

## JP Morgan Healthcare Conference

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January 2021

# Cautionary statement regarding forward-looking statements



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A number of adjusted measures are used to report the performance of our business, which are non-IFRS measures. These measures are defined and reconciliations to the nearest IFRS measure are available in our third quarter 2020 earnings release and Annual Report on Form 20-F for FY 2019.

All expectations and targets regarding future performance and the dividend should be read together with "Assumptions related to 2020 guidance and 2016-2020 outlook" on page 63 of our third quarter 2020 earnings release.

## **Building 2 world leading companies**



#### **Innovation**

**Performance** 

**Trust** 

- Strengthening pipeline
- Drive operating performance
- Successful integration
- Prepare for 2 new companies

New GSK: a leading biopharma company with R&D focused on science of the immune system, genetics and advanced technologies

New leading Consumer
Healthcare company with
category leading power brands
and science and consumer
insights

### Significant progress on our priorities in 2020



Strengthened and advanced the pipeline

Competitive in-market execution

**Disciplined cost control** 

Good progress on integration & separation

Progressed pandemic solutions



# Building a sustainable pipeline of transformational vaccines and medicines



## Science

X

**Technology** 

X

Culture

60 vaccines and medicines in our pipeline with >20 late-stage assets and >10 with blockbuster potential

Significant progress in rebuilding Oncology, with a focus on immunology – both IO and cell therapy

Highlighting today: BLENREP, feladilimab, GSK'608 CD96

Best in class Infectious Disease portfolio in Vaccines and Pharma

Highlighting today: RSV OA vaccine, Cabenuva, cabotegravir LA PrEP, VIR-7831

Clear focus on life cycle innovation and building blockbusters to maximise value

Highlighting today: Nucala/GSK'294 IL-5 LA

Multiple important catalysts in 2021

### **Strong R&D pipeline**

### 18 vaccines and 42 medicines



| First time in human/POM (Ph                    | ase 1) |
|--|--------|
| 3858279* (CCL17 inhibitor) OA pain             |        |
| 3511294* (LA anti-IL5 antagonist) asthma       |        |
| 3745417 (STING agonist) cancer                 |        |
| 3439171* (hPGD2 synthase inhibitor) DMD        |        |
| 3186899* (CRK-12 inhibitor) visceral leishmani | asis   |
| 3810109* (broadly neutralizing antibody) HIV   |        |
| 3537142* (NYESO1 ImmTAC) cancer                |        |
| 3368715* (Type 1 PRMT inhibitor) cancer        |        |
| 2798745* (TRPV4 blocker) DME                   |        |
| 6097608* (CD96) cancer                         |        |
| 2982772 (RIP1-k) psoriasis                     |        |
| 3882347* (FimH antagonist) uUTI                |        |
| 3739937 (maturation inhibitor) HIV             |        |
| 3923868 (PI4kβ inhibitor) viral COPD exacerba  | ations |
| 3901961* (CD8 TCR) cancer                      |        |
| 3845097* (TGFbR2 TCR) cancer                   |        |
| 3494245* (proteasome inh) visceral leishmania  | sis    |
| 3915393 * (TG2 inhibitor) celiac disease       |        |
| 2556286* (Mtb inhibitor) TB                    |        |
| 3729098* (ethionamide repressor inhibitor) T   | В      |
| C. difficile*                                  |        |
| SAM (rabies model)                             |        |
| S. aureus*                                     |        |
| COVID-19 (Sanofi)* <sup>12</sup>               |        |
| COVID-19 (Clover Biopharmaceuticals)**         |        |

| <b>Proof of concept</b> (Phase 1b/2)            |
|---|
| 3640254 (maturation inhibitor) HIV              |
| 3228836* (HBV ASO) HBV                          |
| linerixibat (IBATi) cholestatic pruritus in PBC |
| 3326595* (PRMT5 inhibitor) cancer               |
| cobolimab* (TSR-022, TIM-3 antagonist) cancer   |
| 3036656* (leucyl t-RNA inhibitor) TB            |
| 2831781* (aLAG3 depleting) ulcerative colitis   |
| 4074386* (TSR-033, LAG3 antagonist) cancer      |
| Menveo liquid                                   |
| RSV paediatric                                  |
| RSV older adults*2                              |
| Therapeutic HBV*2                               |
| Malaria* (fractional dose)                      |
| Shigella*                                       |
|   |
|   |

| Pivotal (Phase 2/3 / Registration)                    |
|---|
| Benlysta <sup>3</sup> + Rituxan SLE**                 |
| cabotegravir LA + rilpivirine* LA HIV                 |
| cabotegravir LA HIV PrEP                              |
| daprodustat (HIF-PHI) anemia                          |
| Nucala COPD / nasal polyps                            |
| BLENREP* (BCMA ADC) multiple myeloma                  |
| Zejula* (PARP inhibitor) ovarian cancer**             |
| dostarlimab* (PD-1 antagonist) dMMR/MSI-H EC          |
| bintrafusp alfa* (TGFβ trap/anti-PDL1) BTC**          |
| otilimab* (3196165, aGM-CSF inhibitor) RA**4          |
| gepotidacin* (2140944) uUTI and GC                    |
| 3359609* (ICOS receptor agonist) HNSCC**1             |
| letetresgene-autoleucel* (3377794, NY-ESO-1 TCR) SS** |
| 4182136* (VIR-7831) COVID-19                          |
| Shingrix immuno-compromised*                          |
| Bexsero infants (US)                                  |
| MMR (US)  |
| Rotarix liquid (US)                                   |
| MenABCWY  |
| RSV maternal*   |
| COVID-19 (Medicago)* <sup>i</sup>                     |
|   |

Divotal (Phase 2/2 / Pogistration)

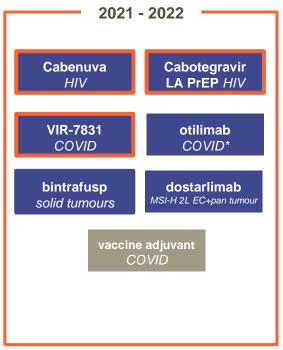
| Key:                     |
|--------------------------|
| Oncology                 |
| Immune/Other             |
| Infectious Diseases (Rx) |
| Infectious Diseases (Vx) |

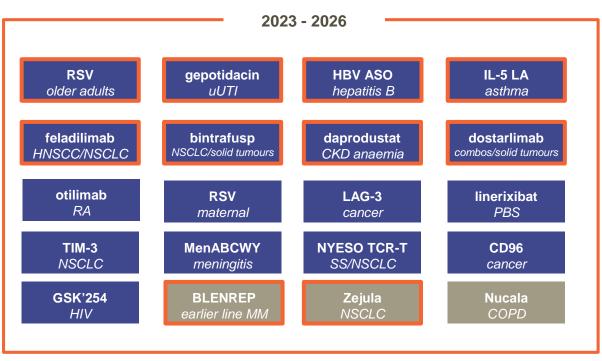
Note: only the most advanced indications are shown for each asset

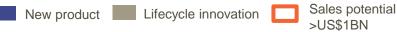
<sup>\*</sup>In-license or other alliance relationship with third party \*\*Additional indications also under investigation+GSK is contributing pandemic adjuvant to COVID-19 vaccines collaborations
1. ICOS HNSCC is a Phase 2/3 study with registrational potential 2. In Phase 1/2 study 3. Benlysta for lupus nephritis in registration 4. Otilimab for COVID-19 therapy in Ph2. POM: proof of
mechanism, RA: rheumatoid arthritis; OA: osteoarthritis; DMD: duchenne muscular dystrophy, PBC: primary biliary cholangitis; TB: tuberculosis; SLE: systemic lupus erythematosus; BTC:
biliary tract cancer; EC: endometrial cancer; uUTI: uncomplicated urinary tract infection; GC: gonorrhoea; HNSCC: head and neck squamous cell carcinoma; dMMR: deficient mismatch
repair; DME: diabetic macular edema, SS, synovial sarcoma; HBV, hepatitis B; COPD, chronic obstructive pulmonary disease; PrEP, pre-exposure prophylaxis

# High value late-stage pipeline; >10 potential blockbuster launches by 2026







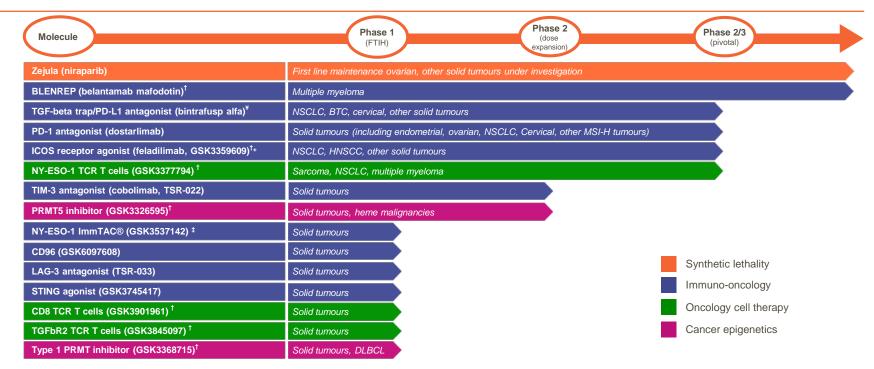


<sup>\*</sup>Otilimab COVID currently in Ph2

### Innovative oncology portfolio



15 oncology assets in development (12 in I-O & cell therapy)



<sup>†</sup> In-license or other partnership with third party; \* ICOS HNSCC Phase 2/3 study with registrational potential

<sup>&</sup>lt;sup>‡</sup> Option based alliance with Immunocore Ltd. ImmTAC is a registered trademark of Immunocore Ltd.

<sup>&</sup>lt;sup>¥</sup> Being developed in a strategic global alliance between GSK and Merck KGaA, Darmstadt, Germany

 $<sup>{}^{\</sup>wedge}$  Re-categorised from phase II to I following refinement of phase definitions

FTIH, first time in human; NSCLC, non small cell lung cancer; HNSCC, Head and neck squamous cell carcinoma; BTC, biliary tract cancer



# BLENREP: first-in-class BCMA targeted therapeutic for multiple myeloma





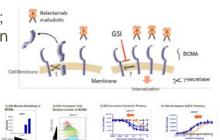
#### First BCMA targeted agent approved

- DREAMM-2 demonstrated clinically meaningful benefit in heavily pre-treated relapsed/refractory multiple myeloma
- Commercial launch underway in US and Germany; strong initial demand

#### Investigating synergistic novel combinations

 DREAMM-5 platform study with ≥3 novel combinations; preliminary GSI combination data expected 2021

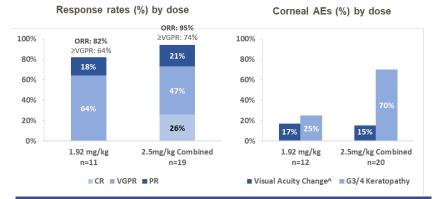
 DREAMM-4 combination with pembrolizumab; data in-house, presentation expected 1H21



#### **Development in earlier lines**

Studies ongoing to optimize dose for combinations with SoC and novel agents in earlier lines

Phase 1/2 ALGONQUIN study (Blenrep plus PomDex; ≥1 prior therapy RRMM) presented at ASH 2020:



## Pivotal 2L+ DREAMM 7 & 8 combination studies initiated 2020; results anticipated 2022-2023

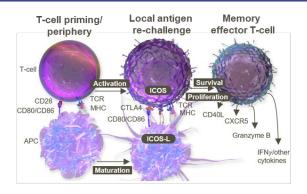
By IMWG uniform response criteria 2016; ORR, overall response rate; PR, partial response, VGPR, very good partial response, CR, complete response. Combined-2.5mg/kg include single, loading and split doses; Keratopathy by exam finding, ^visual acuity change 20/50 or worse in better seeing eye. Trudel, et al ASH 2020



# Feladilimab, ICOS receptor agonist: several near-term catalysts anticipated



# Novel I-O target, expected to modulate T-cell dynamics



APC, antigen-presenting cell; CXCR5, C-X-C motif chemokine receptor 5; ICOS-L, ICOS ligand, IFN-y, interferon gamma; MHC, major histocompatibility complex

- Activity observed in monotherapy and PD-1 combo
- Durable responses seen with pembro combo; median PFS of 4.2 months, median OS of 13.1 months<sup>3</sup>
- ORR of 24% (12% CR, 12% PR lasting ≥6 months)³

# Clinical development approach for feladilimab (GSK'609)

#### Initial development in 1L relapsed/metastatic HNSCC<sup>1</sup>

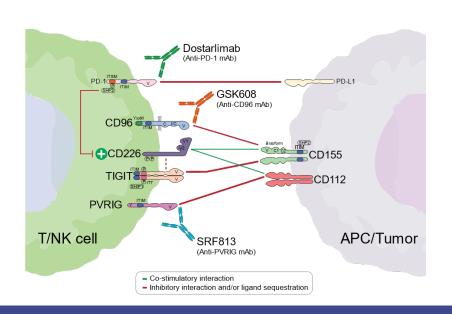
- >500k people diagnosed globally/year
- INDUCE-3: ongoing Ph2/3 (combo with pembrolizumab); interim analysis 1H 2021 to ungate Phase 3
- INDUCE-4: ongoing Phase 2/3 (combo with pembrolizumab and chemo); data readout 2024

#### Data in other solid tumors expected in 2021

- INDUCE-1: FTIH open label study; data in other solid tumors expected in 1H 2021
- ENTRÉE lung: in NSCLC<sup>2</sup> (combo with docetaxel) expected 1H 2021

# Innovative approach to the CD226 axis (anti-CD96, anti-PVRIG)





## CD226 axis plays an important role in cancer immune surveillance

- CD226 is a costimulatory receptor on T and NK cells that interacts with CD155 and CD112 on tumor cells
- TIGIT, CD96 and PVRIG are immune checkpoints expressed on various T and NK cell subsets
- TIGIT and CD96 bind to CD155, and PVRIG binds to CD112, to sequester them and prevent their activation of CD226
- mAbs to TIGIT, CD96 and PVRIG permit CD226 interactions with CD155 and CD112, and result in antitumor activity
- GSK'608 (anti-CD96): potential first-in-class mAb, Ph1 underway
- SRF813 (anti-PVRIG): potential best-in-class mAb, Ph1 start 2022

  Dostarlimab (anti-PD-1): potential for combinations

  Potential partner of choice for TIGIT combinations

### **World leader in Infectious Diseases**

# gsk

### 32 vaccines and medicines in development

| First time in human/POM (Phase 1                   | ) <b>P</b> |
|--|------------|
| 3186899* (CRK-12 inhibitor) visceral leishmaniasis | 36         |
| 3810109* (broadly neutralizing antibody) HIV       | 32         |
| 3882347* (FimH antagonist) uUTI                    | 30         |
| 3739937 (maturation inhibitor) HIV                 | Me         |
| 3494245* (proteasome inh) visceral leishmaniasis   | RS         |
| 2556286* (Mtb inhibitor) TB                        | RS         |
| 3729098* (ethionamide repressor inhibitor) TB      | Th         |
| C. difficile*                                      | Ma         |
| SAM (rabies model)                                 | Sh         |
| S. aureus*   |            |
| COVID-19 (Sanofi)*12                               |            |
| COVID-19 (Clover Biopharmaceuticals)* <sup>1</sup> |            |
| Vaccine  |            |
| Medicine   |            |
|  |            |

| Proof of concept (Phase 1b/2)        |
|--------------------------------------|
| 3640254 (maturation inhibitor) HIV   |
| 3228836* (HBV ASO) HBV               |
| 3036656* (leucyl t-RNA inhibitor) TB |
| Menveo liquid                        |
| RSV paediatric                       |
| RSV older adults*2                   |
| Therapeutic HBV*2                    |
| Malaria* (fractional dose)           |
| Shigella*                            |
|                                      |

| Pivotai (Pr       | nase 2/3 /Registration)   |
|-------------------|---------------------------|
| cabotegravir LA   | + rilpivirine* LA HIV     |
| cabotegravir LA   | HIV PrEP                  |
| gepotidacin* (21  | <b>40944)</b> uUTI and GC |
| 4182136* (VIR-78  | <b>331)</b> COVID-19      |
| Shingrix immuno   | o-compromised*            |
| Bexsero infants   | (US)                      |
| MMR (US)          |                           |
| Rotarix liquid (U | S)                        |
| MenABCWY          |                           |
| RSV maternal*     |                           |
|                   | ago)* <sup>i</sup>        |

Directal (Dhana 0/0 /Danistration)

| Marketed                          |
|-----------------------------------|
| Rukobia                           |
| Dovato                            |
| Juluca                            |
| Tivicay                           |
| Triumeq                           |
| Epzicom / Kivexa                  |
| Selzentry                         |
| Zinnat                            |
| Zeffix                            |
| Viread                            |
| Augmentin                         |
| Shingrix                          |
| Bexsero                           |
| Menveo                            |
| Fluarix                           |
| Priorix / Priorix Tetra / Varilix |
| Infanrix / Pediarix / Boostrix    |
| Synflorix                         |
| Hepatitis vaccines                |
| Rotarix                           |
| Cervarix                          |
|                                   |

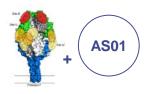


# RSV older adults: major opportunity with high unmet need



# Significant opportunity; first-in-class potential

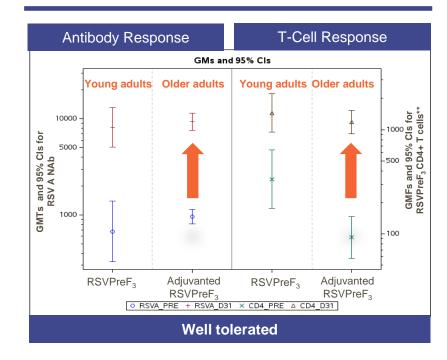
- Features pre-fusion antigen combined with AS01 adjuvant
- Proven adjuvant to stimulate greater immune response in older adult population



- Substantial US disease burden<sup>1</sup> with 177k hospitalisations and 14k deaths per year in 65+ age group
- 70m adults age 60+ in US<sup>2</sup>; >300m developed regions<sup>3</sup>
- ~2/3 of older US adults receive flu or pneumococcal vaccines<sup>4</sup>

#### Ph3 to start Q1 2021; initial data expected H2 2022\*

## Phase 2: compelling antibody response and T cell restoration





# Cabenuva and CAB PrEP: meeting important patient needs in HIV treatment and prevention



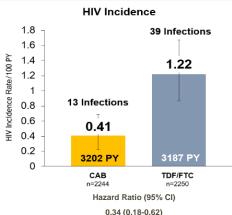


# Cabenuva\*: unique long-acting regimen

- Differentiated approach: first and only once-monthly\* complete LA HIV regimen; non inferior efficacy and comparable safety to daily oral regimens
- Critical Need: More than half of all PLHIV state that oral daily pills are a reminder of their HIV status and have hidden or disguised their medicine due to stigma
- Strong patient preference: >97% of patients in pivotal ATLAS and FLAIR studies preferred LA regimen vs daily oral therapy
- Commercially ready: sales force ready to launch and support HCPs in successful Cabebuva adoption

# Cabotegravir long-acting: superior to oral daily PrEP

- Superior efficacy: Cabotegravir LA IM every 2 months:
  - 66% more effective than oral daily FTC/TDF in MSM\* and transgender women
  - 89% more effective than oral daily FTC/TDF in in women
- Patient preference: Reduces stigma and adherence issues of daily dosing
- \$2bn market:
   >200k US PrEP patients today, but up to
   1.2m could benefit

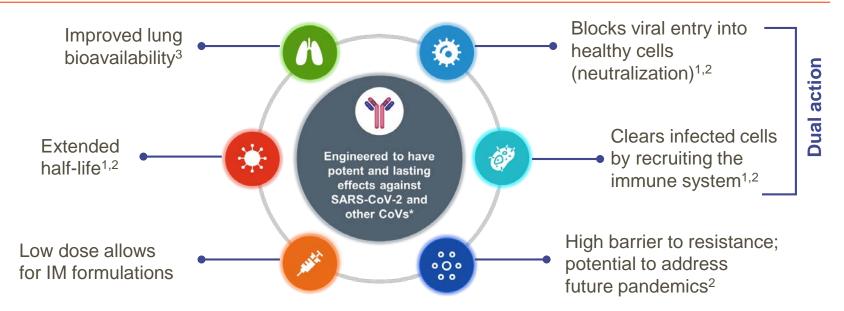


**US approval expected 1Q 2021** 

**US submission expected mid 2021** 

### VIR-7831: potential best-in-class COVID-19 antibody





#### **Broad clinical development programme:**

COMET-ICE Ph3 study ongoing in patients at high risk of hospitalisation; data expected 1Q21 ACTIV-3 Ph3 study initiated December 2020 in hospitalised patients with COVID-19 Further studies planned to explore full potential

## **Extending IL-5 leadership through Nucala LCI and next** generation long-acting antibody





### Nucala Leadership in IL-5

- Category-leading monthly IL5: sales annualising at >f1bn\*
- Significant opportunity: only 27% of US patients with SEA1 receive a biologic
- Maintaining leadership through LCI:
  - Paediatric patients
  - Auto-injector for at home use
  - 1st biologic approved for EGPA<sup>2</sup> and HES<sup>3</sup>
  - Positive Phase 3 data in NP4
  - Phase 3 study in COPD ongoing

expertise target -5

everaging



#### GSK3511294: next generation **IL-5** biologic

- **Extending leadership:** potential to be first extended-release biologic for SEA
- Attractive clinical profile: engineered for high affinity and long-lasting suppression of IL-5, underscored by positive Phase 1 data
- Patient convenience: single sc injection once every 6 months
- High probability of success: based on validated MoA and data in-hand

Pivotal Phase 3 to start 1Q 2021; results expected 2024

<sup>\*</sup> Based on 3Q 2020 sales of £251m, 1. Severe Eosinophilic Asthma 2. Eosinophilic granulomatosis with polyangiitis 3. Hypereosinophilic syndrome 4. Nasal Polyps; LCI, life cycle innovation; MoA, mechanism of action

## BD has been key to augmenting our pipeline and providing access to differentiating technologies



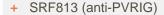
#### Strengthening the pipeline in key areas of focus – immunology and genetics



- Zejula (PARP inhibitor)
- dostarlimab (PD-1 antagonist)
- TSR-022 (TIM-3), TSR-033 (LAG-3)



bintrafusp alfa (TGFβ trap/anti-PDL1)





3 pre-clinical synthetic lethal programs MAT2A, Pol Theta and Werner Helicase



- anti-CD96 (GSK'608)
- ~30 ongoing pre-clinical programmes



VIR 7831/7832 (GSK'136, SARS-CoV2)



Up to 5 mRNA-based vaccines and mAbs



Immune disorders of the digestive system



Inhibitors of genetically validated target for neurological disease

#### Best-in-class functional genomics to help identify better targets



Formed Laboratory for Genomics Research 3 projects initiated on genetics of disease in oncology (2) and neurodegeneration (1)



5-yr research collaboration in genetics and genomics



Synthetic viability target discovery collaboration

#### Enhancing our cell therapy capabilities



Optimising our T cell programmes (NY-ESO)



Identifying next-generation T cell receptor therapeutics with a focus on solid tumours

17 BD. business development

### Multiple important catalysts in 2021



## **Anticipated submissions and approvals**

Cabenuva (US) in HIV

cabotegravir LA PrEP in HIV

Nucala in NP (HES and EGPA in EU)

dostarlimab in 2L EC

COVID-19: otilimab, VIR-7831, vaccines

## Pivotal data

VIR-7831 in COVID-19 (COMET-ICE) daprodustat in renal anaemia

dostarlimab combo 2L EC (RUBY)

bintrafusp alfa in BTC

**COVID-19 vaccines** 

## Pivotal study starts

GSK'294 IL-5 LA in asthma
RSV vaccine in Older Adults
linerixibat for cholestatic pruritis with PBC

## Proof of concept\*

otilimab in COVID-19 (OSCAR)

feladilimab in NSCLC (ENTRÉE)

**NY-ESO** in NSCLC

cobolimab in NSCLC

LAG-3 in ulcerative colitis\*

**BLENREP** plus GSI in MM\*\*

S. Aureus vaccine\*

# Building a sustainable pipeline of transformational vaccines and medicines



## Science

X

**Technology** 

X

Culture

60 vaccines and medicines in our pipeline with >20 late-stage assets and >10 with blockbuster potential

Significant progress in rebuilding Oncology, with a focus on immunology – both IO and cell therapy

Highlighting today: BLENREP, feladilimab, GSK'608 CD96

Best in class Infectious Disease portfolio in Vaccines and Pharma

Highlighting today: RSV OA vaccine, Cabenuva, cabotegravir LA PrEP, VIR-7831

Clear focus on life cycle innovation and building blockbusters to maximise value

Highlighting today: Nucala/GSK'294 IL-5 LA

Multiple important catalysts in 2021



## Q&A