

Innovating Antibodies, Improving Lives

UBS Global Healthcare Conference
May 22, 2018



Forward Looking Statement

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Genmab At-A-Glance

Core Purpose, Strategy & Vision



Core Purpose

- To improve the lives of patients by creating & developing innovative antibody products



Our Strategy

- Turn science into medicine
- Build a profitable & successful biotech
- Focus on Core Competence



Vision

- By 2025, our own product has transformed cancer treatment and we have a pipeline of knock-your-socks off antibodies

Genmab At-A-Glance

Solid Foundation



DARZALEX®
Arzerra®

2 marketed products
generating royalty
income



Tisotumab vedotin
HuMax®-AXL-ADC
HexaBody-DR5/DR5
DuoBody-CD3xCD20

4 exciting proprietary
clinical programs



DuoBody® Platform
HexaBody® Tech.

2 proprietary next
generation
technologies for
robust pre-clinical
pipeline



**Solid financial
base**

Aim to own at least
50% of product rights
Allows for building
capabilities to market
own product in future

Innovative Clinical & Pre-clinical Pipeline

Development for Marketed & Genmab Proprietary Products

Product	Disease Indications	Development Phase				
		Pre-Clinical	I	I/II	II	III
Daratumumab BTD (2 - MM) Target: CD38 Partner: Janssen	Multiple myeloma (MM)					
	Amyloidosis					
	Non-MM & Solid tumor indications					
Ofatumumab (OMB157) BTD (CLL) Target: CD20 Partner: Novartis	Follicular lymphoma (FL) (IV)					
	Relapsing multiple sclerosis (RMS) (SubQ)					
Tisotumab vedotin Target: TF Partner: Seattle Genetics	Solid tumors					
HuMax-AXL-ADC Target: AXL	Solid tumors					
HexaBody-DR5/DR5 Target: DR5	Solid tumors					
DuoBody-CD3xCD20* Targets: CD3, CD20	Hematological malignancies					

*Announced

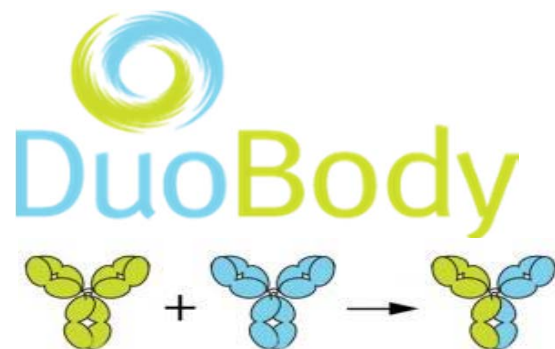
Innovative Clinical & Pre-clinical Pipeline

Additional Shots on Goal

Product	Disease Indications	Development Phase				
		Pre-Clinical	I	I/II	II	III
Teprotumumab (RV001) Target: IGF-1R, Partner: Horizon Pharma	Graves' orbitopathy					
HuMax-IL8 Target: IL8, Partner: BMS	Advanced cancers					
ADCT-301 (HuMax-TAC-ADC) Target: CD25, Partner: ADCT	Lymphoma					
	Acute myeloid leukemia (AML) or acute lymphoblastic leukemia (ALL)					
JNJ-61186372 Targets: EGFR, cMet, Partner: Janssen	Non-small-cell lung cancer (NSCLC)					
JNJ-63709178 Targets: CD3, CD123, Partner: Janssen	Acute Myeloid Leukemia (AML)					
JNJ-64007957 Targets: BCMA, CD3, Partner: Janssen	Relapsed or refractory MM					
JNJ-64407564 Targets: CD3, GPRC5D, Partner: Janssen	Relapsed or refractory MM					
~20 Active Pre-clinical programs incl. DuoBody CD40x4-1BB	Proprietary programs: HuMab, HuMab-ADC, DuoBody, DuoBody-ADC & HexaBody					
Aim 4 INDs in 4 Years	Partnered programs: HuMab, DuoBody & HexaBody					

Cutting Edge Capabilities

Additional Value Created by Technologies



DuoBody Platform

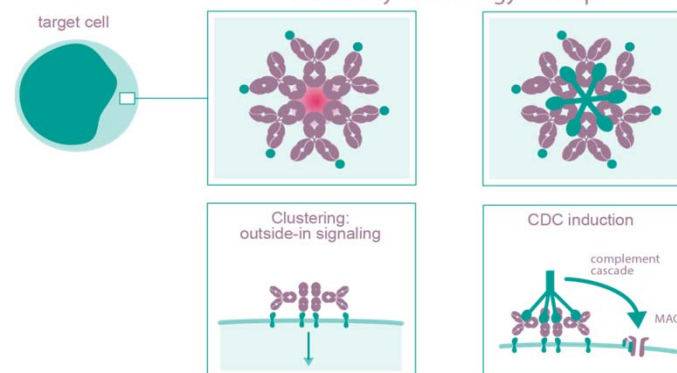
- Efficient & versatile bispecific Ab platform
- Applicable to any antibody from any platform
- Regular IgG format
- Large scale production validated
- No developability liabilities
- Robotized bispecific library generation
- Multiple ongoing collab. incl. with Novo Nordisk, Gilead & Janssen

HexaBody Technology

- Robust effector function enhanced Ab
- Enables antibodies to readily form clusters of 6 (hexamers)
- Induces & enhances target cell killing after binding (CDC and apoptosis)
- Creates innovative products in cancer & infectious diseases
- Multiple ongoing research collaborations



HexaBody Technology concept



Daratumumab (Marketed as DARZALEX®) Approved in US, EU & Japan

First-in-class antibody targeting CD38 – 2 FDA BTDs

Marketed as monotherapy in US & EU for double refractory MM

Approved in US, EU & Japan in combo. w/ Revlimid® & dex or Velcade® & dex for relapsed / refractory MM

Approved in the US in combo. w/ Velcade®, melphalan & prednisone for newly diagnosed MM pts ineligible for ASCT & in combo. w/ Pomalyst® & dex for pts w/ MM who have received at least 2 prior therapies

Industry sponsored clinical studies ongoing in MM, NKT-cell lymphoma, MDS, amyloidosis and solid tumors

Blockbuster status – growing royalty income
Royalty rate: 12% - 20%

Collaboration w/ Janssen Biotech

Up to \$1bn total in dev., reg. & sales milestones, Janssen responsible for all costs assoc. w/ dev. & commercialization



Covering All Stages of MM: Key Ongoing Trials

Disease Stage	Therapy	No. Pts	Development Phase				
			Pre-Clinical	I	I/II	II	III
High Risk Smoldering	Subcutaneous	360	AQUILA				
	Monotherapy	126	✓ CENTAURUS				
Front line (transplant & non-transplant)	Dara + VMP	706	✓ ALCYONE				
	Dara + VMP (Asia Pacific)	210					
	Dara + Rd	744	✓ MAIA				
	Dara + VTd	1,080	✓ CASSIOPEIA				
	Dara + RVd	216	GRIFFIN				
Relapsed or Refractory	Dara + Vd (China)	210					
	Dara + Kd	450	CANDOR				
	Dara + Pom + d	302	APOLLO				
	Subcutaneous vs IV	480	COLUMBA				
	Dara + combinations	>470	NINLARO® (Ph II), Venclexta™ (Ph II), Selinexor (Ph I/II)				
	Dara + I.O. (PD1 & PDL1)	>1,100	Keytruda® (Ph II), Opdivo® (Ph I), Tecentriq®, (Ph I), JNJ-63723283 (Ph I)				

V = Velcade®, MP = melphalan-prednisone, T = thalidomide, d = dexamethasone, R = Revlimid®, K = Kypolis®, Pom = Pomalyst®

✓ Fully recruited

Maintenance integrated into some study protocols

Daratumumab Development Beyond Multiple Myeloma

Amyloidosis

- Ph III D (SC) + cyclo., bortezomib & dex. (CyBorD)

MDS

- Ph II D

ALL

- Ph II D + Vincristine + Prednisone + Doxorubicin

NKTCL (nasal type)

- Ph II mono.

Colon cancer

- Ph II D + Opdivo

NSCLC

- Ph I/II D + Tecentriq

NSCLC, pancreatic, triple neg. breast cancers

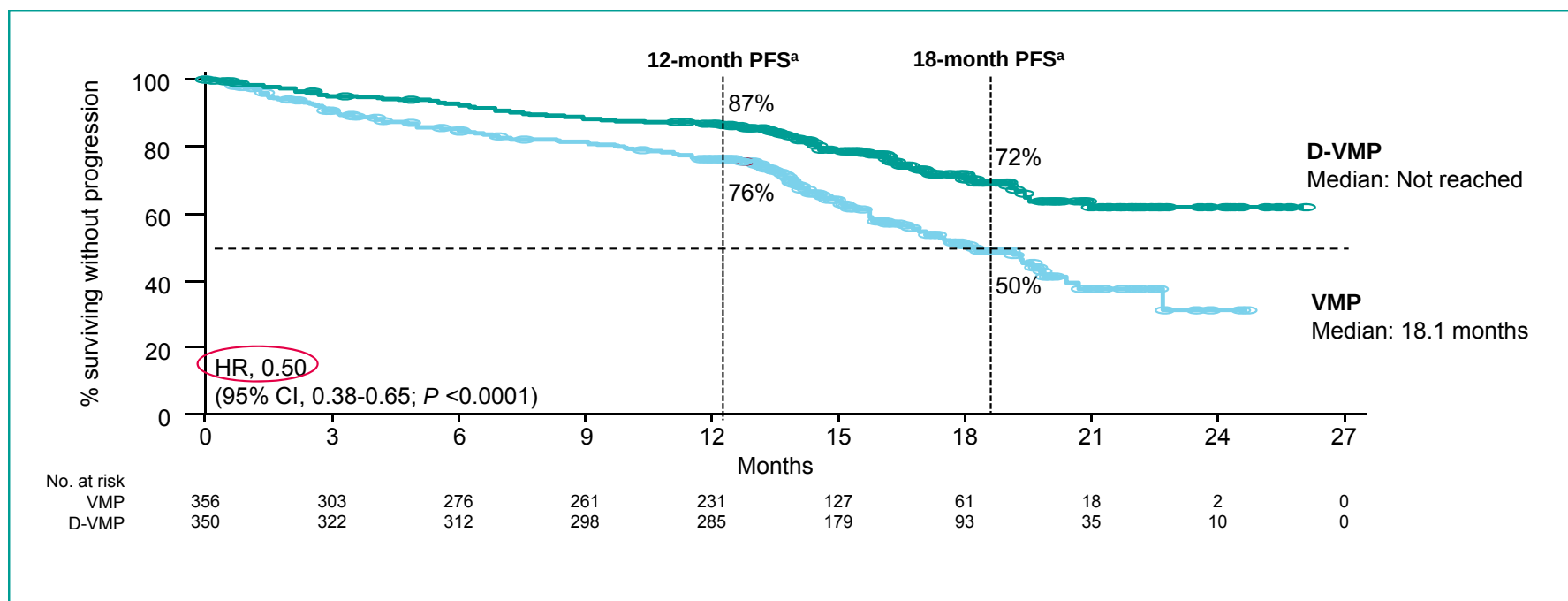
- Ph I/II D + Opdivo

Virus associated tumors

- Ph I/II D + Opdivo

Front Line Multiple Myeloma: ALCYONE

Ph III Newly Diagnosed Multiple Myeloma



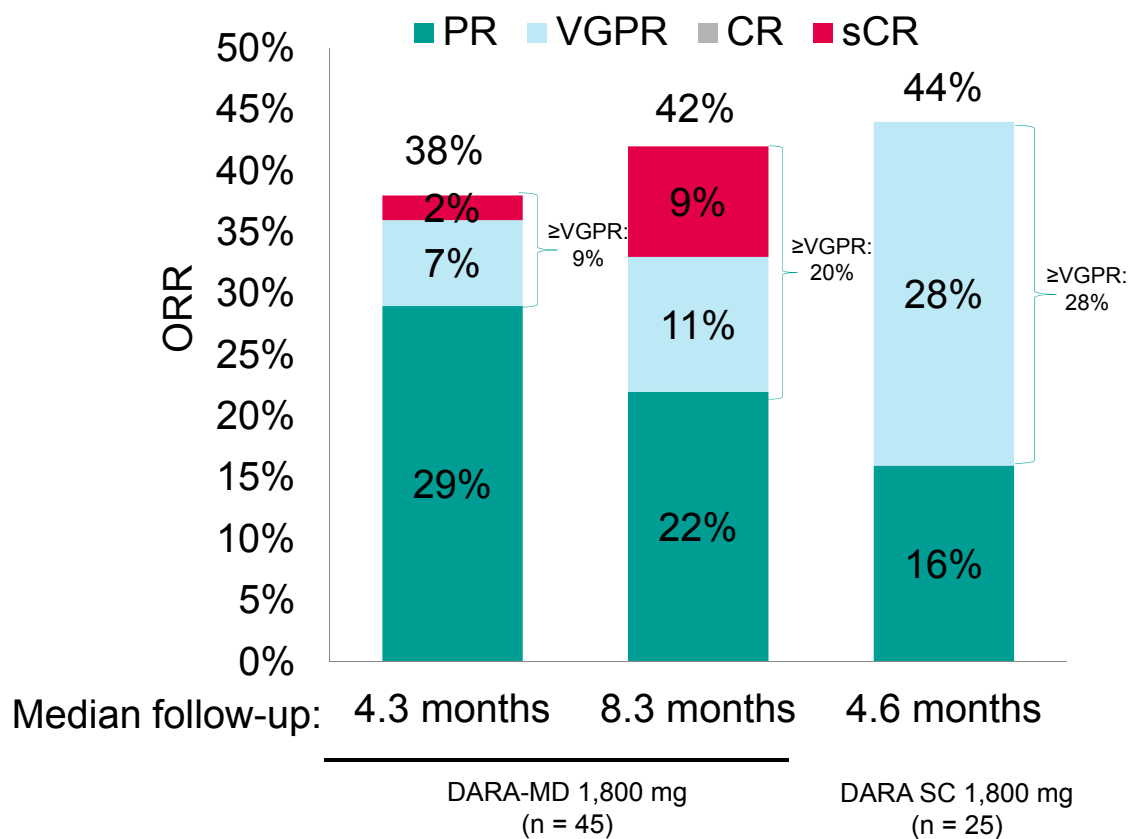
In D-VMP arm:

- 50% reduction risk of disease progression or death in patients receiving D-VMP
- Median PFS not reached
- >3-fold higher MRD-negative rate

Data Presented at ASH – Atlanta, December 2017 / Basis of FDA & EMA Submissions, November 2017

Subcutaneous Daratumumab

Data PhIb PAVO Study in Relapsed or Refractory MM



Faster Infusion time

- Dosing in 3-5 min.
- Ph III study underway
- First IV infusion: 7 hrs

Well tolerated

- IRRs w/ dara SC: 12%
- IRRs w/ dara IV: 45% - 56%

Clinical responses to dara SC observed

- Rates similar to Dara IV

Presented at ASH – Atlanta, December 2017

Ofatumumab (Arzerra®)

Human antibody targeting CD20

Two Phase III studies in relapsing MS ongoing

MS Advantages: Dosing

Better disease management, subcutaneous dosing

MS Advantages: Attributes

Potential for low immunogenicity, manageable safety profile

Marketed in various territories for certain CLL indications*

In non-US markets, Novartis intends to transition from commercial to compassionate use programs

Collaboration with Novartis

Cash flow positive for Genmab



*See local country prescribing information for precise indications

Clinical Projects: Tisotumab vedotin

Phase II for Cervical Cancer

Fully human antibody-drug conjugate (ADC)

Targets Tissue Factor (TF)

Therapeutic potential in broad range of solid tumors

Ph II study in cervical cancer

Potential registrational pathway

Ph II study in colorectal, NSCLC, pancreatic, SCCHN

Studies ongoing in solid tumors

Indications incl. gynecologic (ovarian, cervical, and endometrial) cancers, prostate, bladder, & esophageal cancers, NSCLC & SCCHN

50:50 Co-development with Seattle Genetics



Clinical Projects: HuMax-AXL-ADC

Efficacy in *in vivo* Tumor Model

Human ADC

Targets tumor-associated AXL

Therapeutic potential in solid tumors

First-in-human Phase I/II study

- Indications incl. gynecologic (ovarian, cervical, & endometrial) cancers, thyroid cancer, NSCLC and melanoma
 - Expansion cohorts initiated in 2018 (NSCLC, melanoma, sarcoma)
-

ADC technology licensed from Seattle Genetics



Clinical Projects: HexaBody-DR5/DR5

Potential in Solid Tumors

Proprietary HexaBody technology

DR5 as tumor target

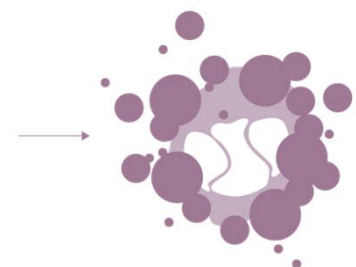
Phase I/II study initiated in Q2 2018

Potential in solid cancers

Colorectal, NSCLC, triple neg. breast cancer,
renal cell cancer, gastric cancer, pancreatic cancer
& urothelial cancer



Apoptosis by hexamer-induced DR5
clustering and outside-in signaling



Clinical Projects: DuoBody-CD3xCD20

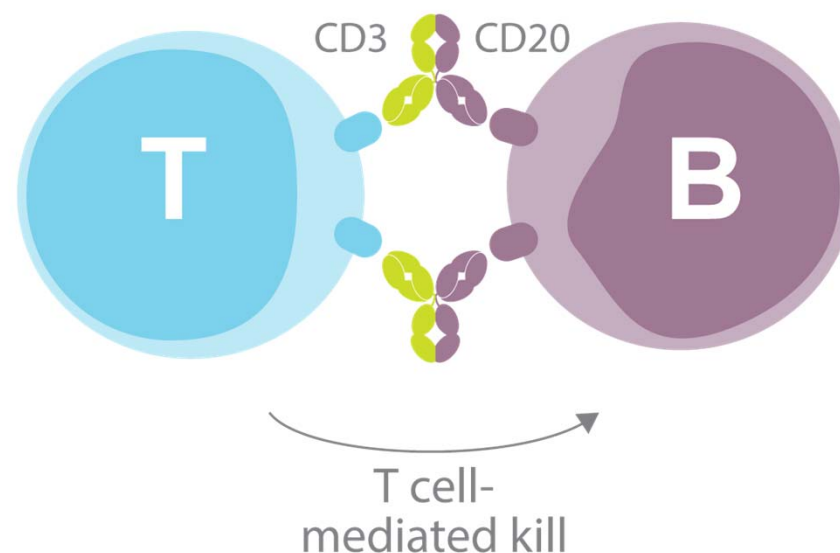
Phase I/II Study Planned

Proprietary DuoBody Technology

CD20 & CD3 as therapeutic targets

IND & CTAs filed in Q4 2017
Initiating Phase I/II study in 2018

Potential in B-cell malignancies



Well-Capitalized Biotech – 2018 Guidance

Income Statement	DKKM	USDM*
Revenue	2,700 – 3,100	450 - 517
Operating expenses	(1,400) – (1,600)	(233) – (267)
Operating income	1,300 – 1,500	217 - 250
*USD 1.00 = DKK 6.00		

2018 Guidance – May 8, 2018

DARZALEX sales

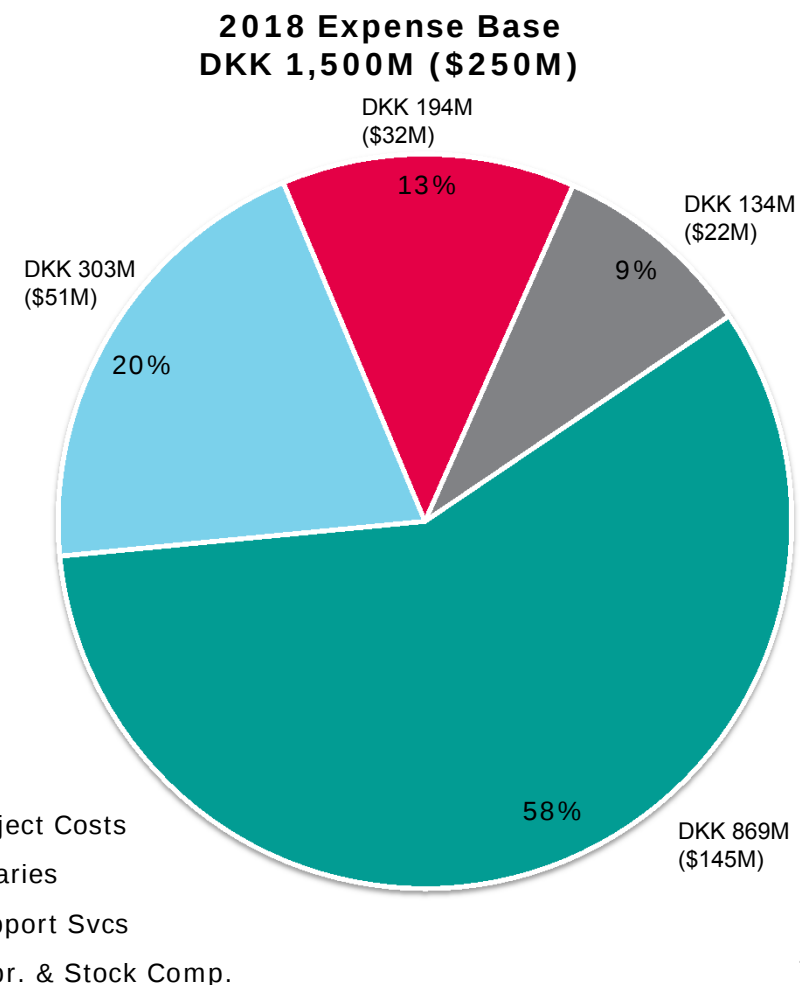
- Genmab's estimate of DARZALEX net sales USD 2.0-2.3 billion

Revenue mid-point DKK 2,900M

- DARZALEX royalties DKK 1,750M
- DARZALEX milestones DKK 550M
- Novartis one-time payment of DKK 300M

Expense mid-point DKK 1,500

- Continued investment in our clinical & pre-clinical pipeline
- 10 pipeline projects drive ~DKK 765M, 51% of total expense



2018 Company Goals

Maximizing Differentiated Product Portfolio Value

Priority	✓	Targeted Milestone
Maximize daratumumab progress		» FDA and EMA decision on Phase III ALCYONE multiple myeloma (MM) submission » Start new Phase III MM study » Report early clinical data in solid tumors » Phase III MAIA MM efficacy analysis in frontline » Phase III CASSIOPEIA MM efficacy analysis in frontline
Optimize ofatumumab value	✓	» Complete recruitment Phase III subcutaneous ofatumumab relapsing MS studies
Maximize tisotumab vedotin progress		» Start two Phase II studies in cervical cancer (recurrent / metastatic & combination study in frontline) » Start Phase II study in additional solid tumor indications
Strengthen differentiated product pipeline and technology partnership portfolio	✓	» Start HuMax-AXL-ADC expansion phase in ongoing Phase I/II study » Progress HexaBody-DR5/DR5 Phase I/II study » Progress DuoBody-CD3xCD20 Phase I/II study » Accelerate proprietary DuoBody Immuno-Oncology programs towards clinic » Enter new technology or product collaborations
Disciplined financial management and building a commercial footprint		» Execute controlled company growth with selective investments in product & technology pipeline » Continue investing in building commercialization and launch capabilities

Creating Value for Patients & Shareholders

Building on 3 central pillars: Focus, Innovation & Execution

- | | | |
|--|--|---|
|  2 marketed products |  Robust pre-clinical pipeline |  Building commercial expertise |
|  4 proprietary early stage clin. programs |  World-class antibody & R&D expertise |  Solid financials |
|  2 proprietary technologies |  Strategic collaborations |  Proven track record |

