHL	V+P+G/R	R/R DLBCL/FL	▶	▶	▶
	V+G	1L unfit CLL	▶	▶	▶
CLL	V+R	R/R CLL	▶	▶	▶
	V	R/R CLL 17p	▶	▶	▶
	V	R/R CLL after ibr/idel	▶	▶	▶
MM	V+G	1L fit CLL	▶	▶	▶
	V+dex	t(11;14) R/R MM	▶	▶	▶
	V+carfilzomib+dex	t(11;14) R/R MM	▶	▶	▶
AML	V+aza	1L AML	▶	▶	▶
	V+LDAC	1L AML	▶	▶	▶
	V+AMG176	R/R AML	▶	▶	▶
MDS	V+gilteritinib	R/R AML	▶	▶	▶
	V+aza	1L MDS	▶	▶	▶
	V+/- aza	R/R MDS	▶	▶	▶
HR+BC	V+fulvestrant	2L+ HR+	▶	▶	▶



Late stage pipeline update



* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

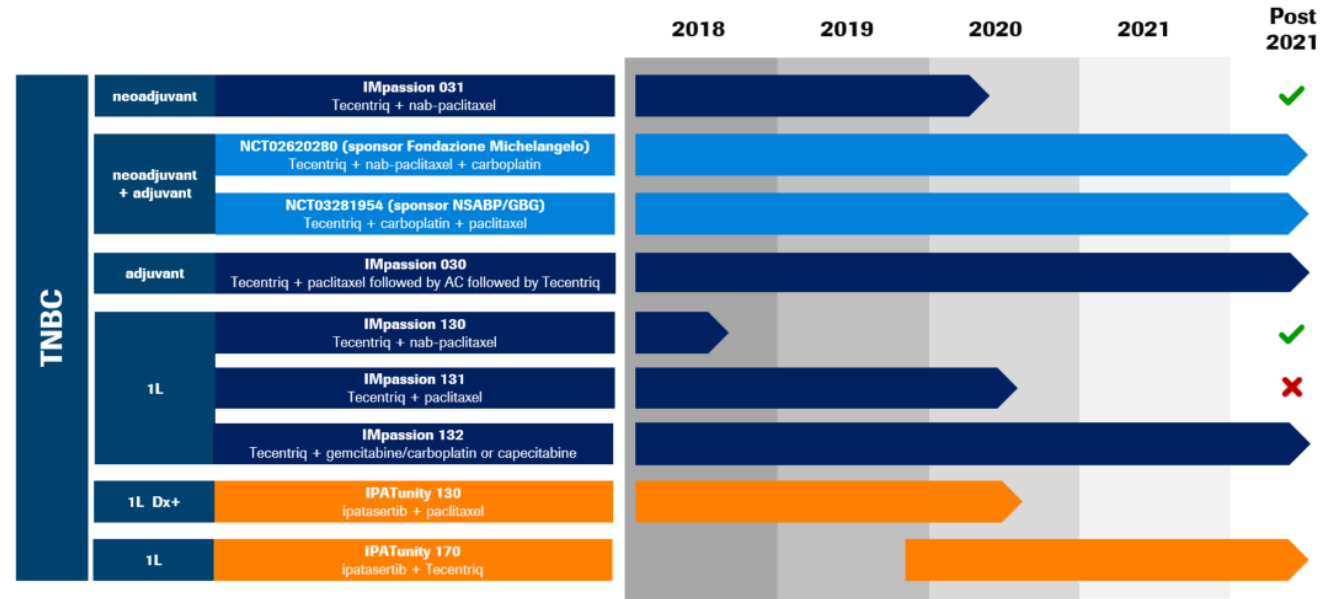
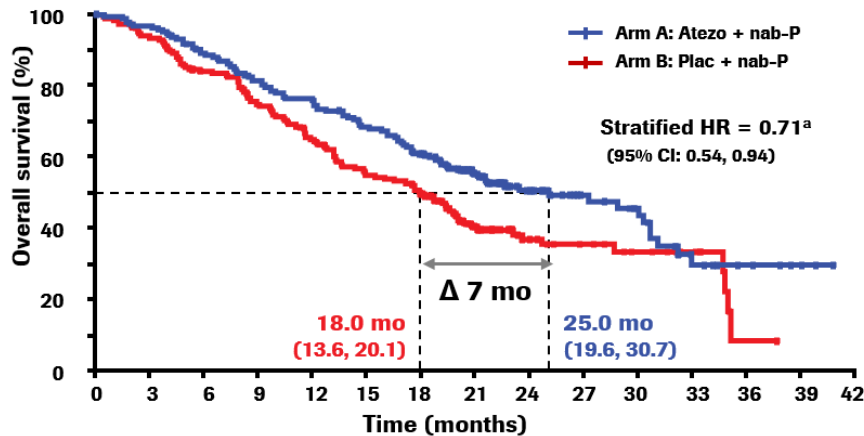
TNBC franchise: Tecentriq + nab-pac new SOC in 1L

Positive Ph III results in neoadjuvant

Ph III (IMpassion130) results in 1L

TNBC program covering all lines of treatment*

Clinically meaningful OS improvement (2nd interim)
PDL1+ population



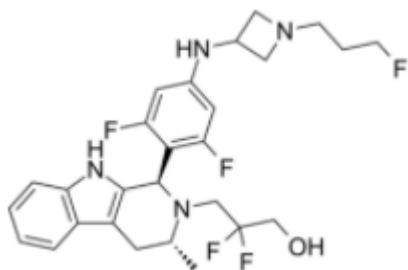
- Positive Ph III (IMpassion031) results for Tecentriq+nab-pac in neoadjuvant TNBC announced; data to be presented

HR+/HER2- franchise: Potentially best in class 3rd gen SERD

Strong efficacy as a single agent and in combination

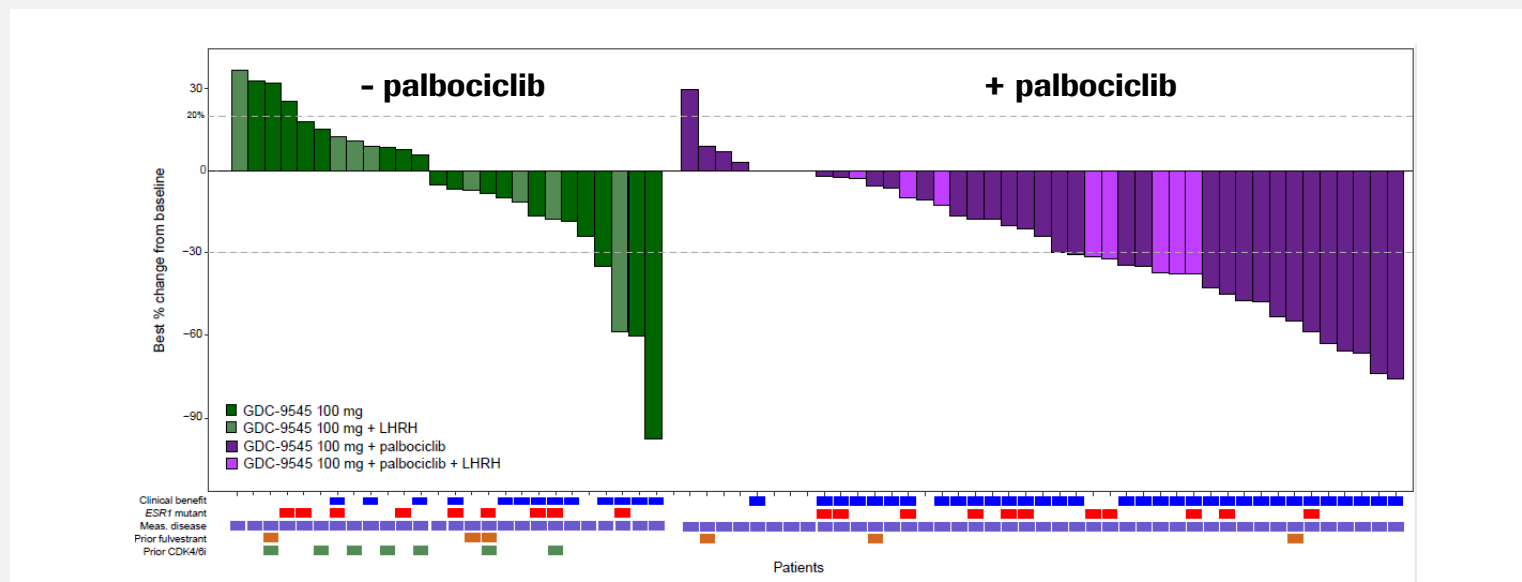
ASCO20 Virtual

Selective ER degrader (SERD) RG6171 (GDC-9545)



- 3rd generation oral SERD
- Highly potent in vitro and improved efficacy in vivo versus previous SERDs
- High potency + minimal safety findings lead to wide nonclinical safety margins
- First SERD with positive combination data with a CDK4/6 inhibitor

Ph Ib results: Tumor responses RG6171 +/- palbociclib



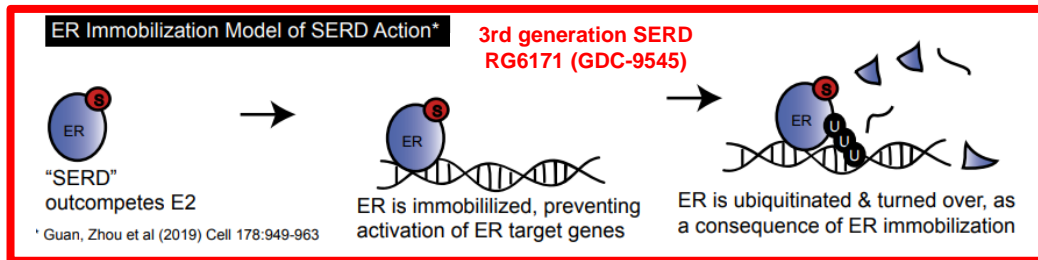
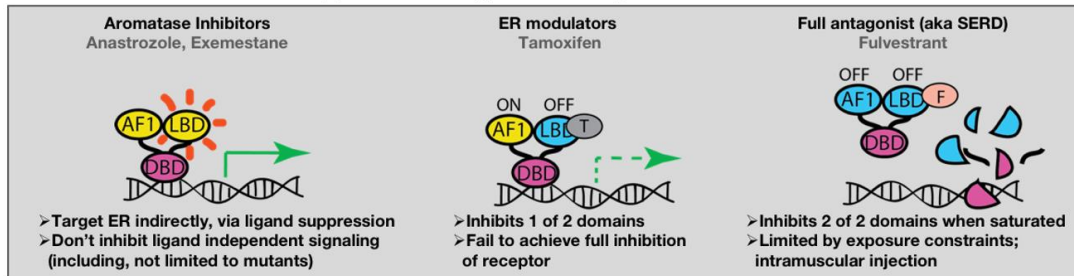
- Strong potentially best-in-class efficacy as single agent or in combination with a CDK4/6 inhibitor in pre-treated ER+ patients, regardless of ESR1 resistance mutations
- Well-tolerated up to doses of 100 mg daily
- Expansion cohort at 30 mg daily on-going given the promising efficacy with a clinical benefit rate of 50%*

HR+/HER2- franchise: Potentially best in class 3rd gen SERD

Ph III program in 1L+ and eBC initiated

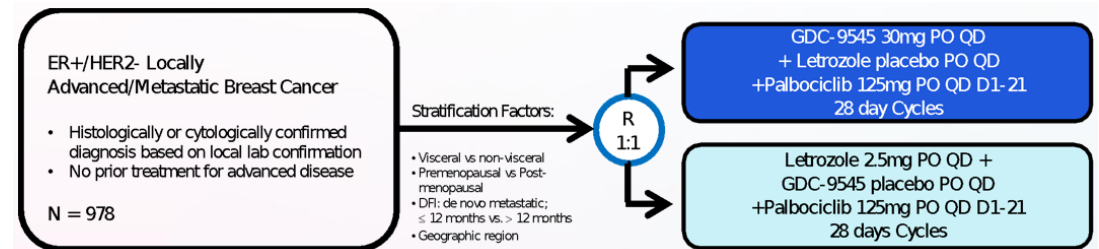
3rd gen SERD: Overcoming fulvestrant limitations Improved MOA for a well established target

Approved strategies for therapeutic intervention

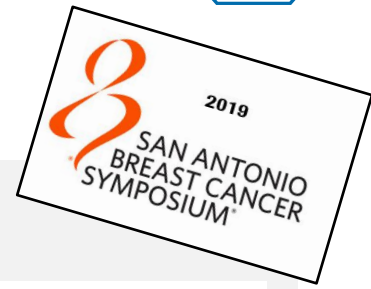


- RG6171 is a 3rd generation SERD with improved bioavailability and a novel MOA: Increased efficacy is due to “ER immobilization” which suppresses transcriptional activity prior to ER degradation

Ph III trial design in 1L mBC



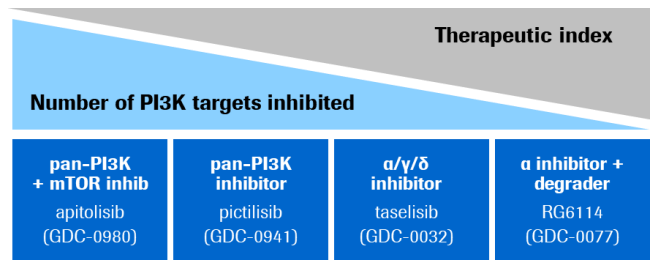
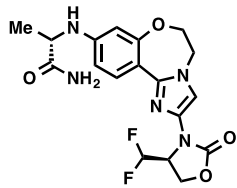
- Ph III RG6171 + palbociclib in 1L mBC to start in 2H 2020
- Ph II RG6171 + palbociclib in neoadjuvant started in Q3 2020; Ph III adjuvant study planned
- Pivotal Ph II RG6171 in 2/3L to start in Q4 2020; results expected in 2022



HR+/HER2- franchise: PI3K α in *PIK3CA*-mutant tumors

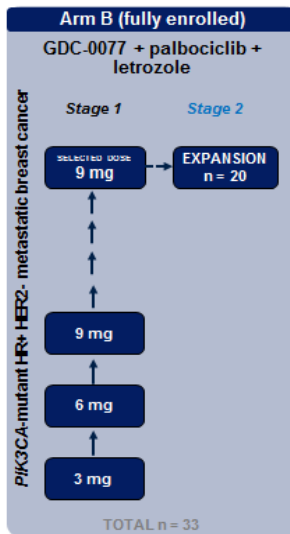
Ph III for potentially best in class PI3K α inhibitor started

PI3K α selective inhibitor + mutant PI3K α degrader

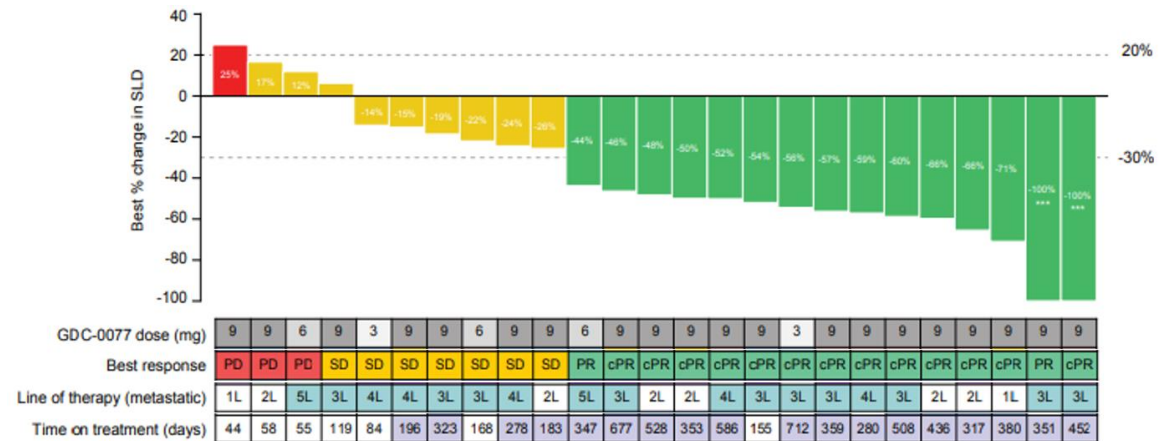


- Dual MOA: More potent and selective for PI3K α + degrades mutant PI3K α
- Greater safety margins
- Better in vivo efficacy
- Greater, more durable target inhibition
- Combinations with other therapies

Ph I (dose escalation and expansion cohort)

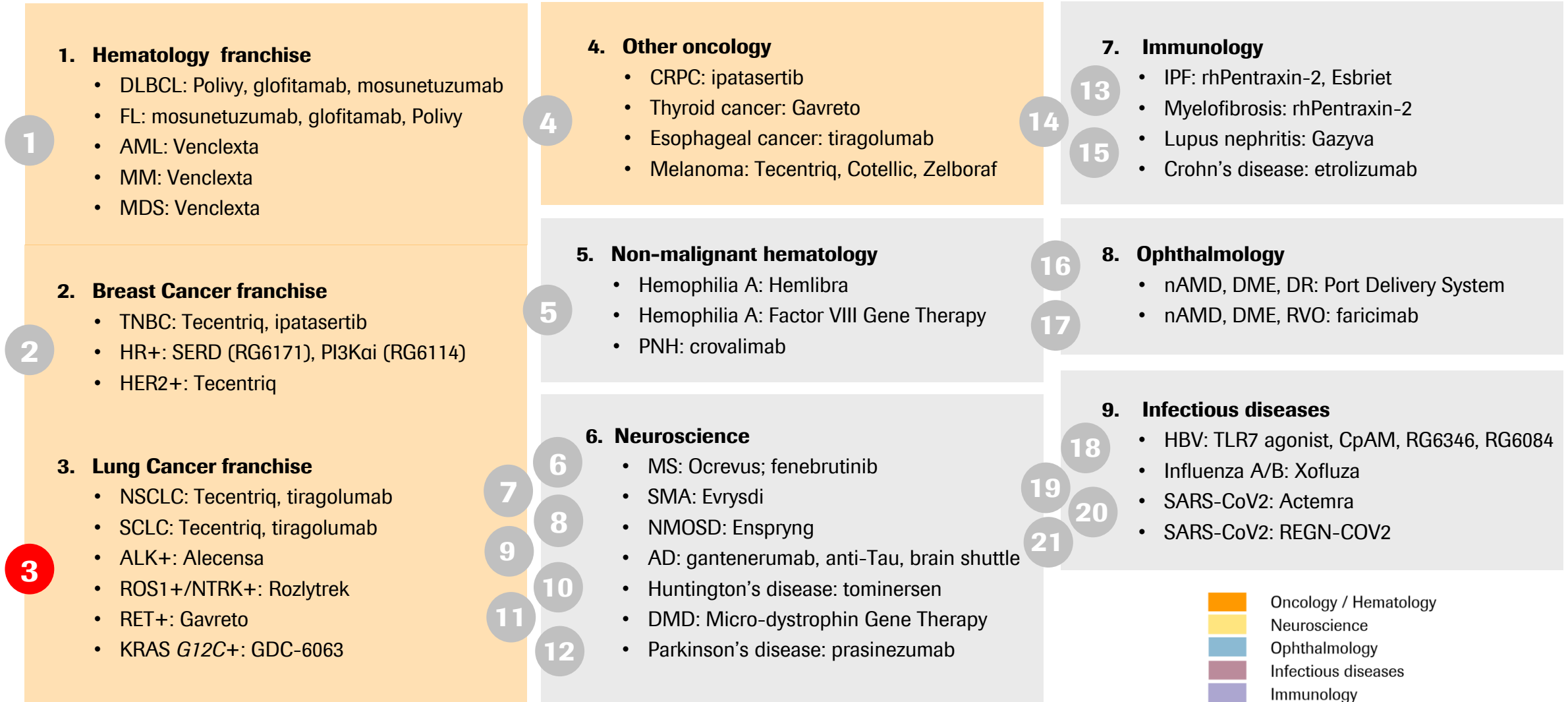


palbociclib + letrozole



- Strong efficacy in on-going Ph I/Ib as single agent or as combo with ET (letrozole or fulvestrant) +/- palbociclib in patients with locally advanced or metastatic *PIK3CA*-mutant solid tumors
- Good safety as single agent or combined
- Ph III (INAVO120) RG6114* + palbociclib + fulvestrant in 1L *PIK3CA*-mutant HR+/HER2- mBC started in Q1 2020

Late stage pipeline update



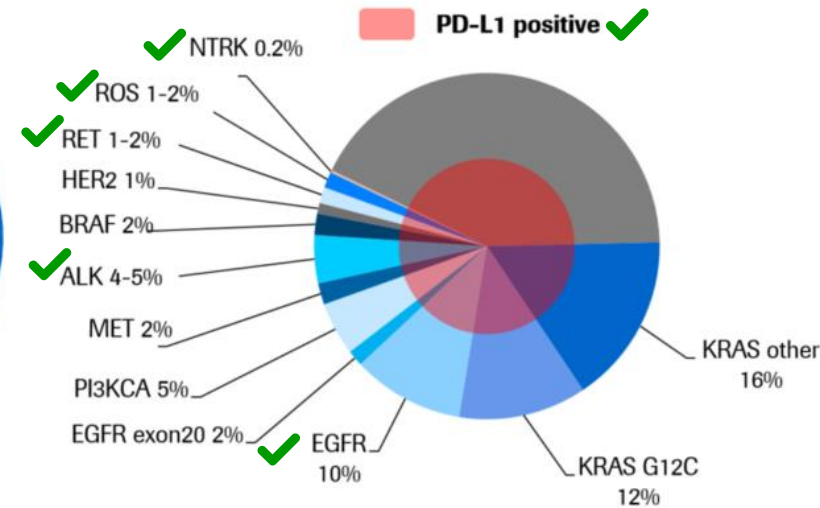
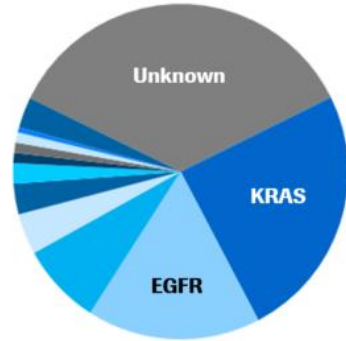
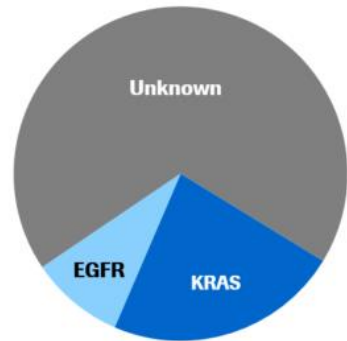
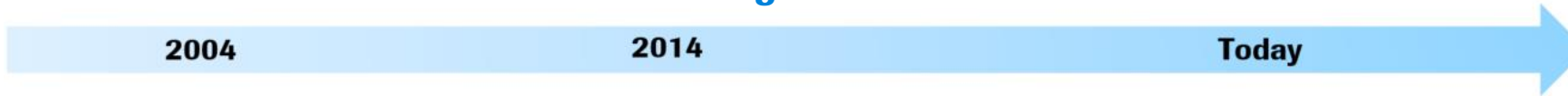
* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

Lung franchise

Integrated value proposition for patient classification & care



Evolution of lung cancer classification



- Roche uniquely positioned to establish integrated PHC solutions
- Develop rare mutation agents faster and cheaper leveraging B-FAST, FMI, Flatiron, PHC
- Multiple lung pilots focused on integrated offerings underway (Taiwan, Croatia, Australia)

FoundationOne® CDx

FoundationOne® Liquid CDx

NAVIFY®



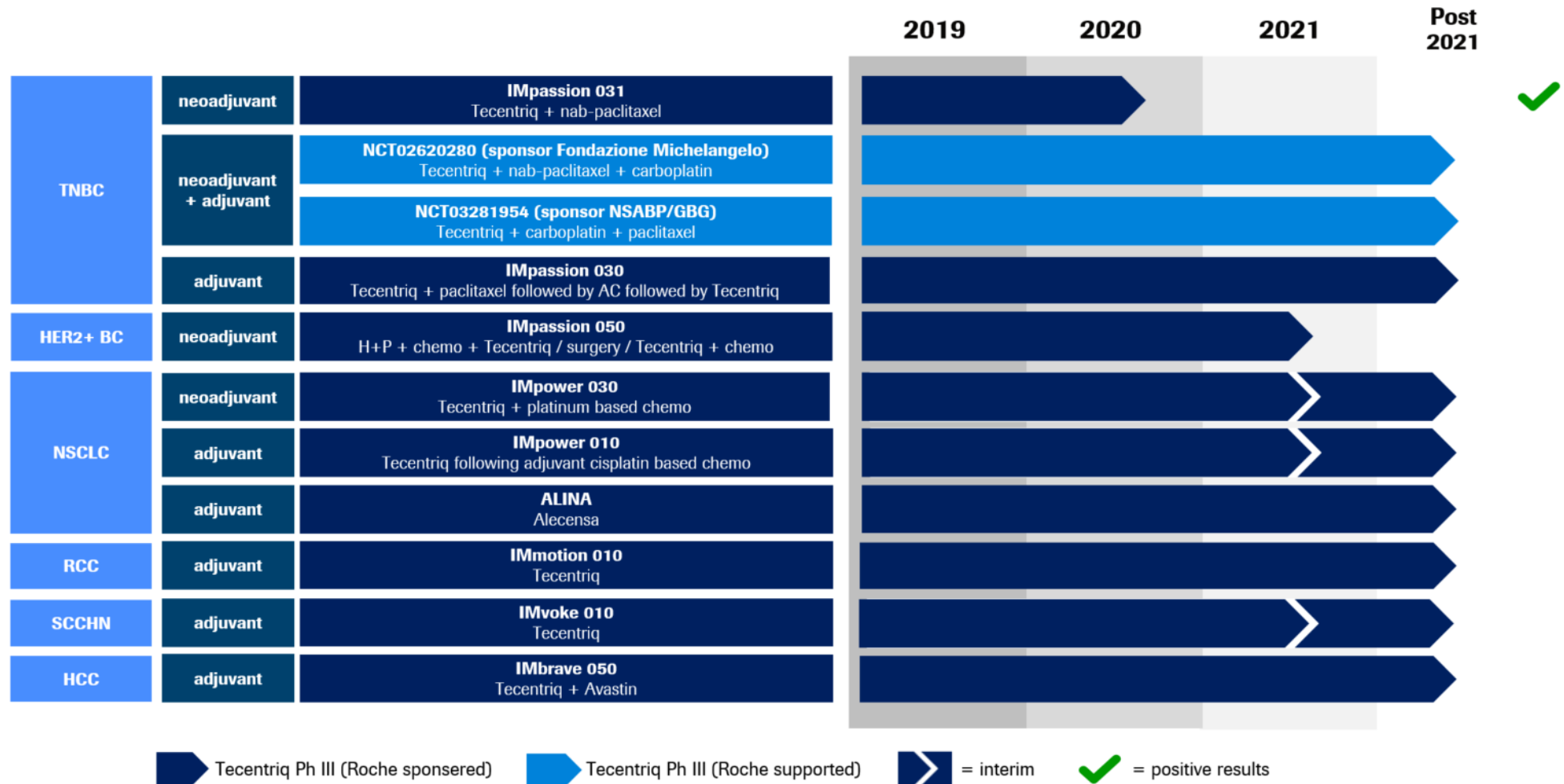
tiragolumab

GDC-6036 (KRASG12C)

PI3Kai (RG6114)

Lung franchise: Overview adjuvant program

NSCLC, HER2+ BC, SCCHN reading out in 2021

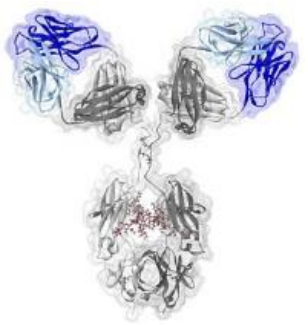


Lung franchise: Tiragolumab + Tecentriq in NSCLC & SCLC

Pivotal Ph III study in stage III NSCLC initiated

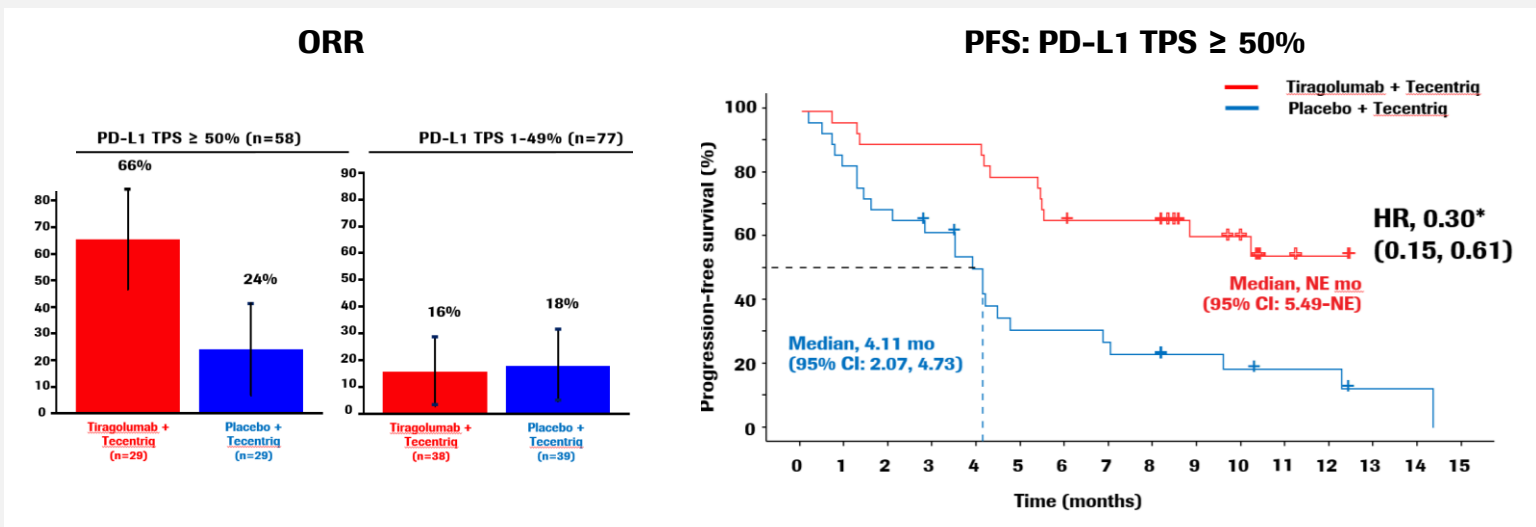
ASCO20 Virtual

Anti-TIGIT mAb



- Fully human IgG1/kappa Ab with intact Fc region that blocks the binding of TIGIT to its receptor PVR
- Could restore anti-tumor response and could complement the activity of anti-PD-L1/PD-1 antibodies

Randomized Ph II (CITYSCAPE) in 1L NSCLC



- Tiragolumab + Tecentriq showed clinically meaningful improvement in ORR and PFS in the ITT population with a greater magnitude of improvement in the PD-L1 TPS ≥ 50% subgroup
- Tiragolumab + Tecentriq was well-tolerated with a safety profile similar to the control arm
- Ph III in 1L PDL1+ NSCLC (SKYSCRAPER-01), 1L ES-SCLC (SKYSCRAPER-02) and stage III NSCLC (SKYSCRAPER-03) on-going
- Ph II (CITYSCAPE) update including OS in 2021

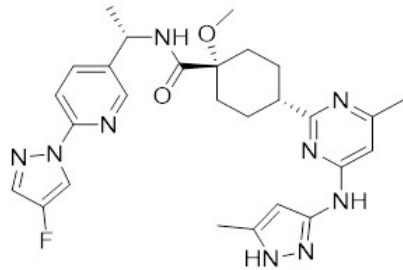
Lung franchise: Gavreto new SOC in RET+ mNSCLC

Strong and durable responses including CNS disease control

ASCO20 Virtual
FDA approved

RET inhibitor

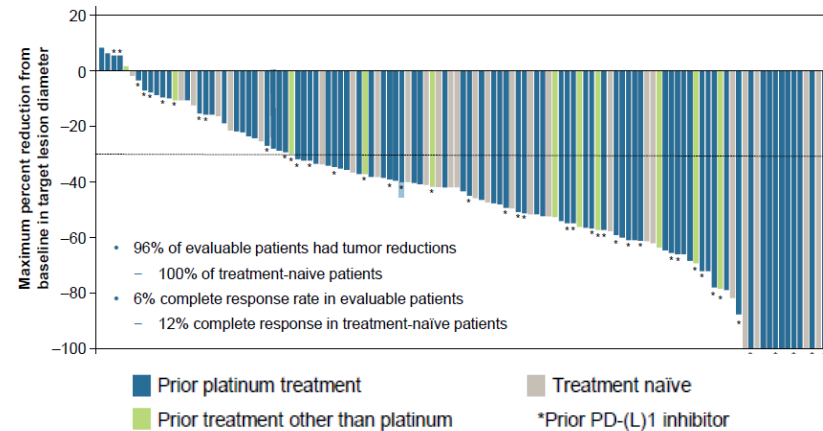
FDA BTD



- Oral small molecule kinase inhibitor
- Highly selective for RET fusions and mutations, including predicted resistance mutations
- Brain penetrant and CNS active
- ~1-2% of NSCLC patients with RET fusions, thereof ~40% with brain metastases

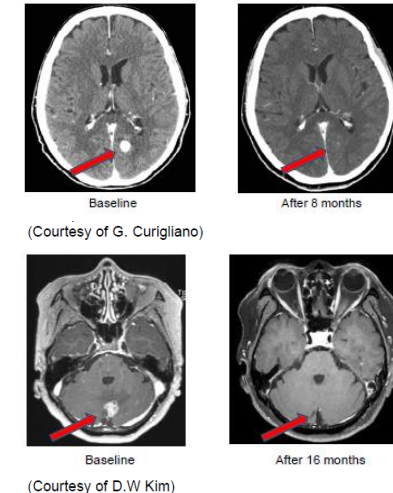
Ph I/II (ARROW) results in RET fusion+ mNSCLC

Tumor responses



Gainor J. F. et al, ASCO 2020

CNS responses



(Courtesy of G. Curigliano)

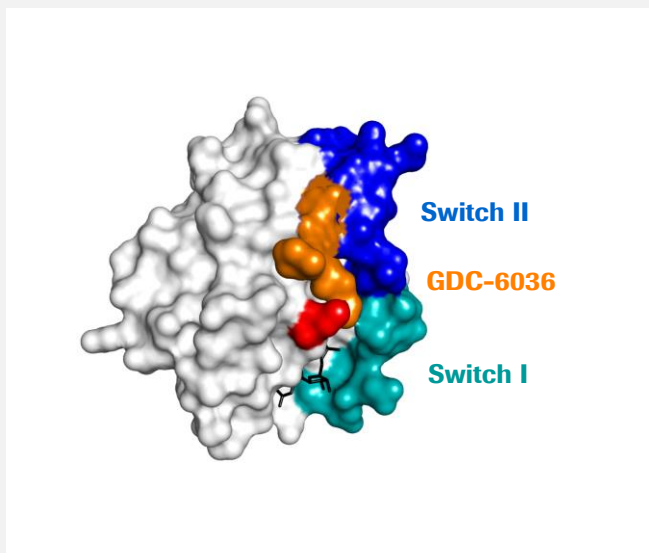
(Courtesy of D.W Kim)

- 70% ORR in naïve including 11% CR and 57% ORR in post-platinum patients including 6% CR*
- CNS ORR at 56% (n=9) including 33% CR; rapid and durable responses; mDOR not reached
- Well-tolerated across tumor types with most AEs of grade 1-2
- Ph III (AcceleRET Lung) in 1L advanced or metastatic RET+ NSCLC on-going
- US accelerated approval in RET+ mNSCLC achieved in Q3 2020; filed in the EU

Lung franchise: GDC-6036 (KRAS G12C inhibitor) in solid tumors

G12C driver mutations found in 12% of all NSCLC patients

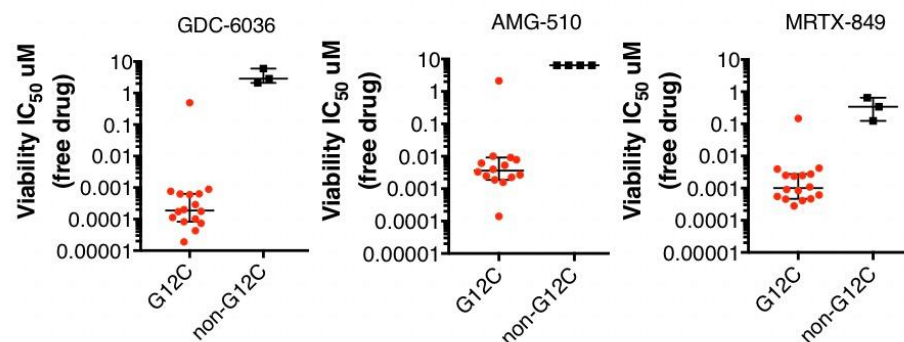
KRAS G12C inhibitor



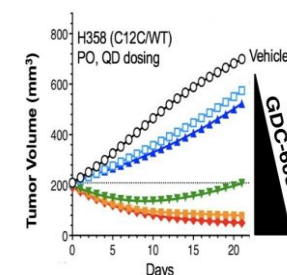
- Highly potent irreversible covalent inhibitor of the KRAS G12C mutant protein, which becomes locked in an inactive state
- Minimal safety findings leading to wide nonclinical safety margins

In vitro and *in vivo* tumor growth inhibition

In vitro cell line potency



Tumor regression in G12C mutant xenograft mouse models

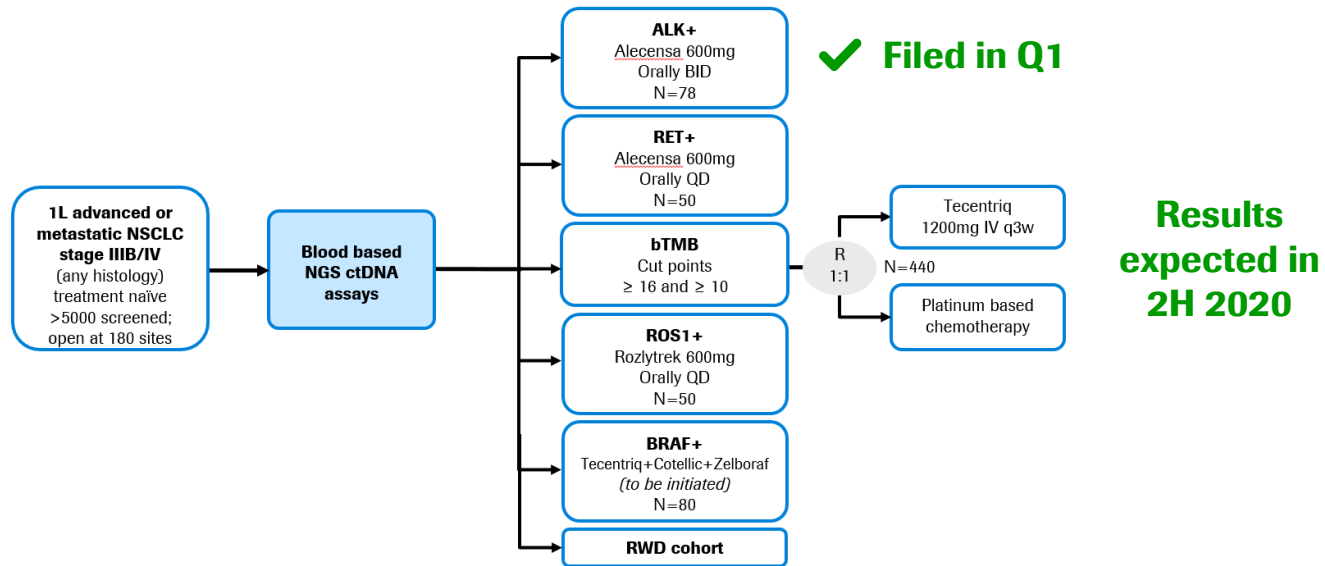


- GDC-6036 causes tumor growth inhibition in multiple patient derived KRAS G12C+ cell lines and in xenograft mouse models
- GDC-6036 synergizes with multiple targeted therapies; strong scientific rationale for combining with medicines that act on other parts of RAS pathway to deepen responses, extend duration of disease control, and limit treatment resistance.
- Ph I dose escalation and expansion in KRAS G12C+ solid tumors started in Q2 2020

Lung franchise: Blood-based NGS ctDNA assays

30% of lung cancer patients with insufficient biopsy material

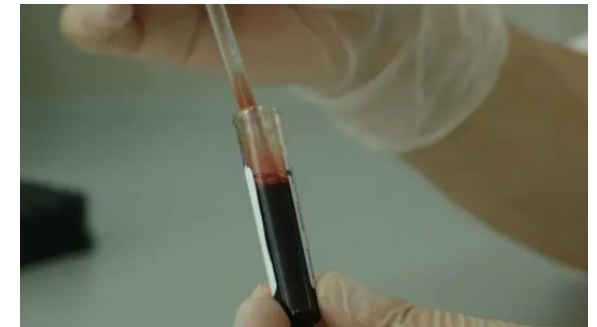
Ph III trial design (B-FAST) for 1L treatment naive NSCLC



- Allows for serial liquid biopsy testing to follow tumor evolution and resistance
- RWD cohort paired with NGS testing provides additional natural history & epidemiological data
- Primary endpoint in the ALK+ cohort met; filed in Q1 2020

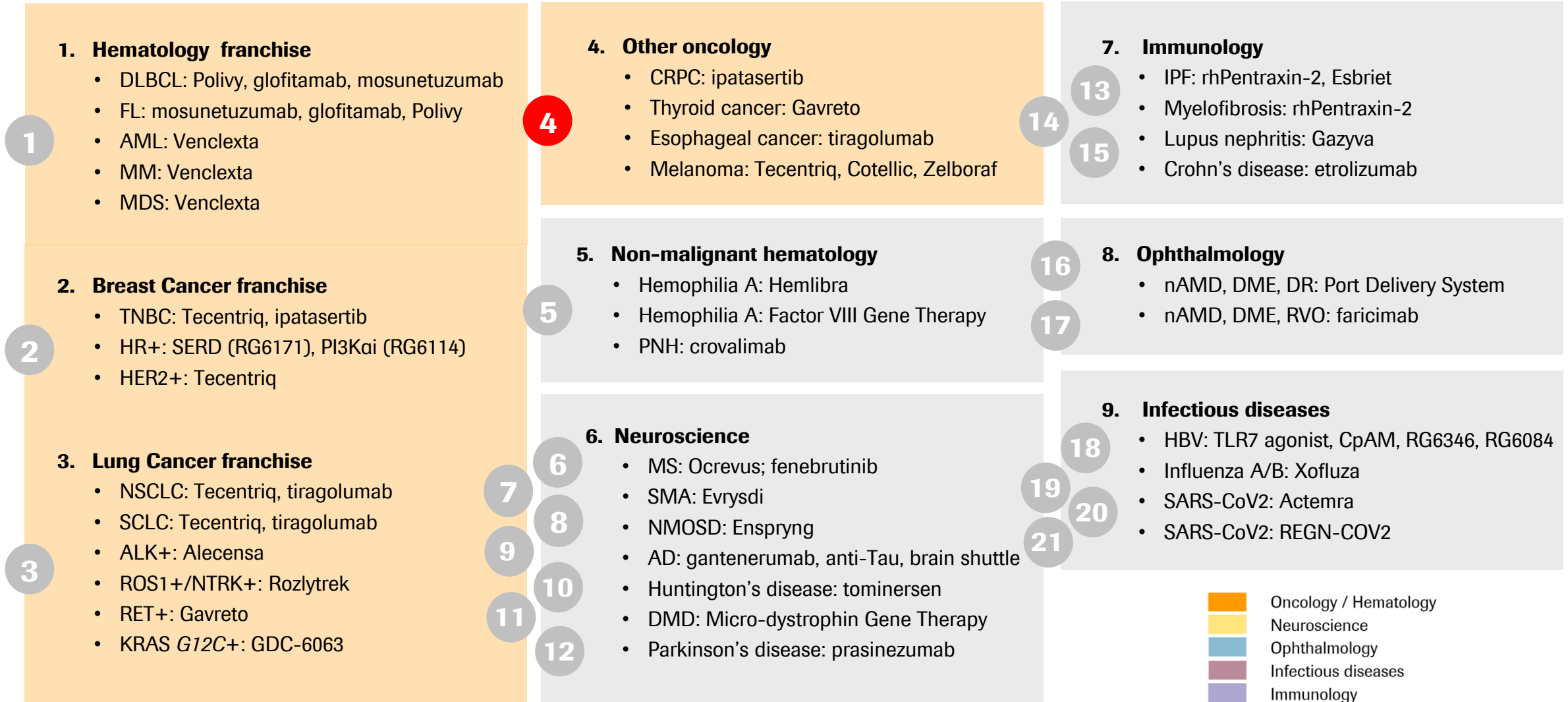
Blood based biomarkers

FoundationOne® Liquid CDx



- **Liquid biopsy test that detects the 4 main classes of genomic alterations (324 genes), bTMB, MSI**
- **Comprehensive genomic profiling including resistance mutations or fusions in NSCLC**
- **Guides therapy selection and clinical trials**

Late stage pipeline update

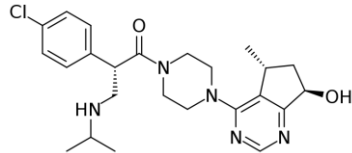


* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

GU franchise: Ipatasertib in 1L mCRPC

Positive Ph III results for patients with PTEN loss

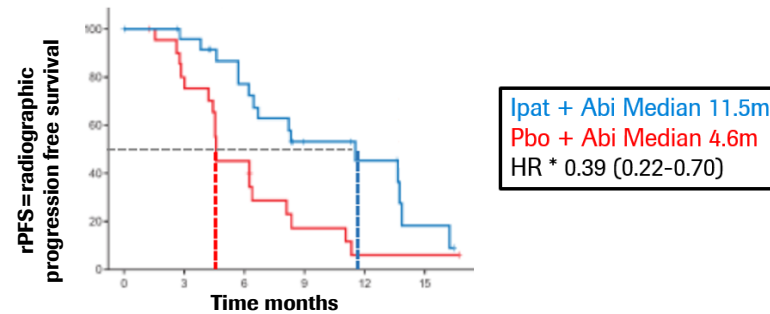
Highly selective AKT inhibitor



- Oral, highly specific inhibitor of all three activated isoforms of AKT and potentially preventing cancer cell growth and survival
- Clinical development in tumors with high frequency of PI3K/AKT pathway activation (CRPC, TNBC, HR+ mBC)

Ph II (A.MARTIN) results

rPFS (400mg dose) in PTEN loss patients



	ICR IHC		Ventana IHC		FISH		NGS	
	PTEN loss	PTEN non-loss	PTEN loss	PTEN non-loss	PTEN loss	PTEN non-loss	PTEN loss	PTEN non-loss
rPFS, mo								
Ipat	11.5	7.5	11.0	7.5	13.7	6.5	13.8	7.4
Pbo	4.6	5.6	4.6	5.7	6.5	5.6	6.2	4.5
rPFS HR *	0.39	0.84	0.50	0.74	0.67	0.77	0.24	0.52
90% CI	0.22-0.70	0.51-1.37	0.29-0.87	0.41-1.32	0.36- 1.24	0.50-1.20	0.10-0.60	0.25-1.13

- Ph II: rPFS was prolonged in the ipatasertib 400 mg arm (8.2m vs 6.4m; HR=0.75); Dose-dependent improvement was observed in OS
- PTEN loss was associated with an improved rPFS outcome (HR of 0.39 at 400mg dose) as measured by NGS, FISH and IHC
- Ph III (IPATential150) met co-primary endpoint of rPFS in patients with PTEN loss

Biomarker assay

Roche VENTANA PTEN (SP218)



- IHC detection of PTEN protein loss in formalin-fixed, paraffin-embedded tissue

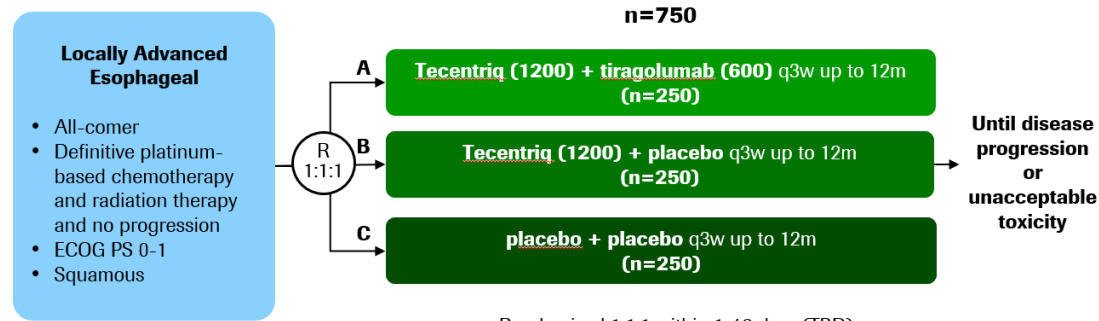


- Strong concordance to DNA technologies (NGS and FISH)

GI franchise: Tiragolumab in esophageal cancer (EC)

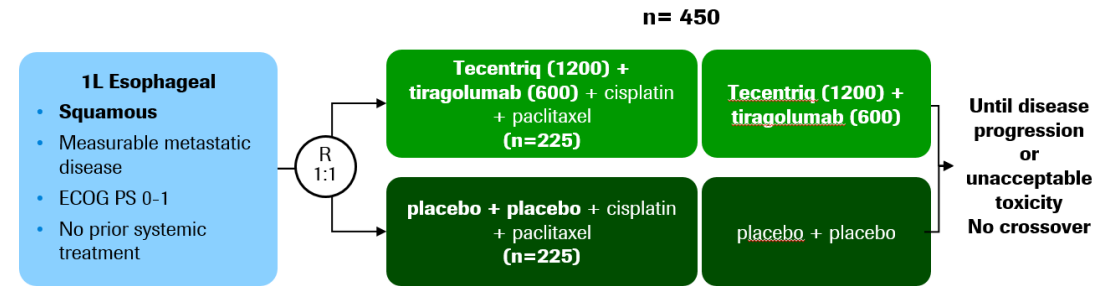
Pivotal Ph III studies initiated

Ph III trial design (SKYSCRAPER-07) in locally advanced EC



- 1EP: PFS A vs C; OS (hierarchical) A vs C; OS (hierarchical) B vs C
- 2EP: OS, PFS A vs B; PFS B vs C; ORR; DOR; safety; QoL

Ph III trial design (SKYSCRAPER-08) in 1L esophageal squamous cancers (ESCC)



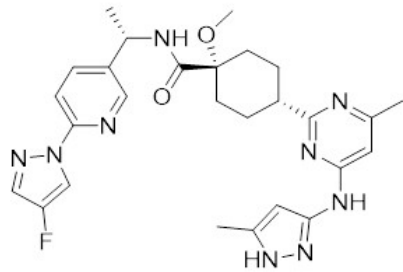
- 1EP: OS; PFS
- 2EP: DOR; ORR; safety; QoL

- Preliminary Ph Ib safety and efficacy data in EC to be presented at upcoming conference
- Global development program with focus on Asia, especially China
- Ph III starts expected in 2020

Thyroid cancer franchise: Gavreto in RET+ TC

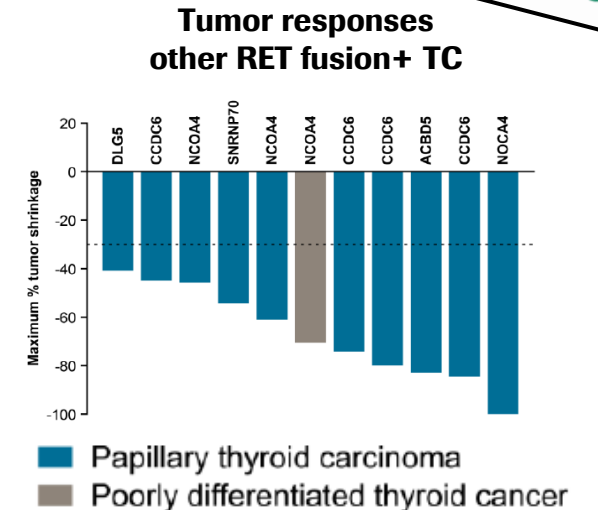
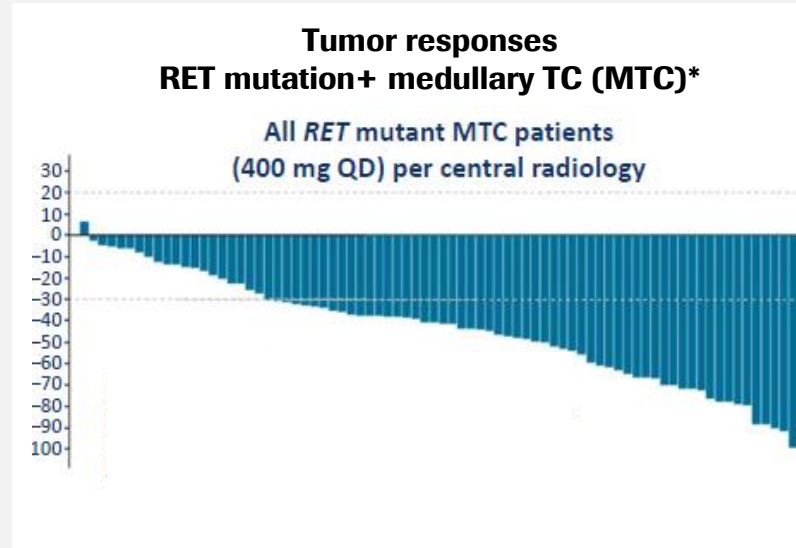
Excellent efficacy and durability across thyroid cancer types

RET inhibitor



- Oral small molecule kinase inhibitor
- Highly selective for RET fusions and mutations, including predicted resistance mutations
- Brain penetrant and CNS active
- 90% of advanced MTC patients with RET activating mutations and ~10-20% of PTC patients with RET fusions

Ph I/II (ARROW) results



- RET+ MTC: ORR 74% in naive patients and 60% ORR in pretreated patients; mDOR not reached *
- RET+ TC: 91% ORR and 6-month DOR stands at 100%
- Registrational data on Ph I/II (ARROW) MTC results to be presented at ESMO
- Ph III (AcceleRET MTC) in MTC to start in H2 2020
- US priority review and RTOR for advanced or metastatic RET+ thyroid cancer on-going

* MTC data released by Blueprint Medicines on April 1, 2020; Subbiah V. et al, ASCO 2020; SOC=standard of care; TC=thyroid cancer; MTC=medullary thyroid cancer; PTC=papillary thyroid cancer; CNS=central nervous system; BTD=breakthrough therapy designation; RTOR=real time oncology review; ORR=overall response rate; mDOR=median duration of response; Gavreto (pralsetinib) in collaboration with Blueprint Medicines; Gavreto, Blueprint Medicines and associated logos are trademarks of Blueprint Medicines Corporation; Gavreto was discovered by Blueprint Medicines

Melanoma franchise: Tecentriq + Cotellic + Zelboraf

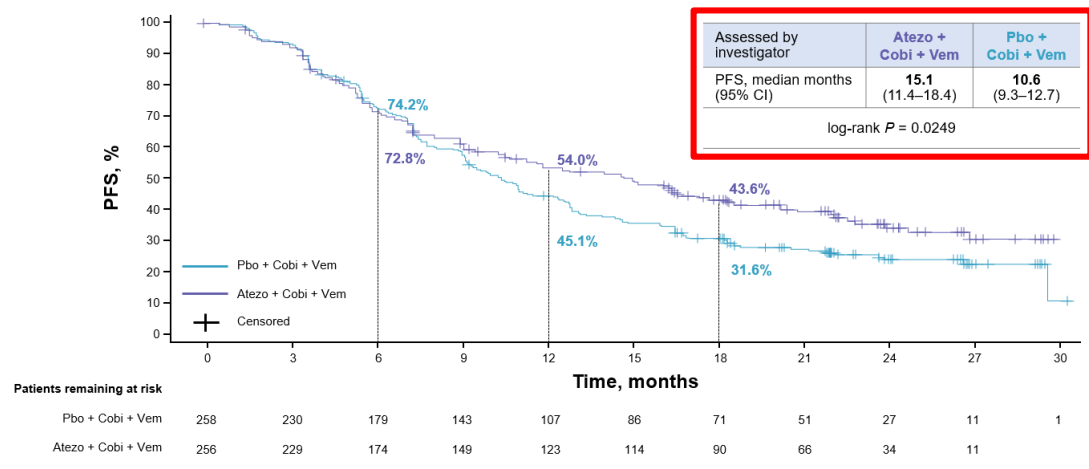
First CIT+targeted therapy in BRAF V600+ melanoma

AACR ANNUAL MEETING 2020
 June 22 - 24, 2020
 Virtual Meeting II, Sessions Available Online

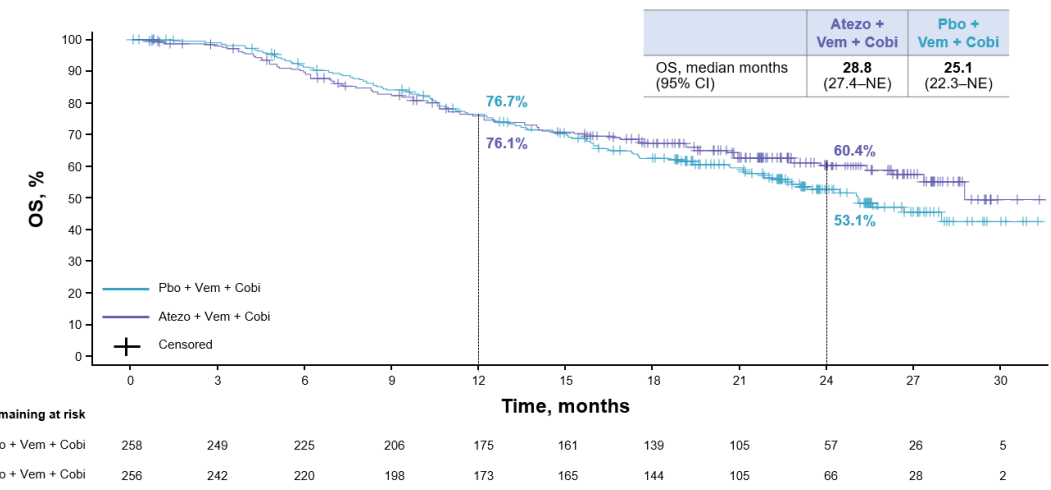
FDA approved

Ph III (IMspire150/TRILOGY) results in BRAF+ melanoma

Investigator assessed PFS

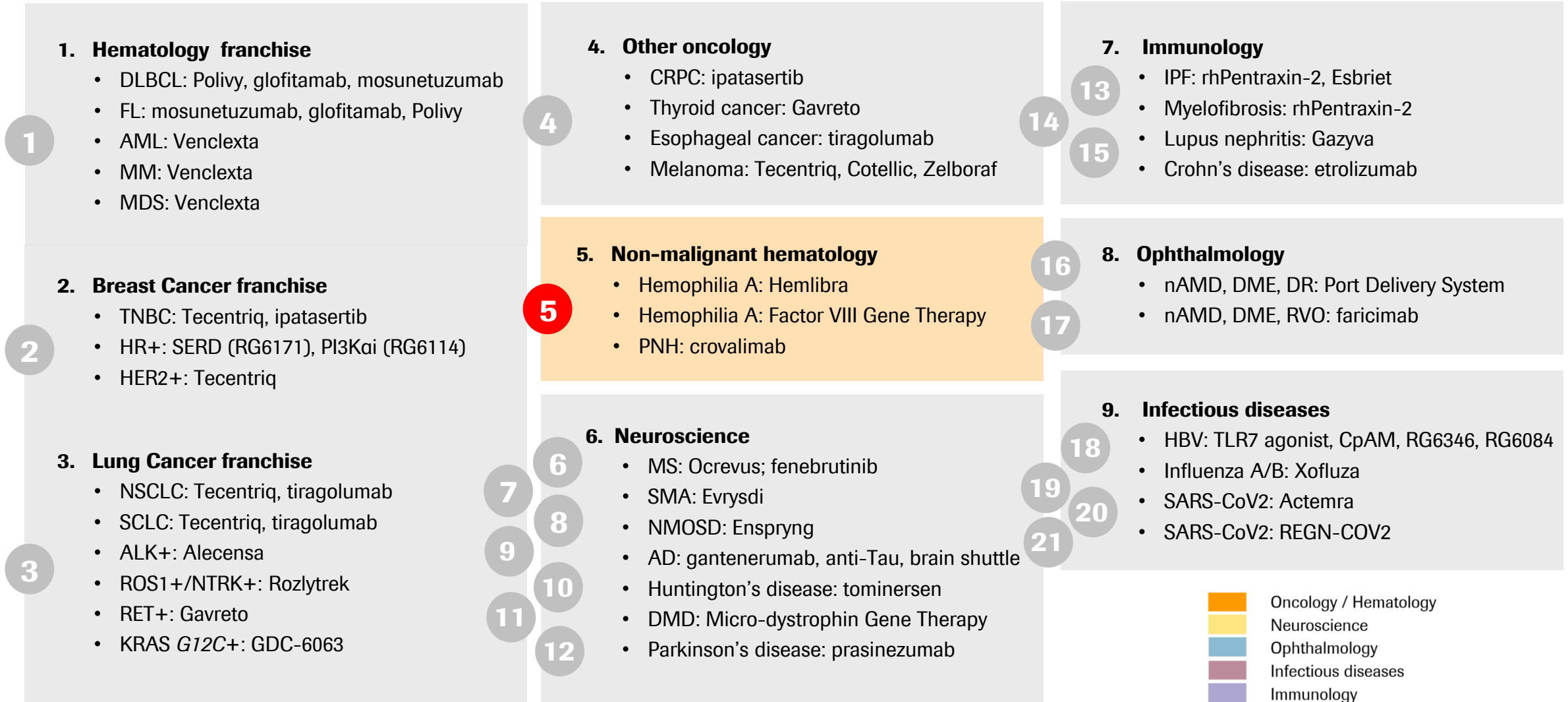


Overall survival (OS)



- Statistically significant and clinically meaningful improvement in investigator-assessed PFS (HR=0.78; 15.1m vs 10.6m) and clinically meaningful improvement in mDOR (21.0m vs 12.6m); no new safety signals were identified
- OS data not mature but favored triplet; next interim expected H1 2021
- FDA approval granted in Q2 2020 under priority review and being part of FDA's project Orbis

Late stage pipeline update

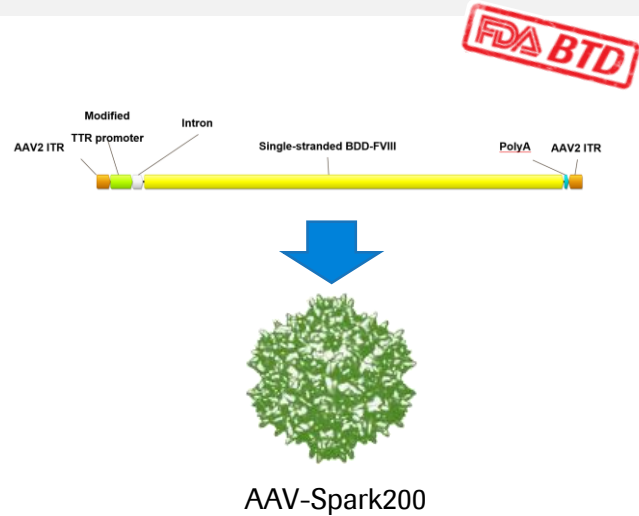


* For further information on target patient populations please consult the appendix; For further details on the late stage pipeline please consult the HY 20 results presentation appendix or visit the IR homepage

Non-malignant hematology: RG6357 (SPK-8011) in hem A

Early efficacy and safety data after 2 to 3.3 years of follow-up

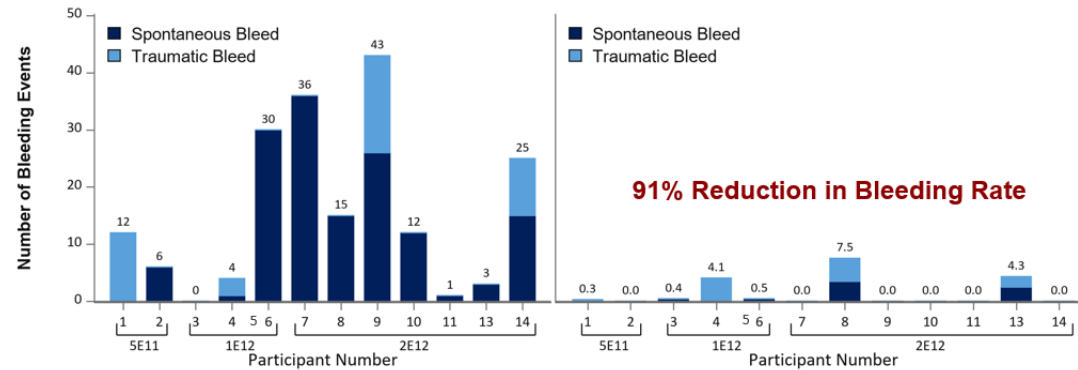
Hemophilia A gene therapy



- Bio-engineered adeno-associated viral (AAV) vector utilizing the AAV-LK03 capsid (Spark200)
- Contains a codon-optimized human factor VIII gene under the control of a liver-specific promoter

Ph I/II (SPK-8011) results

Annualized bleed rate (ABR) of participants with sustained expression (n=12)*



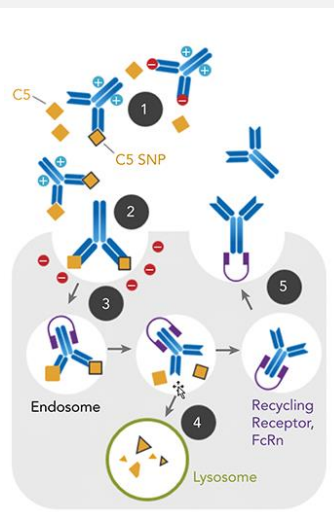
- Data from 5 participants in the 5×10^{11} and 1×10^{12} vg/kg dose cohorts and 7 participants in the 2×10^{12} vg/kg dose cohort showed a 91% ABR reduction and a 96% reduction in FVIII infusions
- The 5 participants in the 5×10^{11} and 1×10^{12} vg/kg cohorts demonstrated durable and stable FVIII expression, had a clinically significant reduction in bleeding and factor use and showed an acceptable safety profile for 2 to 3.3 years of follow up
- Further dose optimization and selection of immunomodulatory regimen on-going
- Ph III to be initiated in 2021



Non-malignant hematology: Crovalimab in PNH

Recycling Ab for maximal inhibition of C5

Anti-C5 mAb

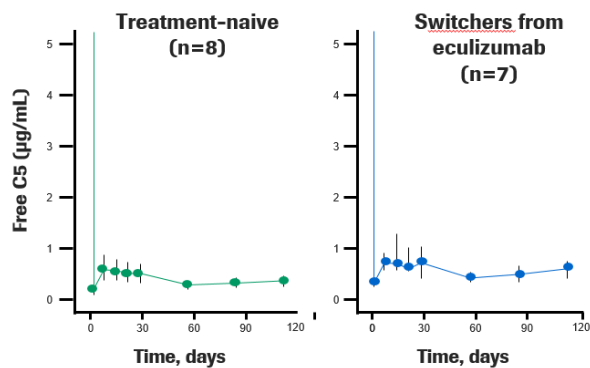


1. High affinity binding
2. Preferential Ab uptake of antigen-bound Ab (PI engineering)
3. Acid-sensitive antigen release
4. C5 degradation in the endosome
5. Ab recycling by FcRn engineering, protecting Abs from degradation

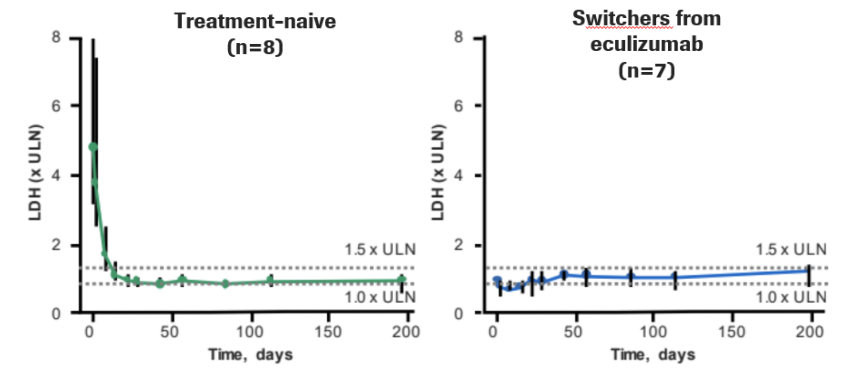
- Chugai engineered, anti complement component 5 (C5) recycling mAb¹⁻⁶
- Engineered to enable maximal, long-lasting neutralization of C5 in complement mediated diseases
- Convenient SC Q4W dosing at home

Ph I/II (COMPOSER) results

Sustained low free C5 levels



Normalized LDH levels due to sustained hemolysis control

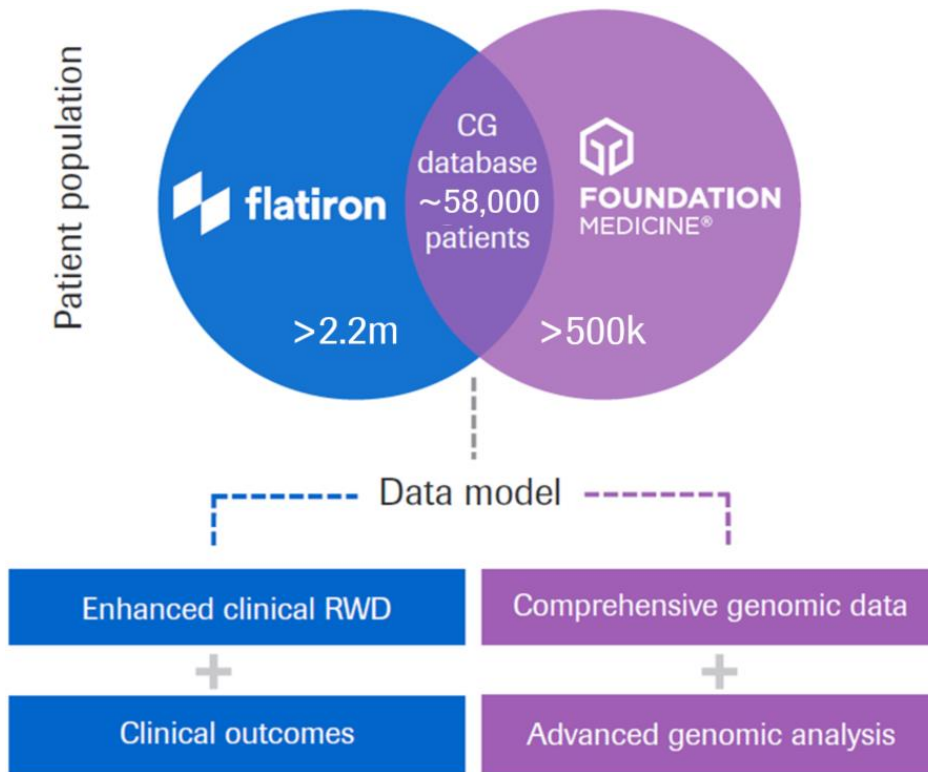


- Ph I/II (COMPOSER) results show complete complement inhibition and a well-tolerated safety profile in C5i-naive patients and eculizumab pre-treated patients¹
- Efficacy was maintained over long-term treatment (44 patients treated for a median of 71 weeks) and breakthrough hemolysis events were infrequent⁷
- Ph III switch and naive studies (COMMODORE 1/2) in PNH to start in 2020
- Development in additional complement-mediated diseases is being explored

1. Röth A et al. Blood 2020;135:912-20; 2. Fukuzawa T et al. Sci Rep 2017;7:1080; 3. Sampei Z et al. PLoS One 2018;13:e0209509; 4. Röth A, Nishimura J. Centro Congressi Federico II 2019; 5. Röth A et al. ASH 2018; 6. Sostelly A et al. ASH 2019; 7. Röth A et al. EHA 2019; 8. Peffault de la Tour, R. et al. EHA 2020

Clinico-Genomic Database

Combining RWD and genomics drives R&D



Database R&D applications:

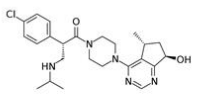
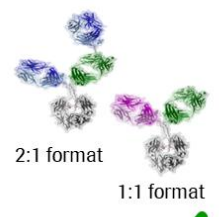
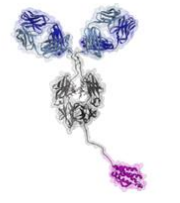


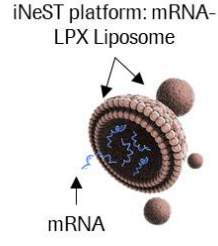
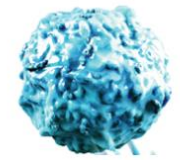
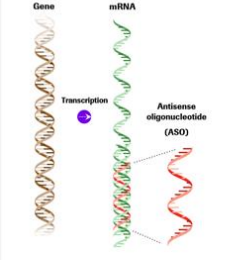

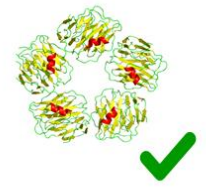
- Understanding genomics of rapidly progressive disease
- Natural history cohorts for defined populations (ALK, NTRK, EGFR, ROS-1, RET, KRAS, etc.), including patterns of metastatic spread
- Mechanisms of resistance
- Improved prognostic classifiers

Recent R&D examples:

- Analysis found cumulative **incidence of brain metastases in patients with a certain mutation** is significantly higher than in patients with wild-type allele or other mutations; decision to develop brain-penetrant molecule as part of the broader development strategy
- Analysis of CGDB used to decipher a **molecular mechanism for checkpoint inhibitor resistance** and ultimately helped address a fundamental question that can potentially benefit many cancer immunotherapy projects

Linking advanced tumor genetics with clinical outcomes drives scientific hypothesis generation

Our technology platforms keep expanding*

Small molecules	Bi-specifics	Fusion protein	mAb	Antibody drug conjugate	Personalized mRNA vaccine	Personalized T cells	RNA technologies	Gene therapy
 <p>✓</p>	 <p>2:1 format 1:1 format</p> <p>✓</p>		 <p>✓</p>	 <p>✓</p>	 <p>iNeST platform: mRNA-LPX Liposome</p> <p>mRNA</p>	 <p>Activated T cell with neoantigen specificity</p>	 <p>Gene mRNA Transcription Antisense oligonucleotide (ASO)</p>	 <p>AVV Adeno associated virus</p> <p>✓</p>
<ul style="list-style-type: none"> Gavreto Alecensa ipatasertib RG6114 RG6171 KRAS G12C <p>Target oncogenes, induce apoptosis, suppress tumor growth</p>	<ul style="list-style-type: none"> mosunetuzumab glofitamab cibisatamab Her2 x CD3 glypican-3 x CD3 FcRH5 x CD3 PD1 x TIM3 PD1 x LAG3 BCMA x CD16a <p>Engage and activate T cells to kill tumour cells</p>	<ul style="list-style-type: none"> FAP x IL2v PD1-IL2v CD19-4-1BBL FAP-4-1BBL MAGE-A4 ImmTAC IL15/IL15Ra-Fc <p>Amplify immune response</p>	<ul style="list-style-type: none"> tiragolumab CD25 mAb CD47 mAb selicrelumab codrituzumab <p>Amplify immune response</p>	<ul style="list-style-type: none"> Polivy Kadcyla <p>Targeted toxic payload</p>	<ul style="list-style-type: none"> iNeST <p>Patient's neo-antigens for anti-tumour immune response</p>	<ul style="list-style-type: none"> programmed T cells <p>Patient's neo-antigens for anti-tumour immune response</p>	<ul style="list-style-type: none"> tominersen UBE3A-LNA Factor B ASO HBV siRNA 	<ul style="list-style-type: none"> Luxturna SPK-8011 SPK-8016 SPK-7001 SRP-9001 4D-R110
<ul style="list-style-type: none"> Evrysdi fenebrutinib ralmitaront TLR7 agonist GABA Aa5 PAM PTH1R agonist 	<ul style="list-style-type: none"> Hemlibra faricimab FIXa x FX FGFR1 x KLB 	<ul style="list-style-type: none"> brain shuttle gantenerumab IL22-Fc IgG-IL2 	<ul style="list-style-type: none"> Enspryng crovalimab gantenerumab prasinezumab semorinemab TLR4 mAb ST2 mAb REGN-CoV2 	<ul style="list-style-type: none"> Anti-S.aureus TAC 			<p>Recombinant proteins</p>  <p>✓</p> <ul style="list-style-type: none"> Activase Pulmozyme rhPentraxin-2 	<p>□ = Oncology</p> <p>✓ = Products approved</p>

* List of pipeline and launched molecules shown is not complete; iNeST=Individualized Neoantigen-Specific Therapy

Doing now what patients need next