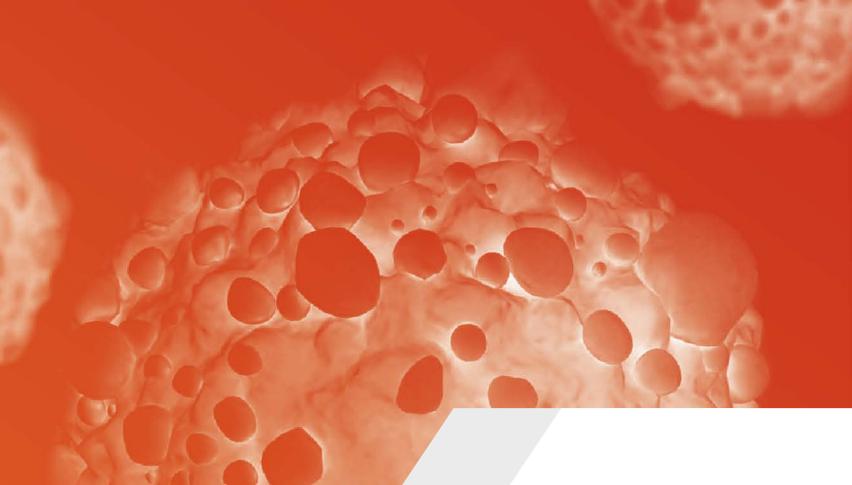
BerGenBio ASA (OSE: BGBIO) Results Fourth Quarter & FY 2018

12th February 2018 Richard Godfrey, CEO Rune Skeie, CFO





Disclaimer

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Introduction & recent highlights





BGBIO – Investment Highlights



AXL inhibitors – potential cornerstone of cancer therapy

Leaders in developing selective AXL inhibitors

Bemcentinib (Ph2), AXL-antibody BGB149 (Ph1), AXL ADC ADCT-601 (Ph1)

AXL is a novel oncology target to overcome immune evasion, therapy resistance & spread

Pipeline opportunities in multiple cancers and fibrosis



Ph2 data in AML & NSCLC with selective AXL inhibitor bemcentinib

Monotherapy and combinations with immune-, targeted and chemotherapies

Biomarker correlation across programme, parallel CDx development

AXL positive patients:

43% ORR in R/R AML/MDS (monotherapy)
40% ORR in 2L NSCLC (KEYTRUDA combo)

Late stage clinical trials to start H2'19



Resourced to deliver significant milestones

Clinical trial collaborations with Merck and leading academic centres

AXL antibody out licensed to ADC Therapeutics SA

38 staff at two locations: HQ & R&D in Bergen, Norway; Clinical Development in Oxford, UK

Cash NOK360m



Agenda

- 1. Introduction and recent highlights
- 2. Bemcentinib: First-in-class highly selective AXL inhibitor in Phase II
- 3. Clinical Development Opportunities
- 4. BGB149 Anti AXL monoclonal antibody in Phase I
- 5. Finance
- 6. Outlook



Q4 2018 Highlights

Bemcentinib monotherapy & combo in AML/MDS (BGBC003):

PoC monotherapy data reported at ASH, combination studies ongoing

Bemcentinib + KEYTRUDA® in NSCLC (BGBC008):

Selected as late-breaking abstract for SITC – PoC phase II data (stage 1)

Bemcentinib biomarker programme:

Selected for poster discussion at ESMO

Strengthened clinical development team

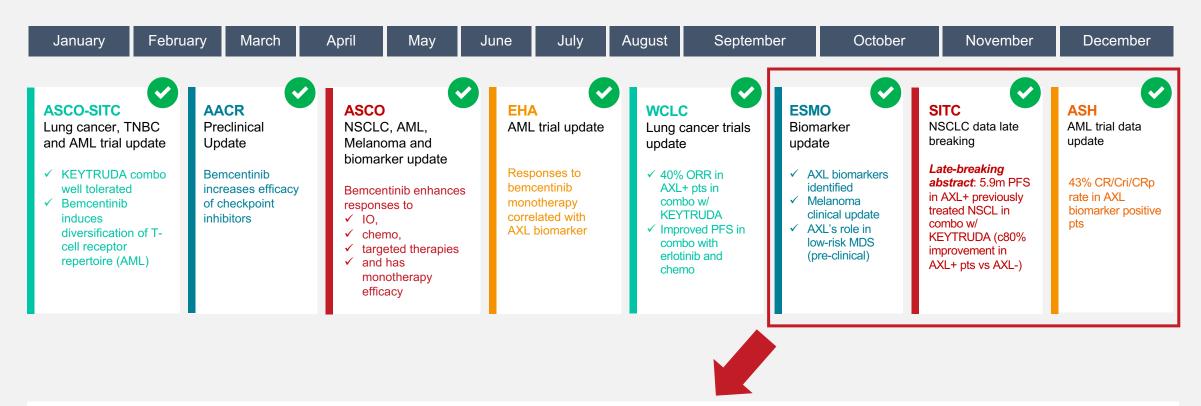
Post-period updates:

BGB149 (AXL antibody) and ADCT-601 (partnered AXL ADC): start phase I trial





Increasing profile and recognition of bemcentinib at international clinical congresses in 2018



Key data presented in Q4 supports future strategy for late-stage clinical development of bemcentinib in AML/MDS and NSCLC

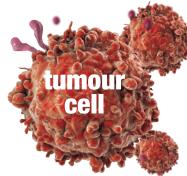


AACR: American Association for Cancer Research, Chicago

AXL drives aggressive cancer



AXL receptor tyrosine kinase drives aggressive disease including therapy resistant, immune-evasive tumours

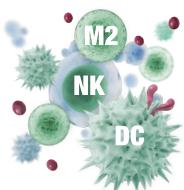


Drives tumour cell plasticity: non-genetic resistance mechanism

AXL drives features of aggressive cancer:

- Acquired therapy resistance
- Immune escape
- Metastasis





AXL is an innate immune checkpoint:

- M1 to M2 macrophage polarisation
- Decreased antigen presentation by DCs
- Immunosuppressive cytokine profile

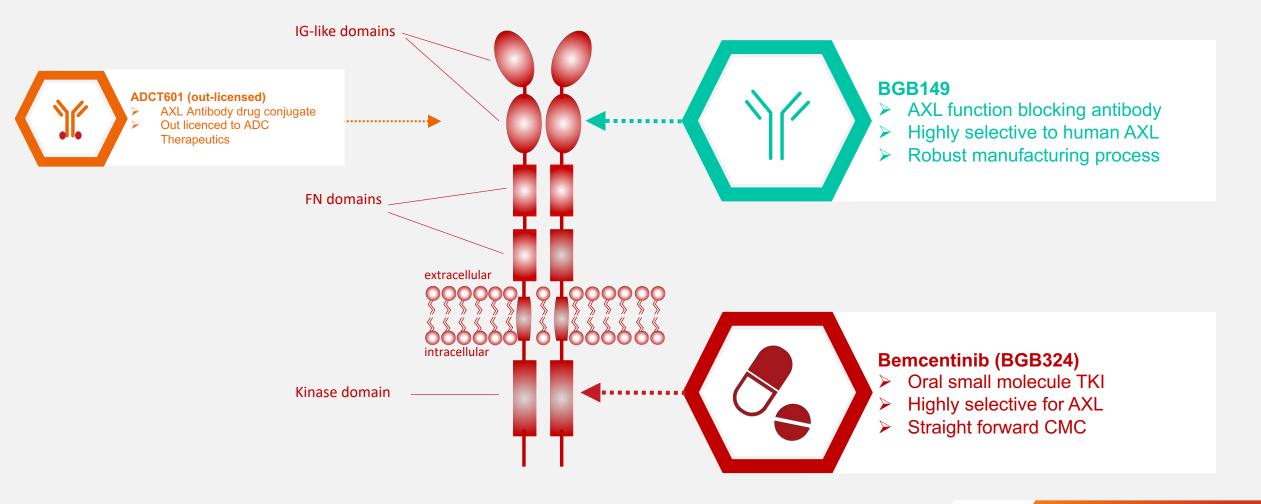
very **low** expression under healthy **physiological conditions** (ko mouse phenotypically normal)

overexpressed in response to hypoxia, immune reaction, cellular stress / therapy

overexpression correlates with worse prognosis in most cancers



Three AXL-targeting drug candidates in clinical development



Clinical development programmes of AXL inhibitors

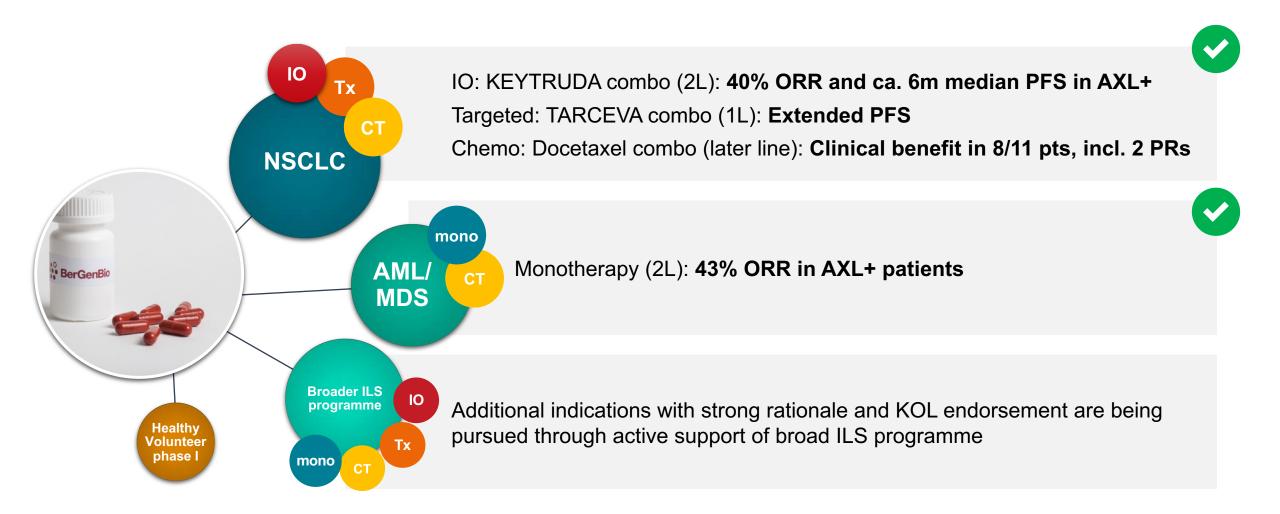
> 350 patients at 50 sites across Europe and USA

	Preclinical	Phase I	Phase II	Phase III	Status
Selective AXL kinase inhibitors					
Bemcentinib: selective oral small molecule AXL inhibit	or				
NSCLC + KEYTRUDA (2L, IO naïve)	previously treated ad	vanced adenocarcinoma	Stage 1 complete, 40% ORR in AXL+; stage 2 ongoing		
NSCLC + TARCEVA (1L & 2L)	advanced NSCLC wi	th activating mutation of E	Fully recruited, 1 st efficacy endpoint met		
NSCLC + docetaxel (later line) (2)	previously treated ad	vanced NSCLC	ILS, ongoing – latest update WCLC 2018		
AML single agent + low dose chemo (1L & 2L)	AML or previously tre	eated MDS unfit for intensi	Mono: 43% ORR in AXL+ R/R AML/MDS; decitabine combo completed recruitment		
ILS programme in additional oncology indication	Melanoma, mesothel	ioma, pancreatic, glioblas	Portfolio of ILS, ongoing & in set-up		
Fibrosis – preclinical	IPF, NASH		Pre-clinical work published throughout 2018		
BGB149: anti-AXL mAb					
Healthy volunteers – phase 1a dose escalation	Healthy volunteer SA	AD .			
BGB601: AXL ADC outlicensed					
Metastatic cancers	First-in-man solid tun	nours Out-license	d to ADC		
Companion Diagnostics Pipeline	Biomarker Discover	y Biomarl	cer Verification	Validation	
Tissue AXL Soluble AXL Additional soluble markers	Correlation with ber targeted and immur	nefit from monotherapy, co notherapy	mbo with		Correlation with efficacy reported





Summary of Phase II PoC data with bemcentinib (Focus on NSCLC & leukaemia)



Bemcentinib PoC data summary: Monotherapy and combinations

Associate Professor Dr David Gerber, UTSW Dallas, TC, lead Pl BGBIL005









Highly selective, orally bioavailable small molecule, administered once a day, in phase II clinical trials

Blocks AXL signalling, reverses aggressive tumour traits & counteracts immune escape

Clinical PoC in AML and NSCLC as a monotherapy and in combination

Correlation of clinical efficacy with AXL biomarkers observed

Excellent clinical safety profile

Randomised, late stage clinical trials planned to start in H2 2019



Ref. BGBC003 / NCT02488408

Acute Myeloid Leukaemia (AML) & Myelodysplastic Syndrome (MDS)

Bemcentinib is being evaluated as a monotherapy and in combination with standard of care to treat AML and high-risk MDS

- **⊘** 43% ORR in AXL +ve R/R AML and MDS patients
- chemo combos in 1L ongoing





MDS & AML: Disease characteristics

New strategies to treat older & relapsed/ refractory patients is an urgent, unmet need

Myelodysplastic syndromes (MDS)

(pre-leukaemia or smoldering leukaemia)

Occurs when the blood-forming cells in the bone marrow (the soft inner part of certain bones, where new blood cells are made), become abnormal. This leads to low numbers of one or more types of blood cells.

~ 40,000 new cases per year (U.S. only)³

Most diagnoses made in **70s or 80s**¹

Acute Myeloid Leukaemia (AML)

Cancer of the myeloid line of blood cells, characterized by rapid growth of abnormal cells that build up in the bone marrow and blood and interfere with normal blood cells

~ 20,000 new cases

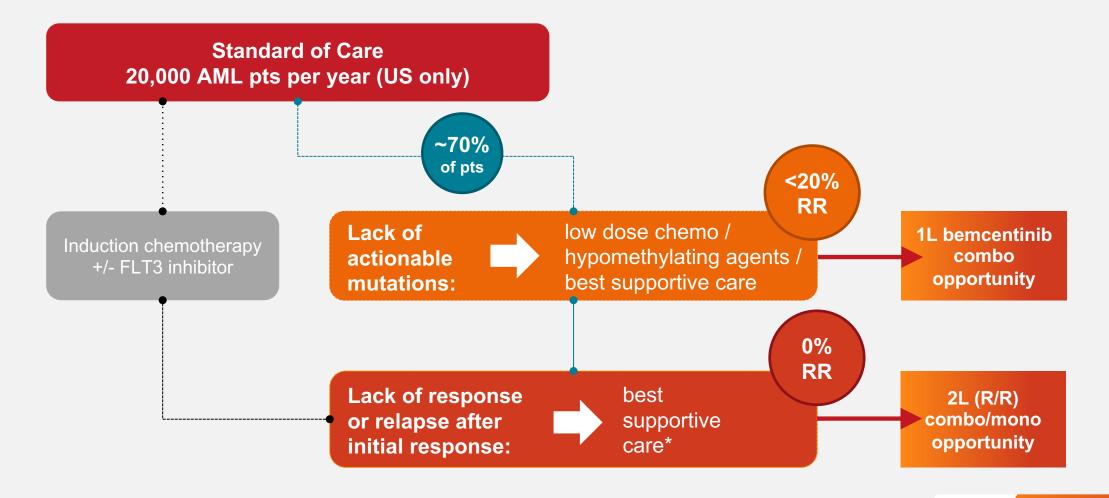
diagnosed and >10,000 deaths (2018, U.S.)²

Most common type of acute leukaemia in adults¹

MDS 40% risk of developing into AML.⁴



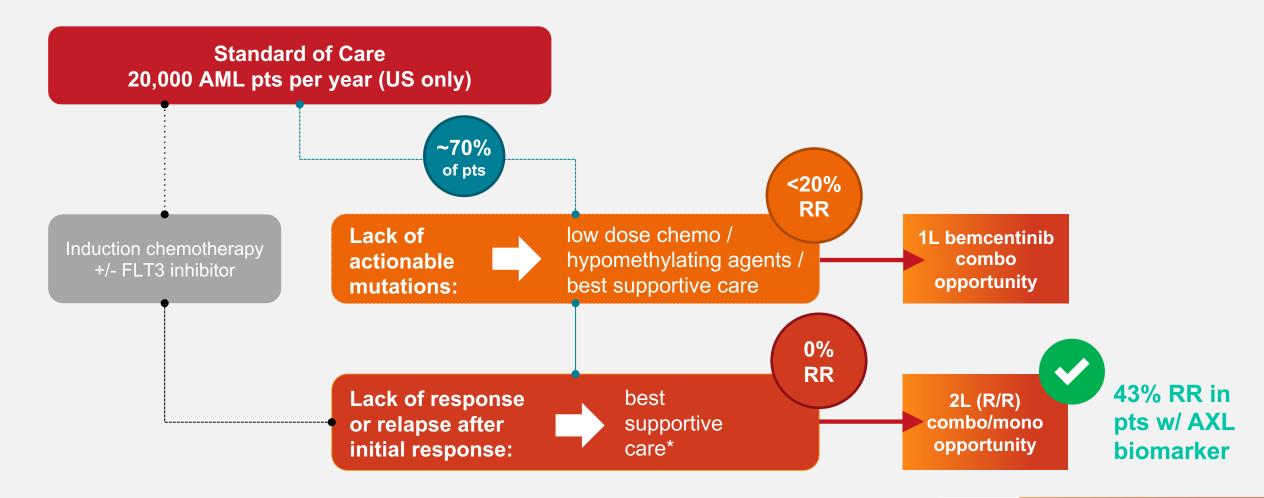
AML & MDS – difficult to treat malignancies, predominantly elderly frail patient population.







AML & MDS – difficult to treat malignancies, predominantly elderly frail patient population.







Phase II trial in AML/high risk MDS: monotherapy and combination with LDCT*



Monotherapy (completed)

R/R AML & MDS N = 36 pts **Combinations**

Decitabine combo 1L AML, N = 14 pts

Cytarabine combo
1L AML, N = 14 pts

Endpoints

Primary safety / ORR Secondary RFS OS

biomarkers





Summary results slide and next steps

Status Jan '19

Summary results

- Monotherapy cohort complete
- 43% ORR in AXL positive patients
- Excellent safety
- Evidence of immune activation

Next steps

- Chemo combinations ongoing
 - > Top line data Q1'19
- Comprehensive analysis anticipated at ASCO/EHA '19

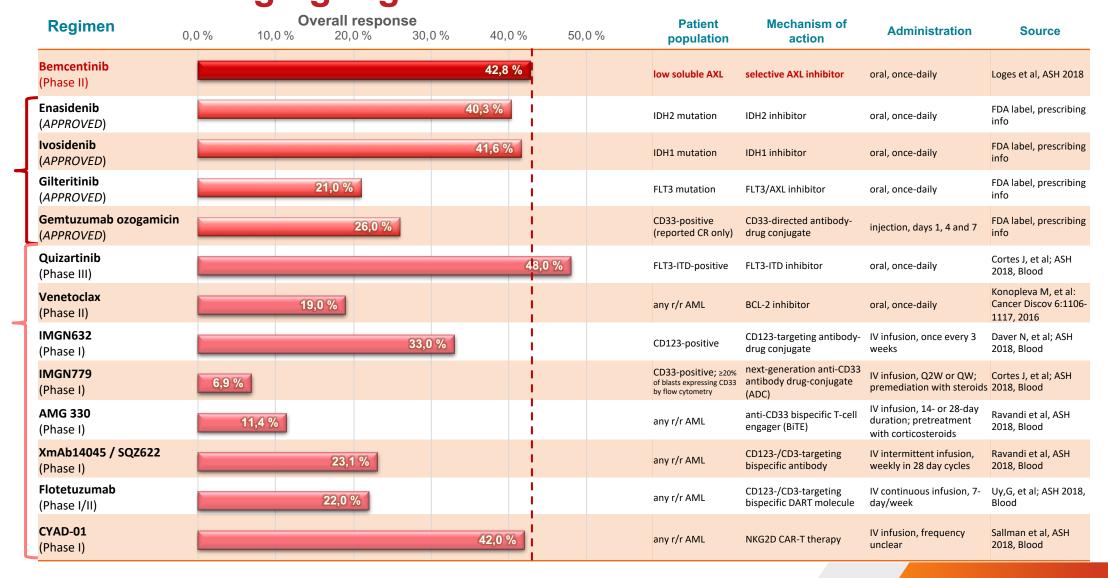


Monotherapy shows promising efficacy in comparison to approved & emerging regimens



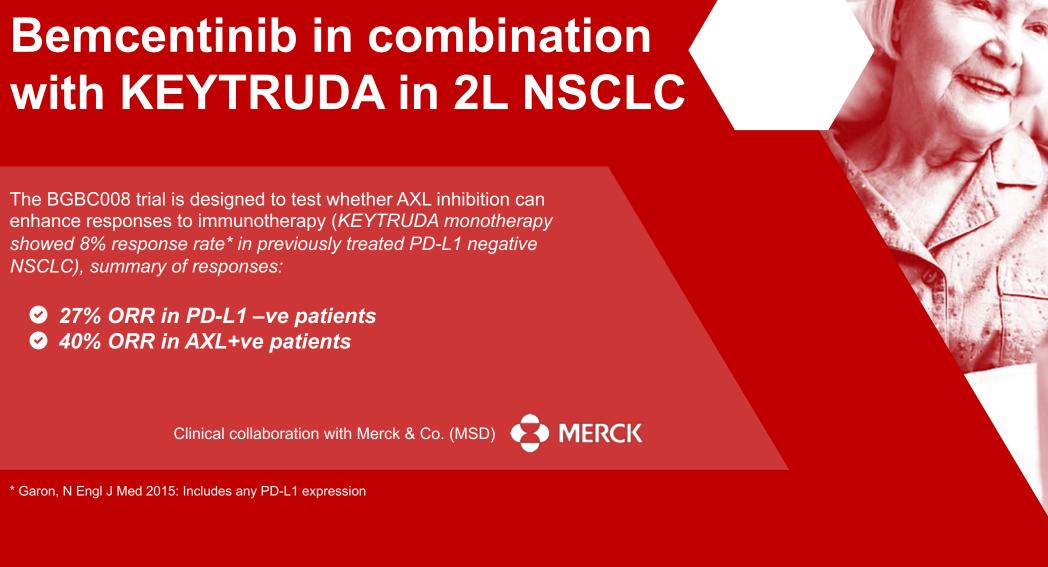
Approved, limited pt populations only

Emerging therapies in R/R AML presented at ASH



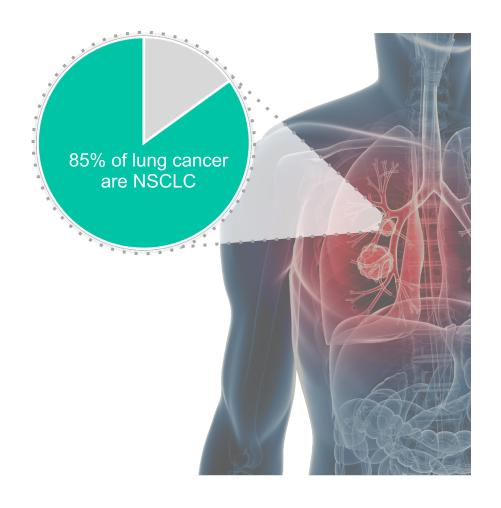


Ref. BGBC008 / NCT03184571





NSCLC causes more cancer related deaths than breast, colon, pancreas and prostate combined

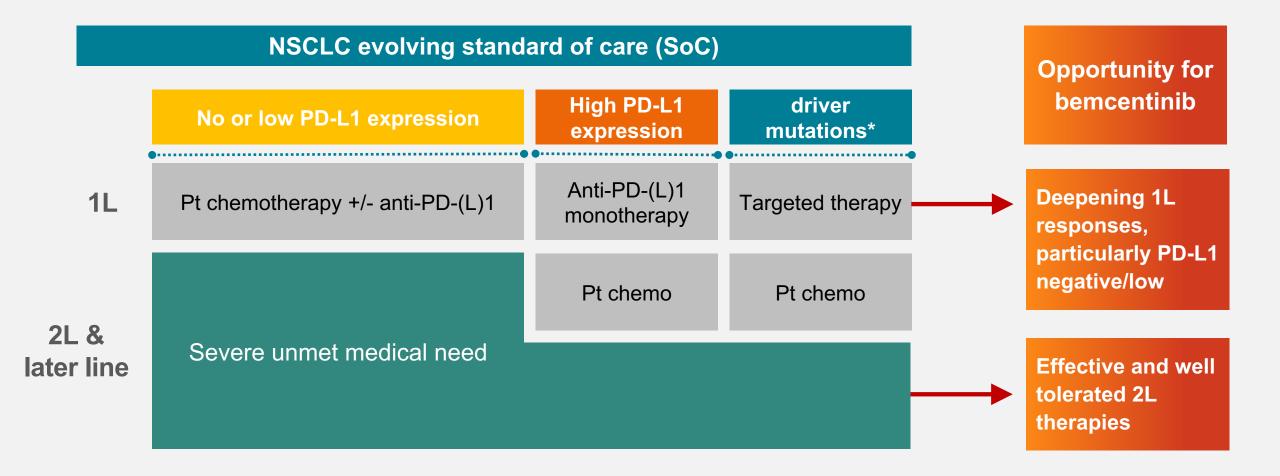


The largest cancer killer, most patients depend on drug therapy

- 2.09 million new cases of lung cancer diagnosed/yr worldwide, making up 11.6% of all cancer cases¹
- 1.76 million lung cancer deaths/yr worldwide¹
- In the U.S, 5-year survival rate is approximately 18.6%, and **4.7%** in patients with distant metastases²

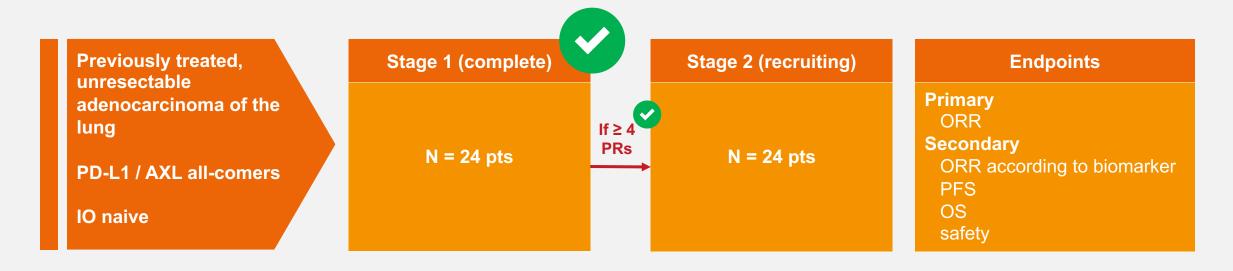
Non-small cell lung cancer is the most common type of lung cancer, making up 80-85% of lung cancers

Rapidly emerging SoC creates opportunities for novel effective, chemo free regimens





Phase II 2L NSCLC study of bemcentinib with KEYTRUDA



Key objectives

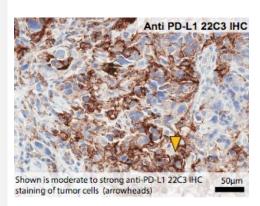
- Evaluate safety of the combination and response to treatment with the combination
- Characterise patients by PD-L1 and AXL status
- Evaluate efficacy of patients by biomarker status, and assess predictive qualities of biomarkers
- Assess survival measures in patients by biomarker status

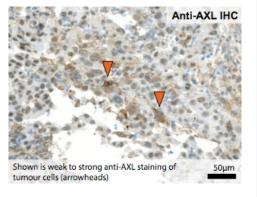


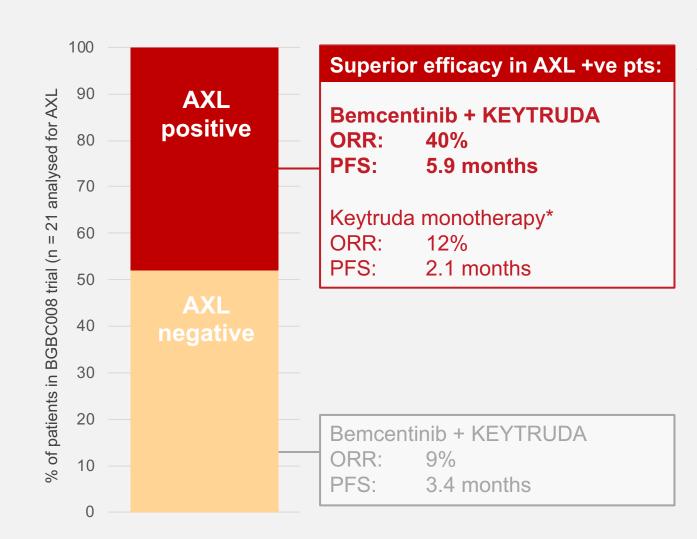
Response per biomarker expression

Analysis of biomarker expression in the BGBC008 trial revealed:

- ✓ Appr. half of patients were AXL positive (10 out of 21 analysed for AXL)
- ✓ The vast majority of patients did not express high levels of PD-L1, the biomarker for KEYTRUDA monotherapy efficacy



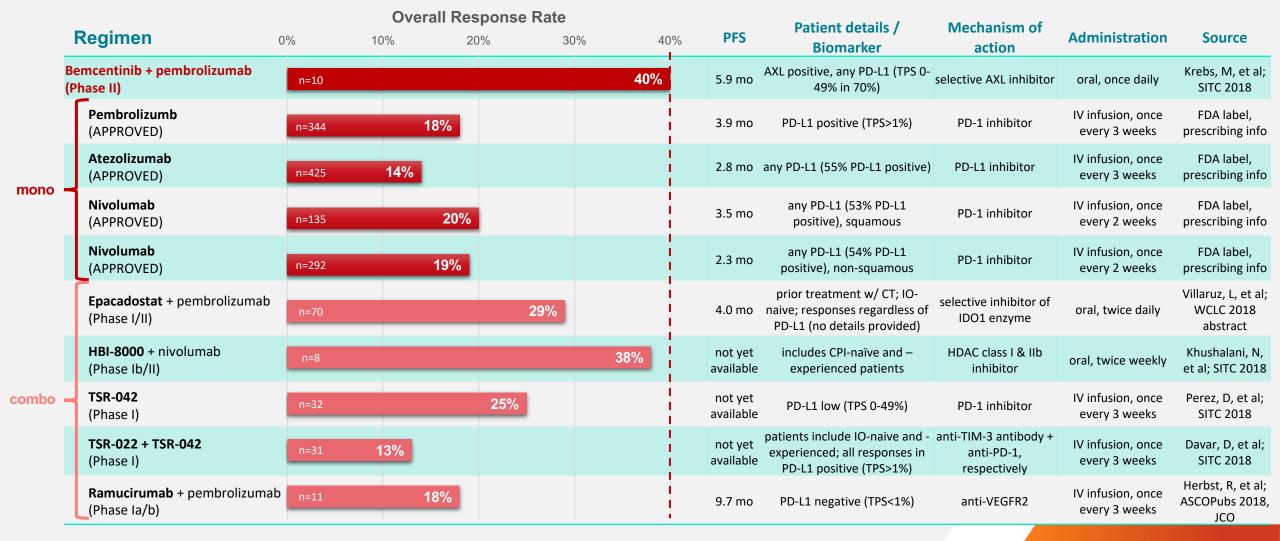




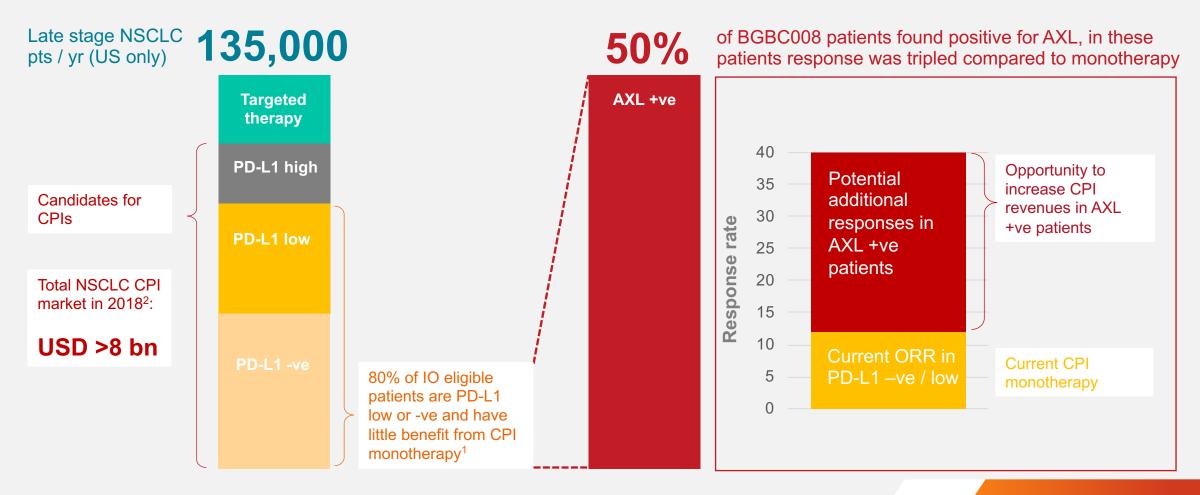


SITC 2018

Promising efficacy in comparison to approved monotherapy and emerging combinations*



The majority of NSCLC patients are eligible for CPIs, but only few respond: novel combination agents will drive CPI differentiation & multi-billion market opportunity





Summary results and next steps

Status Jan '19

Summary results

- 1st efficacy endpoint met
- 40% ORR and 6m PFS in AXL positive patients
- 27% ORR in PD-L1 -ve patients

Next steps

- Second stage ongoing
- H1 '19
 - > Top line OS for stage 1
 - Preliminary ORR per biomarker stage 2
- H2 '19
 - Final efficacy & biomarkers stage 1 + 2
 - > PFS

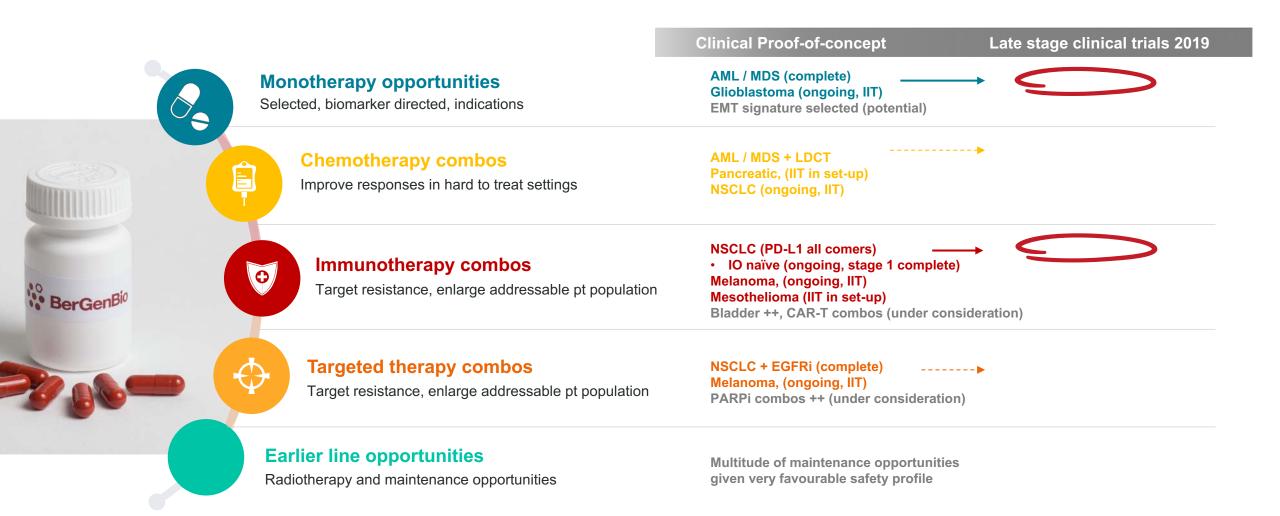


Clinical development opportunities for bemcentinib

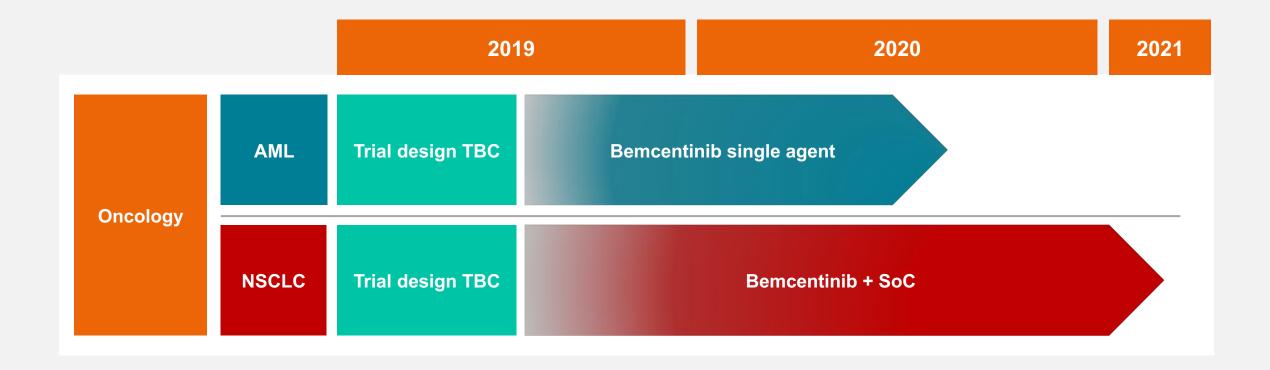




Clinical Development opportunities for bemcentinib

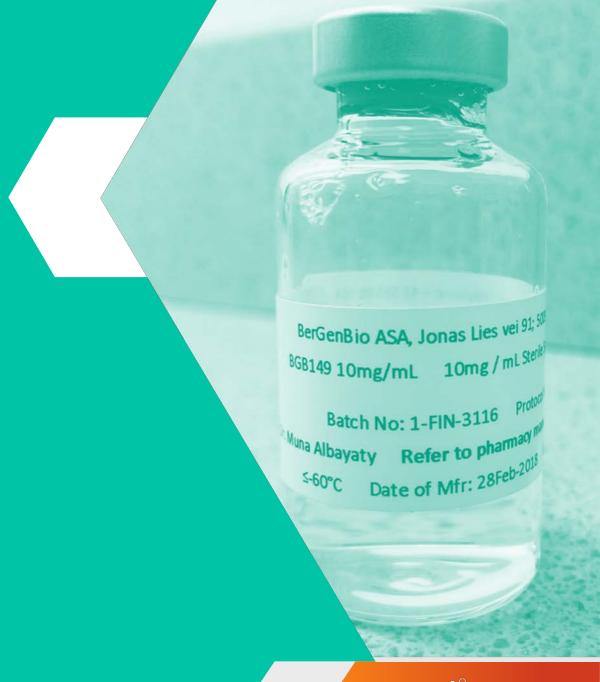


Data generated provides strong rationale for late stage clinical trials to start in 2019*





BGB149 – a monoclonal anti-AXL antibody





BGB149: Anti-AXL monoclonal antibodyPhase I clinical trial initiated January 2019

Functionally blocking humanised monoclonal antibody

Binds human AXL, blocks AXL signalling

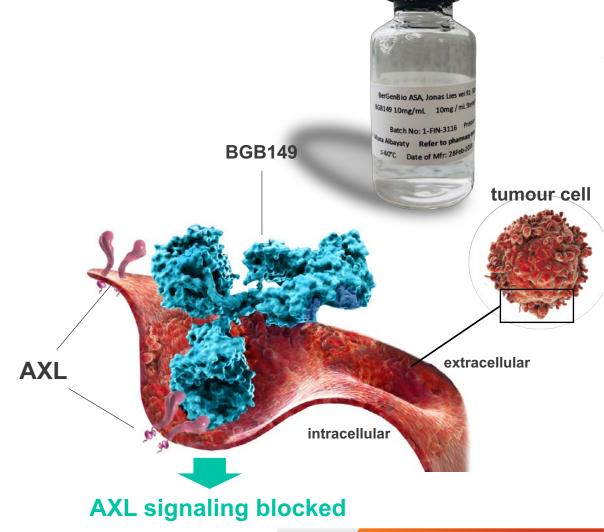
High affinity (KD: 500pM), Anti-tumour efficacy demonstrated in vivo

Robust manufacturing process established, 18 months stability

First-in-human healthy volunteer Phase I study initiated

- Up to 36 subjects
- Safety, PK/PD

First-in-patient trial expected in H2 2019

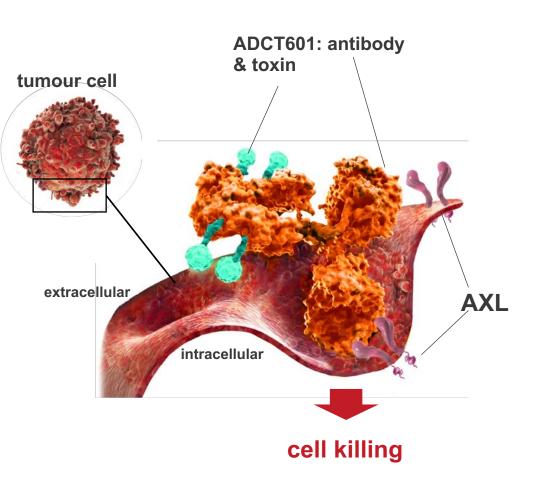


ADCT-601 – AXL ADC





BGB601/ADCT-601: Anti-AXL ADC Phase 1 in solid tumours started January 2019



Antibody Drug Conjugate (ADC)

Targets human tumour AXL, induces cell death when internalised

Potent and specific anti-tumour activity demonstrated preclinically¹

First-in-human Phase I study initiated in Jan 2019

- Solid tumours
- Up to 75 patients
- Safety, PK/PD, preliminary efficacy

Based on anti-AXL antibody BGB601 licensed from BerGenBio



Near term goals and news flow

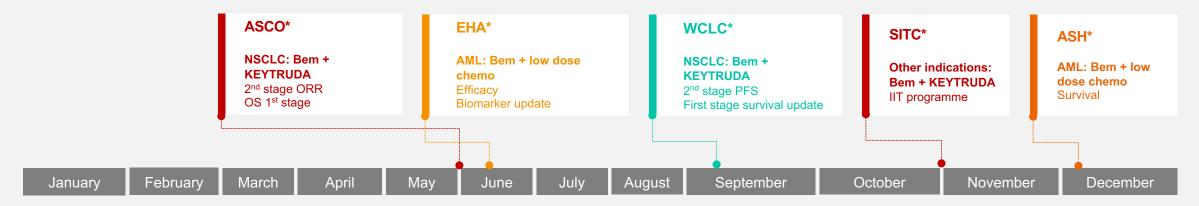








Anticipated clinical data readouts and operational milestones for 2019



^{*} expected

വ

- > 1L/2L AML chemo combo top line data
- Complete recruitment stage 2 bem + KEYTRUDA (NSCLC)

Q2/Q3

- > Initiate randomised programme
- ➤ Complete Phase 1 BGB149

Q4

➤ Initiate first-in-patient trials BGB149



AACR: American Association for Cancer Research, Chicago

Upcoming company news flow and value creating catalysts

Strategic priority		Goals	
Late stage clinical trials with bemcentinib	H2 2018 H2 2018 H1 2019 H2 2019 H2 2020	Clinical PoC monotherapy AML Clinical PoC combo in NSCLC Clinical PoC combo in AML Start late stage clinical programme Interim read-out late stage clinical programme	√ √
Develop Companion Diagnostics	H2 2018 H2 2020 H2 2021	Identify candidates that correlate with efficacy Validate candidates in late stage clinical programme Clinical assay developed	√
BGB149 anti-AXL antibody programme	H2 2018 H2 2019 H2 2020	Initiate first-in-man phase I trial Initiate first-in-patient phase Ib trial Interim readout	√
Maximise value for bemcentinib	H1 2019	Initiate pipeline opportunities for bemcentinib via ISTs	√

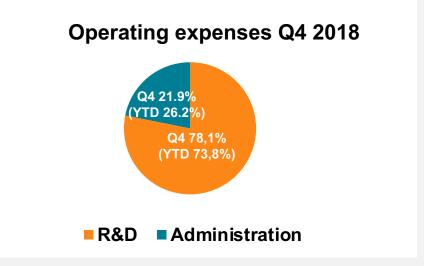
Financial review: Good financial position and cost control

Rune Skeie CFO



Key financial figures

(NOK million)	Q4 2018	Q4 2017	FY 2018	FY 2017
Operating revenues	2.3	0	2.3	0
Operating expenses	53.2	47.5	196.9	183.7
Operating profit (loss)	-50.9	-47.5	-194.5	-183.7
Profit (loss) after tax	-51.1	-47.6	-191.7	-182.2
Basic and diluted earnings				
(loss) per share (NOK)	-0.93	-0.96	-3.60	-4.01
Net cash flow in the period	-37.8	-28.8	-9.9	208.5
Cash position end of period	360.4	370.3	360.4	370.3



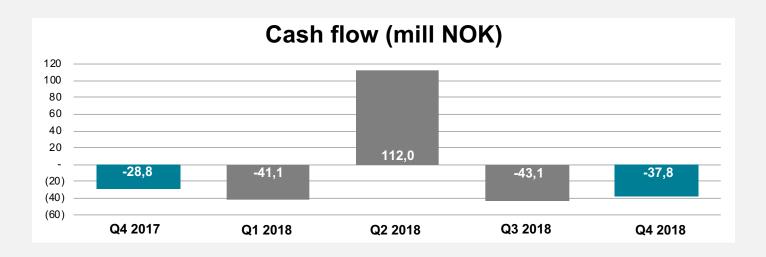


- Effective organisation
- 78.1% (YTD 73.8%) of operating expenses in Q4 2018 attributable to Research & Development activities

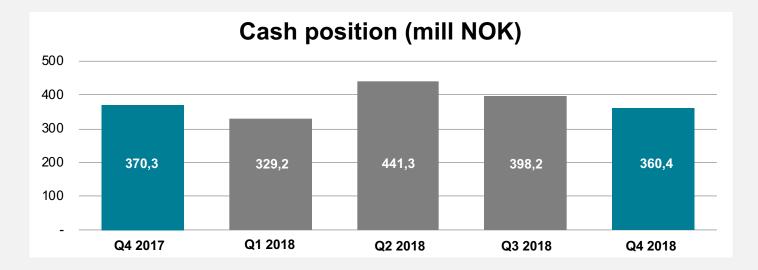
- Q4 18 operating loss reflecting level of research and development activities in the quarter
 - Revenue NOK 2.3 million, licence revenue triggered by pre-clinical milestone (ADCT-601)
 - Stage 2 of NSCLC combination with Keytruda re-opened in Q4 18 and ongoing (mandatory safety review in Q3 18)



Cash flow and cash position



- Private placement Q2,18 strengthened cash position - gross funds raised NOK 187.5m
- Quarterly cash burn average 2018 at NOK 46.7 million



- Cash position gives runway to deliver key clinical read outs from ongoing clinical studies
- Cash runway into 2020 based on current burn rate



Full year 2018 highlights

Strong Phase II PoC clinical data readouts with bemcentinib:

All operational milestones met with data presented at international clinical congresses

Data paving the way to late stage clinical trial programme in 2019:

Targeting monotherapy and combination opportunities in AML/MDS and NSCLC

Pipeline opportunities pursued to complement key internal programmes:

Investigator-led studies broaden oncology applications; rationale in fibrosis

Bemcentinib biomarker programme progressed:

Efficacy correlation with AXL reported in clinical trials

