

### Focused on Growth and Innovation

Investor presentation January 2020



#### Disclaimer and forward-looking statements

This communication including the accompanying oral presentation contains certain forward-looking statements, including, without limitation, statements containing the words "believes", "anticipates", "expects", supposes", "considers" and words of similar import or which can be identified as discussions of strategy, plans or intentions. Such forward-looking statements are based on current expectations and belief of company management, which are subject to numerous risks and uncertainties, which may cause the actual results, financial condition, performance, or achievements of Basilea, or the industry, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the following: the uncertainty of pre-clinical and clinical trials of potential products, limited supplies, future capital needs and the uncertainty of additional funding, compliance with ongoing regulatory obligations and the need for regulatory approval of the company's operations and potential products, dependence on licenses, patents and proprietary technology as well as key suppliers and other third parties, including in preclinical and clinical trials, acceptance of Company's products by the market in case they obtained regulatory approval, competition from other biotechnology, chemical and pharmaceutical companies, attraction and retention of skilled employees and dependence on key personnel, early stage of sales and marketing structure and dependence on partners for commercialization of products, limited manufacturing resources, management's discretion as to use of proceeds, risks of product liability and limitations on insurance, uncertainties relating to public health care policies, adverse changes in governmental rules and fiscal policies, changes in foreign currency and other factors referenced in this communication. Given these uncertainties, prospective investors are cautioned not to place undue reliance on such forward-looking statements. The company disclaims any obligation to update any such forward-looking statements to reflect future events or developments, except as required by applicable law.

#### **Experienced leadership team**



David Veitch CEO

Joined

2014

Previous roles:







Adesh Kaul CFO

2009







Marc Engelhardt MD, Ph.D. CMO

2010







Gerrit Hauck Ph.D. CTO

2018





**Laurenz Kellenberger Ph.D.** CSO

2000





#### At a glance

- Well funded, commercial-stage biotech company with significantly growing cash revenues
- Focused in the areas of oncology, hospital antifungals and hospital antibiotics
- Potential for sustainable growth and value creation based on commercialized brands and an innovative pipeline
- Experienced people with the proven expertise to take compounds from research to market
- Two revenue generating hospital anti-infective brands, Cresemba<sup>®</sup> and Zevtera<sup>®</sup> and three oncology drug candidates in development
- Recognized ability to establish and manage partnerships in both the development and commercial phase, providing access to international markets
- Listed on SIX Swiss Stock Exchange, SIX: BSLN
- Based in life sciences hub, Basel, Switzerland



### Potential for sustainable growth and value creation based on commercialized brands and innovative pipeline

	Products / Product candidates / Indication	Preclinical	Phase 1	Phase 2	Phase 3	Market	
Antifungals	Cresemba® (isavuconazole) Invasive aspergillosis and mucormycosis (U.S. and EU and several other countries)	intravenous and oral					
	Invasive fungal infections (Japan)	intravenous and oral					
Antibiotics	Zevtera®/Mabelio® (ceftobiprole)						
	Hospital- and community-acquired pneumonia (HAP, CAP) (major European and several non-European countries)	intravenous					
	Acute bacterial skin and skin structure infections (ABSSSI)	intravenous	intravenous				
	Staphylococcus aureus (MSSA/MRSA) bacteremia (bloodstream infections)	intravenous					
Oncology	Derazantinib panFGFR kinase inhibitor						
	Intrahepatic cholangiocarcinoma (iCCA) – registrational study	oral					
	Urothelial cancer – monotherapy and combination with atezolizumab (Tecentriq®)	oral					
	Gastric cancer (planned study start Q3 2020)	oral					
	Lisavanbulin (BAL101553) tumor checkpoint controller	oral					
	Glioblastoma						
	Glioblastoma – combination with radiotherapy	oral					
	BAL3833 panRAF/SRC kinase inhibitor						
	Solid tumors	oral		*			
	Internal & external innovation	Research	Development				

<sup>\*</sup> pre-clinical reformulation activities ongoing.

Tecentriq® is a registered trademark of Hoffmann-La Roche Ltd.

#### **Our strategy**



Foster
Foster an agile
organisation based on
a dynamic and open
culture



Focus on continuously increasing revenues from our two commercial-stage hospital anti-infective brands, Cresemba® and Zevtera®

**Focus** 



Leverage
Leverage our
expertise in bringing
drugs from research
to market by utilising
appropriate
partnerships with
established
organisations



Invest
Invest in our clinical
portfolio of targeted,
small molecule,
oncology drug
candidates and the
phase 3 ceftobiprole
program



Innovate
Continue to broaden
our R&D pipeline
through both internal
and external
innovation

#### The company we keep — established strong partnerships

#### License partners



Europe (excl. Nordics), China Asia-Pacific, Russia, Turkey ans Israel (Cresemba®)



U.S. (Cresemba®)

#### **AsahiKASEI**

Japan (Cresemba®)



#### **Distribution partners**

#### correvio

Europe (excl. Nordics), Israel (Zevtera®)

#### hikma.

MENA region (Cresemba® and Zevtera®)

#### GBT Grupo Biotoscana

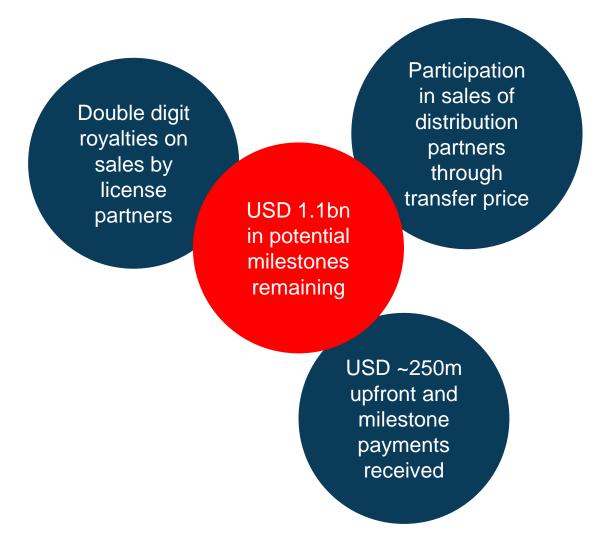
LatAm (Cresemba® and Zevtera®)



Nordics (Cresemba® and Zevtera®)



Canada (Cresemba® and Zevtera®)



#### Five reasons to invest



#### Growth

Well funded with increasing and sustainable revenues through commercialized brands



#### **Prospects**

Opportunity to share in pipeline value creation and proven approach to the successful commercialization of products around the world



#### Leadership

Experienced team working in an agile culture able to turn pipeline projects into revenue generating brands



#### **Partnerships**

Proven ability to build successful partnerships in research, development and commercialization with leading academic, governmental and industrial organisations



#### **Focus**

One of the few biopharmaceutical companies in the world focused on the development and commercialization of targeted oncology small molecules and new antibiotics and antifungals



#### **Portfolio**





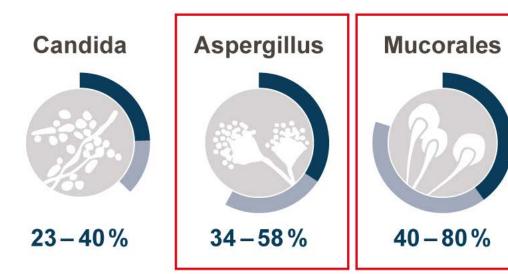




#### The market — invasive fungal infections

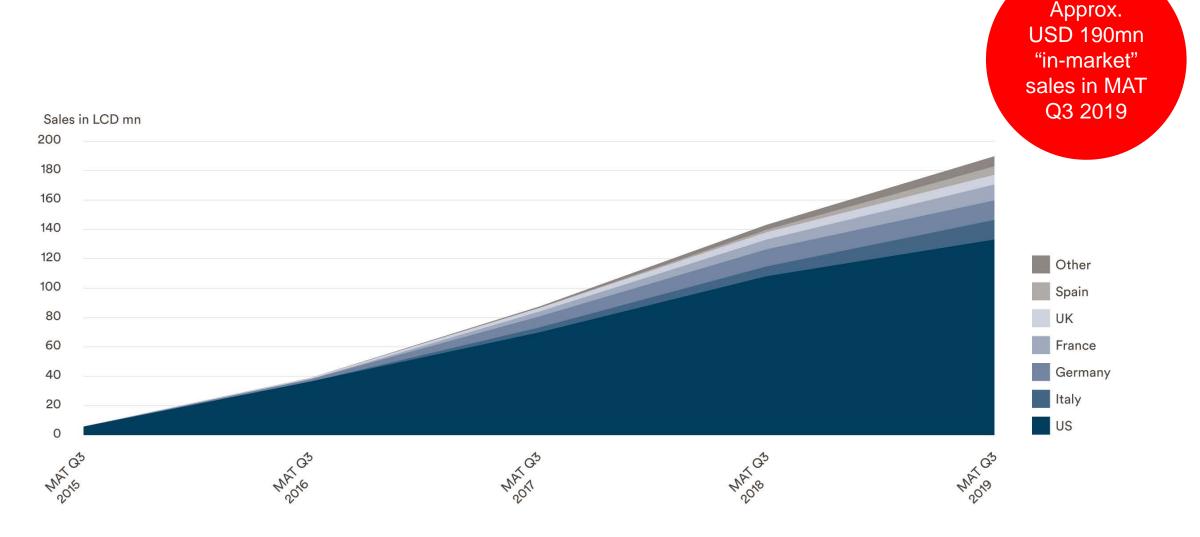
- Severe, potentially life-threatening infections mainly affecting immunocompromised patients
- An important cause of morbidity and mortality in cancer patients undergoing intensive chemotherapy regimens
- Rising number of immunocompromised patients (cancer and transplantations) driving therapeutic demand
- Mucorales infections on the rise doubled from 2000 to 2013
- Limitations of current therapies (spectrum of activity, toxicity, effective plasma levels) drive the need for new agents

#### Mortality rates for invasive fungal infections\*\*



<sup>\*\*</sup>Kullberg/Arendrup *N Engl J Med* 2015, Baddley *Clin Infect Dis* 2010, Roden *Clin Infect Dis* 2005, Greenberg *Curr Opin Infect Dis* 2004

#### Cresemba® continues strong sales uptake



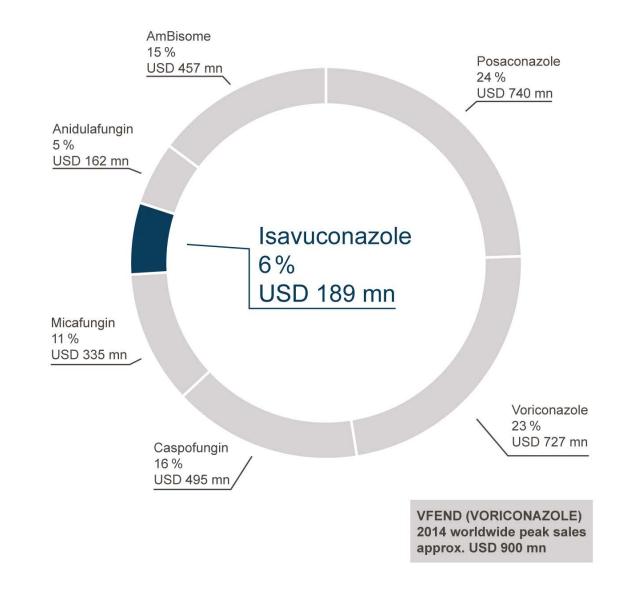
LCD: USD corrected for currency fluctuations; MAT: Moving annual total; Source: IQVIA, Sept. 2019



### Sales of best-in-class antifungals\* by product

**USD 3.0 bn sales (MAT Q3 2019)** 

- Potential to increase Cresemba® (isavuconazole) market share
  - Anticipate to be launched in 60 countries by end-2021
  - Exclusivity through 2027 in the U.S. and potential pediatric exclusivity extension to 2027 (from 2025) in the EU



\* Best-in-class antifungals: isavuconazole, posaconazole, voriconazole, AmBisome, anidulafungin, caspofungin, micafungin

\* MAT: Moving annual total; Sales figures in USD, corrected for currency fluctuations; Source: IQVIA, Sept. 2019



Proprietary information of Basilea Pharmaceutica International Ltd. – not for distribution



#### Zevtera® — an introduction

- Broad-spectrum anti-MRSA cephalosporin (including Gram-negative bacteria)
- Rapid bactericidal activity
- Potential to replace antibiotic combinations
- Early improvement in HAP, particularly in patients with MRSA, and CAP, including highrisk patients
- Cephalosporin class safety profile
- Marketed in selected countries in Europe, Latin America and the MENA-region as well as in Canada

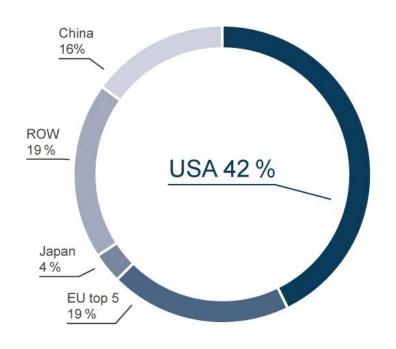
Approved in major European countries & several non-European countries for both hospitalacquired pneumonia (HAP), excluding ventilator-associated pneumonia (VAP), and community-acquired pneumonia (CAP). Not approved in the U.S.



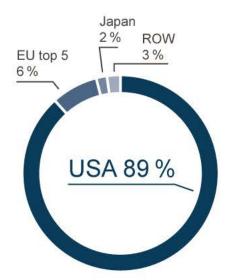


### The hospital anti-MRSA antibiotic market — A USD 3.1bn market with the U.S. being the most important region

Global anti-MRSA hospital antibiotics sales\* USD 3.1bn (MAT Q3 2019)



Daptomycin sales by region 2015 (before LOE)



Ceftaroline sales by region (MAT Q3 2019)



<sup>\*</sup> Vancomycin, linezolid, teicoplanin, daptomycin, tigecycline, telavancin, ceftaroline, dalbavancin, oritavancin and tedizolid MRSA: Methicillin-resistant Staphylococcus aureus; LOE: Loss of exclusivity; ROW: Rest of world MAT: Moving annual total; Sales figures in USD, corrected for currency fluctuations; Source: IQVIA, Sept. 2019



#### Strategy for accessing the U.S. market

- Two cross-supportive studies under
   FDA Special Protocol Assessment (SPA)
- Acute Bacterial Skin and Skin Structure Infections (ABSSSI) successfully completed<sup>1</sup>



 Staphylococcus aureus bacteremia (SAB) ongoing, anticipated to report topline results in H2 2021<sup>2</sup>



 Phase 3 program largely funded by BARDA (up to USD 128mn, ~70% of total program costs)



Qualified Infectious Disease Product (QIDP)
 designation extends U.S. market exclusivity to
 10 years from approval

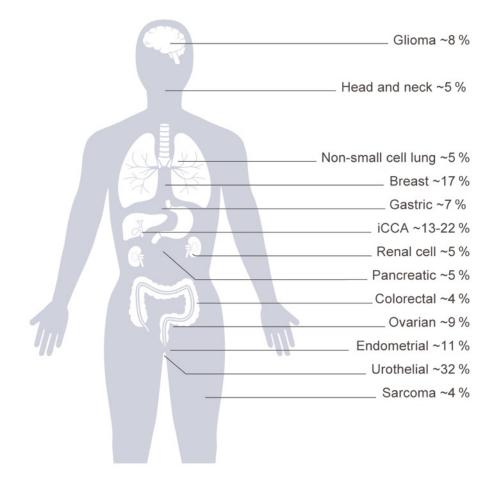
<sup>1</sup> NCT03137173 <sup>2</sup> NCT03138733





### Derazantinib — Targeting FGFR-driven tumors as single agent and in combination with immunotherapy

- Small molecule, oral inhibitor of Fibroblast Growth Factor Receptor (FGFR) family of kinases, in-licensed from ArQule
  - panFGFR kinase inhibitor with strongest activity against FGFR1, 2 and 3
- Development strategy focused on achieving differentiation by leveraging unique properties of derazantinib
  - Kinase inhibition profile: exploring therapeutic potential of additional targets of derazantinib such as CSF1R (Colonystimulating Factor 1 Receptor) and VEGFR2 (Vascular Endothelial Growth Factor Receptor 2) kinase
  - Safety profile: exploring relevance for potential combination therapies
- Two clinical studies ongoing
  - Urothelial cancer phase 1/2 study: Monotherapy and in combination with immune-checkpoint inhibitor atezolizumab (Tecentriq<sup>®</sup>)
  - Intrahepatic cholangiocarcinoma (iCCA) registrational phase 2 study: Monotherapy in FGFR2 gene fusions and other FGFR2 genetic aberrations



Sources: Helsten et al., Clin Cancer Res 2016 (22), 257-267; FGFR2 fusions in iCCA: Graham et al. Hum Pathol 2014 (45), 1630-1638; Jain et al. JCO Precis Oncol 2018 (2) 1-12

### FGFR-inhibitors show differences in kinase-inhibition profiles<sup>1</sup>

FGFR-inhibitor compound (Sponsor) Parameter		FGFR1	FGFR2	FGFR3	FGFR4	CSF1R
Derazantinib (Basilea)	Ratio to FGFR2 activity	4	1	4	77	3
Pemigatinib (Incyte)	Ratio to FGFR2 activity	3	1	4	39	231
Erdafitinib (Janssen)	Ratio to FGFR2 activity	2	1	2	13	95
Rogaratinib (Bayer)	Ratio to FGFR2 activity	5	1	6	18	116
Infigratinib (QED)	Ratio to FGFR2 activity	2	1	2	47	86
Futibatinib (Taiho)	Ratio to FGFR2 activity	2	1	2	18	NA

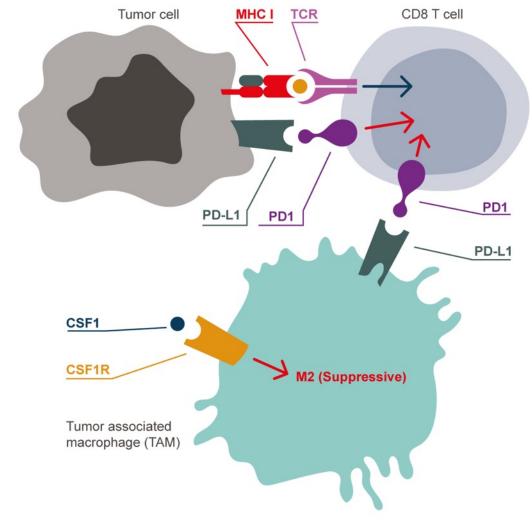
<sup>&</sup>lt;sup>1</sup> McSheehy et al. Derazantinib (DZB): A dual FGFR/CSF1R-inhibitor active in PDX-models of urothelial cancer. Mol Cancer Ther. 2019 (18) (12 Supplement) LB-C12



# Potential therapeutic relevance of CSF1R-inhibition

- Derazantinib is active in inhibiting FGFR kinases and CSF1R (Colony-stimulating factor-1 receptor)
- CSF1R-inhibition may reprogram immunosuppressive tumor-infiltrating macrophages, restore T-cell activity and thereby improve the susceptibility to PD1/PD-L1 inhibitors<sup>1</sup>
- Derazantinib may address several oncogenic mechanisms at the same time, i.e. inhibiting FGFR and making the tumor more susceptible to immunotherapy
- Basilea entered into a clinical supply agreement with Roche to study a combination of derazantinib and Roche's PD-L1blocking immune-checkpoint inhibitor atezolizumab (Tecentriq<sup>®</sup>) in patients with urothelial cancer

#### **Tumor microenvironment**



<sup>&</sup>lt;sup>2</sup> Graph adapted from: A. Ghasemzadeh et al. New Strategies in Bladder Cancer: A Second Coming for Immunotherapy. Clin Cancer Res. 2016;22(4):793-801

<sup>&</sup>lt;sup>1</sup> X. Zheng et al. Redirecting tumor-associated macrophages to become tumoricidal effectors as a novel strategy for cancer therapy. Oncotarget. 2017;8(29):48436-48452

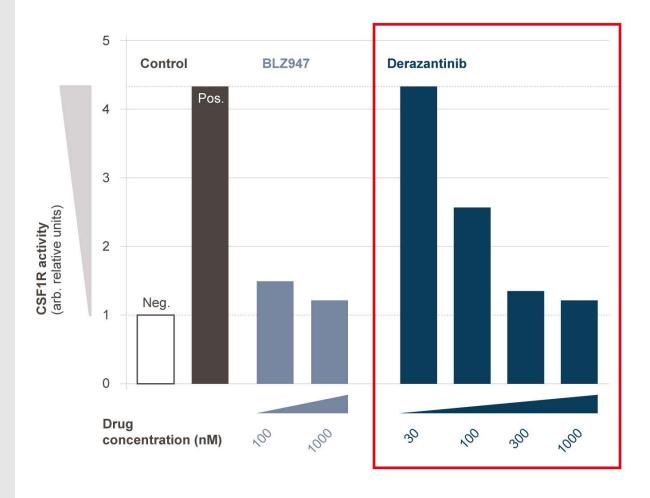


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### Derazantinib inhibits mouse macrophage CSF1R activity

- Derazantinib treatment reduced CSF1stimulated CSF1R activation (pCSF1R) in a concentration-dependent manner
- The maximum effect is similar to the specific CSF1R inhibitor BLZ945
- Derazantinib active-concentration
   (IC50 of 120 nM) is achievable in patients

#### Inhibition of CSF1R activity



Method: bone-marrow-derived mouse macrophages were starved overnight, treated with CSF1 for 3 min, with or without pre-incubation with BLZ945 or DZB, and then extracted for subsequent immunoblot. The graph shows the quantification of the experiment based on densiometric analysis of the immunoblots

<sup>&</sup>lt;sup>1</sup>McSheehy et al. Derazantinib (DZB): A dual FGFR/CSF1R-inhibitor active in PDX-models of urothelial cancer. Mol Cancer Ther. 2019 (18) (12 Supplement) LB-C12



#### FGFR-inhibitors show differences in safety profiles

	Cholangiocarcinoma				Urothelial cancer		
	DZB <sup>1</sup> (N=44)	INF <sup>2</sup> (N=71)	FUT <sup>3</sup> (N=45)	PEM <sup>4</sup> (N=146)	PEM <sup>5</sup> (N=108)	ERD <sup>6</sup> * (N=99)	
Dosing regimen	300mg QD	125mg Q4W QD for 3w	16 mg, 20 mg or 24 mg QD	13.5mg Q3W QD for 2w	13.5mg Q3W QD for 2w	8 mg QD (titr. to 9mg)	
Most frequent safety events	Phosphorus얍 Nausea Vomiting	Phosphorus û Fatigue Stomatitis	Phosphorus û Constipation AST↑	Phosphorus û Alopecia Diarrhoea	Diarrhoea Alopecia Constipation	Phosphorus û Stomatitis Dry mouth	
Blood phosphorus û†	59%	73%	80%	60%	31%	73%	
Fatigue <sup>†</sup>	43%	49%	NR	42%	32%	≥21%	
Alopecia <sup>†</sup>	20%	38%	NR	49%	NR	≥27%	
Dry eye/xerophthalmia <sup>†</sup>	16%	32%	NR	25%	NR	≥19%	
Central serous retinopathy	0%	NR	NR	4%	NR	21%	
Alanine aminotransferase (ALT) 企	30%	NR	31%	NR	NR	41% <sup>7</sup>	
Hand-foot syndrome/PPE	0%	27%	22%	>5%**	NR	≥22%	
Nail toxicities	<5%	NR	NR	42%	NR	52%	
Stomatitis	11%	45%	22%	35%	34%	≥55%	

Sources: <sup>1</sup> Droz Dit Busset et al., ESMO 2019 and Basilea data on file; <sup>2</sup> Javle et al., ESMO 2018; <sup>3</sup> Meric-Bernstam et al, ESMO WC GI Cancer, 2018;

Abbreviations: DZB: derazantinib, INF: infigratinib (BJG398), FUT: futibatinib (TAS-120), PEM: pemigatinib (INCB54828), ERD: erdafitinib;

PPES: Palmar-plantar erythrodysesthesia; NR: not reported; QD: daily; Q3W/Q4W: every 3/4 weeks; w: weeks.

<sup>\*</sup> Drug-related events reported only; † assumed FGFR inhibitor class-effect; \*\*AE frequency not reported, but 8/146 (5.5%) patients were reported with dose interruptions due to PPE



<sup>&</sup>lt;sup>4</sup> Vogel, et al., ESMO 2019; <sup>5</sup> Necchi, et al., ESMO 2018; <sup>6</sup> Siefker-Radtke et al., ASCO 2018; <sup>7</sup> Balversa<sup>™</sup> U.S. prescribing information (April 2019) based on reported laboratory abnormalities N=86 patients, regardless of causality.

# Derazantinib — Established proof-of-concept in iCCA in phase 1/2a study

- Subgroup analysis of 29 patients with FGFR2-fusion positive iCCA:
  - Objective response rate of 21%
  - In 72% of patients, tumor response or disease stabilization for ≥16 weeks was achieved\*
- Compares favorably to Standard-of-Care (SoC) chemotherapy (cross-trial comparison)
  - Objective Response Rate (ORR) 21% for derazantinib<sup>1</sup> versus <10% for SoC<sup>2, 3</sup>
  - Progression-Free Survival (PFS) approx. 6 months<sup>1</sup>
     versus 3 months for SoC<sup>2, 3</sup>
- Manageable safety profile<sup>1, 4</sup>

<sup>1</sup> V. Mazzaferro et al. Derazantinib (ARQ 087) in advanced or inoperable FGFR2 gene fusion-positive intrahepatic cholangiocarcinoma. British Journal of Cancer 2018 <sup>2</sup> A. Lamarca et al. Second-line chemotherapy in advanced biliary cancer: a systematic review. Annals of Oncology 2014 (25), 2328-2338; <sup>3</sup> L. Fornaro et al. Second-line chemotherapy in advanced biliary cancer progressed to first-line platinum-gemcitabine combination: a multicenter survey and pooled analysis with published data. Journal of Experimental & Clinical Cancer Research 2015 (34), 156 <sup>4</sup> K. P. Papadopoulos et al. A phase 1 study of ARQ 087, an oral pan-FGFR inhibitor in patients with advanced solid tumors. British Journal of Cancer 2017, 1-8

#### 30 % 20 % -10 % -20 % -30 % -40 % -50 % -60 %

Sources: Mazzaferro et al. British Journal of Cancer 2018;

Best change of target lesion from baseline

<sup>\*</sup> Mazzaferro et al. J Clin Oncol 2017;35 suppl: abstract 4017

### Derazantinib — Multi-cohort phase 1/2 study in advanced urothelial cancer (FIDES-02)<sup>1</sup>

- Derazantinib as single agent and in combination with atezolizumab (Tecentriq®) in patients with advanced urothelial cancer testing positive for mutations or fusions of FGFR1, FGFR2 or FGFR3 genes
- The subgroup of patients with low PD-L1 expression have limited clinical benefit from the treatment with PD1/PD-L1 inhibitors. This subgroup, however, shows frequent FGFR genomic abnormalities (mainly FGFR3 fusions)
- Derazantinib combined with PD1/PD-L1 inhibitors may provide benefits related to multiple mechanisms (FGFR-inhibition, macrophage modulation, enhanced response to immunotherapy), in particular in the low PD-L1 expression subgroup

- Across a total of four sub-studies, FIDES-02 potentially can enroll up to approximately 300 patients
- Patient cohorts in various treatment settings, including:
  - Post-chemotherapy/immunotherapy recurrence (second-and post second-line)
  - First-line platinum-ineligible
  - Resistance to prior FGFR-inhibitor treatment
- Study conducted in multiple centers in Asia-Pacific, Europe and North America
- Clinical supply agreement with Roche for the immune-checkpoint inhibitor atezolizumab (Tecentriq<sup>®</sup>)

<sup>1</sup> NCT04045613



Oncology

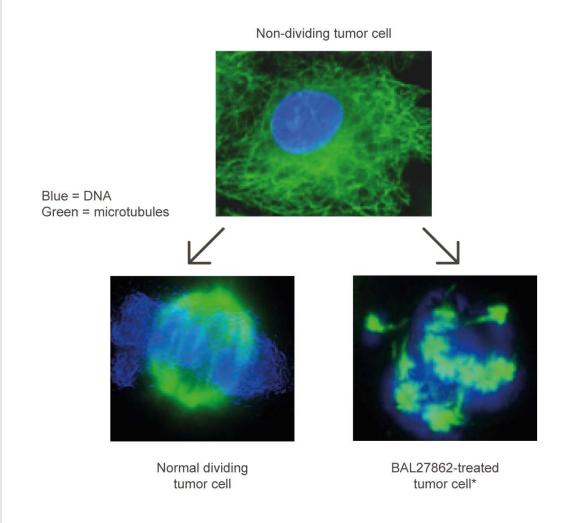
### Lisavanbulin (BAL101553)

Glioblastoma and other solid tumors



# Lisavanbulin — Novel tumor checkpoint controller crossing the blood-brain barrier

- Novel compound inducing tumor cell death through spindle assembly checkpoint activation
- Destabilizing the microtubule scaffold through a novel target-binding site
- Targeting diverse tumor types resistant to standard therapeutic approaches
- Crosses the blood-brain barrier with potent activity in brain tumor models alone and in combination
- Flexible dosing potential, including daily oral dosing
- Comprehensive biomarker program to optimize patient selection





<sup>\*</sup> Lisavanbulin (BAL101553) is a prodrug of BAL27862

### Lisavanbulin — focus on a selected, biomarker-driven approach

- Two recent phase 1/2 clinical studies:
  - Concluded patient enrolment in phase 1 dose escalation study<sup>1</sup> (daily oral) in patients with recurrent glioblastoma or high-grade glioma in August 2019
  - Concluded patient enrolment in phase 2a expansion study using weekly 48-hour intravenous (i.v.) administration in patients with recurrent GBM or with platinum-resistant ovarian cancer in December 2019<sup>2</sup>
- Profound objective responses in GBM across the two studies
  - More than 80% reduction of the GBM tumor area observed in two patients with glioblastoma
  - GBM tumor tissue of one of these patients displayed strong expression of EB1

- Plan to start a phase 2 oral biomarker-driven glioblastoma study in mid-2020
- Ongoing phase 1 study (daily oral) in combination with radiotherapy in patients with newly diagnosed glioblastoma in collaboration with the Adult Brain Tumor Consortium (ABTC)<sup>3</sup>
  - Anticipated to complete patient enrolment mid-2020



<sup>&</sup>lt;sup>3</sup> NCT03250299; the ABTC is funded by the U.S. National Cancer Institute (NCI)



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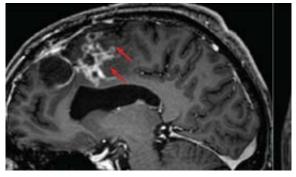
<sup>&</sup>lt;sup>1</sup> NCT02490800

<sup>&</sup>lt;sup>2</sup> NCT02895360

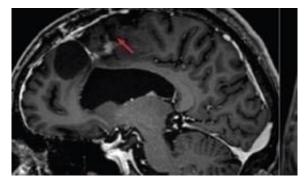
# EB1 — A potential response-predictive clinical biomarker for lisavanbulin

- Strong EB1 staining was observed in a patient with an exceptional response to daily oral lisavanbulin in the phase 1 dose-escalation study in recurrent GBM¹
  - Patient ongoing for >20 months
  - >80% reduction in GBM tumor size
- Potential utility of EB1 and other biomarkers to support a biomarker-driven clinical program, which is currently being planned
- Predictive of response to lisavanbulin in mouse models<sup>2</sup>

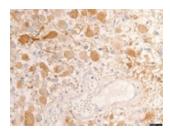
### GBM tumor size reduction in an exceptional responder and EB1 staining of GBM tissue compared to non-responding patients



Baseline (May 2018)



Post Cycle 12 (April 2019)



Responder



Non-responder

<sup>&</sup>lt;sup>1</sup> Lopez et al. Phase 1/2a study of once daily oral BAL101553, a novel tumor checkpoint controller, in adult patients with progressive or recurrent glioblastoma or high-grade glioma. JCO 2019;37:15 suppl, 2025

<sup>&</sup>lt;sup>2</sup> Berges et al. EB1-dependent long survival of glioblastoma cancer stem-like cell tumorbearing mice after oral treatment with the novel tubulin-binding checkpoint activator BAL101553. Eur. J. Cancer 2018, 103, E61-62, A166



**Financials** 

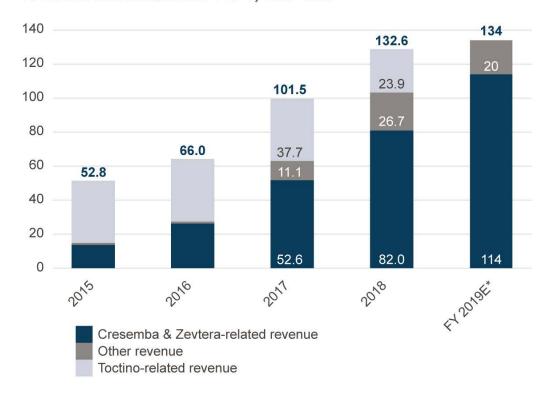


#### **Financials**

In CHF mn	FY 2018 actuals	FY 2019 guidance	FY2019E*	
Total revenue	132.6	128 – 133	134	
thereof: Contributions Cresemba & Zevtera	82.0	105 – 110	114	
Operating loss	24.1	22 – 27		
Net operating cash consumption	79.2	60 – 65		
Cash and financial investments	223.0	-	161	

<sup>\*</sup> The audited full financial statements as well as the annual report 2019 will be published on February 18, 2020. The final audited revenue for 2019 and the cash position as of year-end 2019 may differ from the preliminary reported numbers.

#### Strong increase in Cresemba & Zevtera revenue contributions Y-o-Y, CHF mn





#### **Focus 2019 and 2020**

#### Cresemba® & Zevtera®/Mabelio® Increasing cash-generating revenues By the end of 2021, Cresemba to be on the market in >60 countries

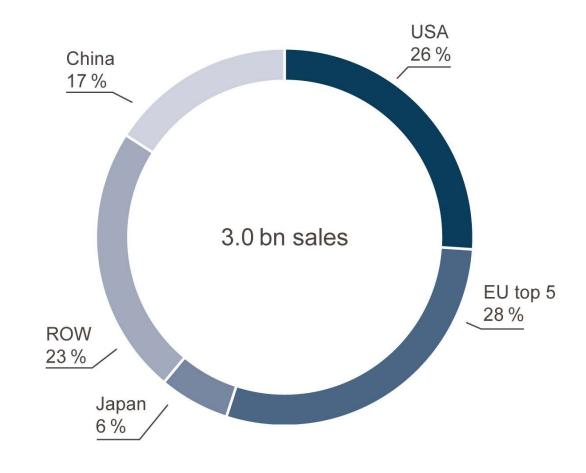
	H1 2019	H2 2019 F	H1 2020 H2 2020
Ceftobiprole		Positive topline results from phase 3 ABSSSI study	
	Positive interim results of phase 2 registrational study in iCCA FGFR2 fusions		patient enrolment in gistrational study in R2 fusions  Topline results from phase 2 registrational study in iCCA FGFR2 fusions
Derazantinib	Extend ongoing phase 2 iCCA study in other FGFR2 gene aberrations		Interim data from iCCA in other FGFR2 gene aberrations
	Clinical supply agreement with Roche in urothelial cancer	✓ Start phase 1/2 study in urothelial cancer	Interim data from first cohort(s) in urothelial cancer
			Plan to start a phase 1/2 study in gastric cancer
		Completed patient enrolment in phase 1 study arm for recurrent glioblastoma (oral)	Plan to start a phase 2 biomarker-driven glioblastoma study (oral)
Lisavanbulin (BAL101553)		Completed interim data review of phase 2a study in ovarian cancer and glioblastoma (48-hr. i.v.)	
			Complete patient enrolment in phase 1 study in newly diagnosed glioblastoma (oral)

# "Patients are at the heart of what we do"

#### **Appendix**

#### Significant sales of bestin-class antifungals in all major regions — Covered by our partnerships

USD 3.0 bn sales of best-in-class antifungals\* (MAT Q3 2019)



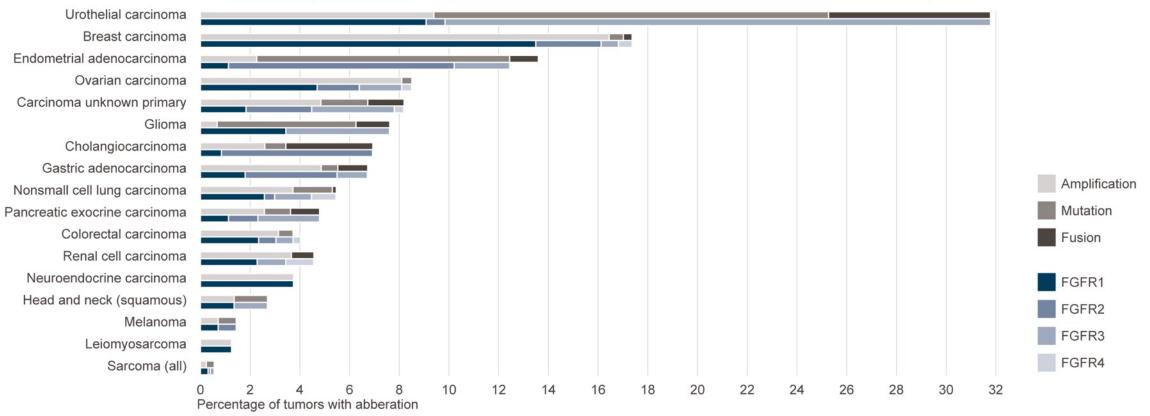
basilea Focused on Growth and Innovation

MAT: Moving annual total; Sales figures in USD, corrected for currency fluctuations; Source: IQVIA, Sept. 2019

<sup>\*</sup> Best-in-class antifungals: isavuconazole, posaconazole, voriconazole, AmBisome, anidulafungin, caspofungin, micafungin

#### Derazantinib — Significant potential beyond iCCA





Source: Helsten et al., Clin Cancer Res. 2016;22:259-67

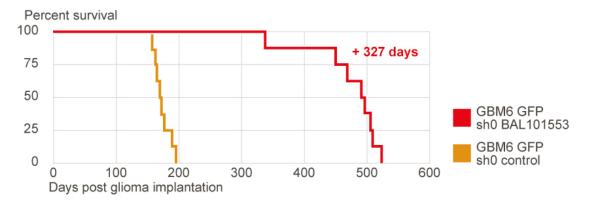


#### EB1 — A potential response-predictive clinical biomarker for lisavanbulin

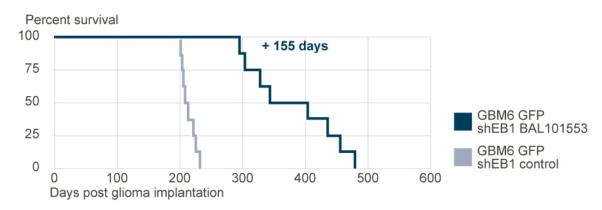
- EB1 (plus-end binding protein)<sup>1</sup> is located on the microtubules and involved in microtubule dynamics
- Predictive of response to lisavanbulin in mouse models<sup>1</sup>

#### Effect of lisavanbulin (BAL101553) on survival in mice with EB1-expressing or EB1 downregulated GBM

#### EB1-expressing GBM



#### EB1-downregulated GBM



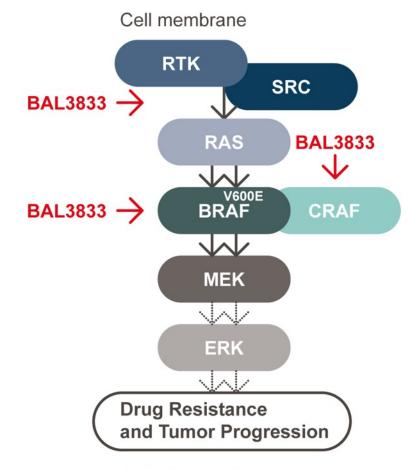
37

<sup>&</sup>lt;sup>1</sup> Berges et al. EB1-dependent long survival of glioblastoma cancer stem-like cell tumorbearing mice after oral treatment with the novel tubulin-binding checkpoint activator BAL101553. Eur. J. Cancer 2018, 103, E61-62, A166



### **BAL3833** — panRAF/SRC kinase inhibitor

- In-licensed novel, oral, small molecule drug from consortium including the Wellcome Trust & Institute of Cancer Research (ICR)
- Resistance-reversal activity in BRAF/MEK inhibitorand immunotherapy-resistant melanoma models
- Potential in diverse non-melanoma tumor types:
  - RAS-driven tumors
  - Expanded biomarker program to aid tumor selection
- Phase 1 dose-escalation study completed<sup>1</sup>
  - Broad dose range investigated, maximum tolerated dose (MTD) was not defined
  - Current formulation not continued based on pharmacokinetic profile
  - Conducting pre-clinical activities to explore alternative formulations

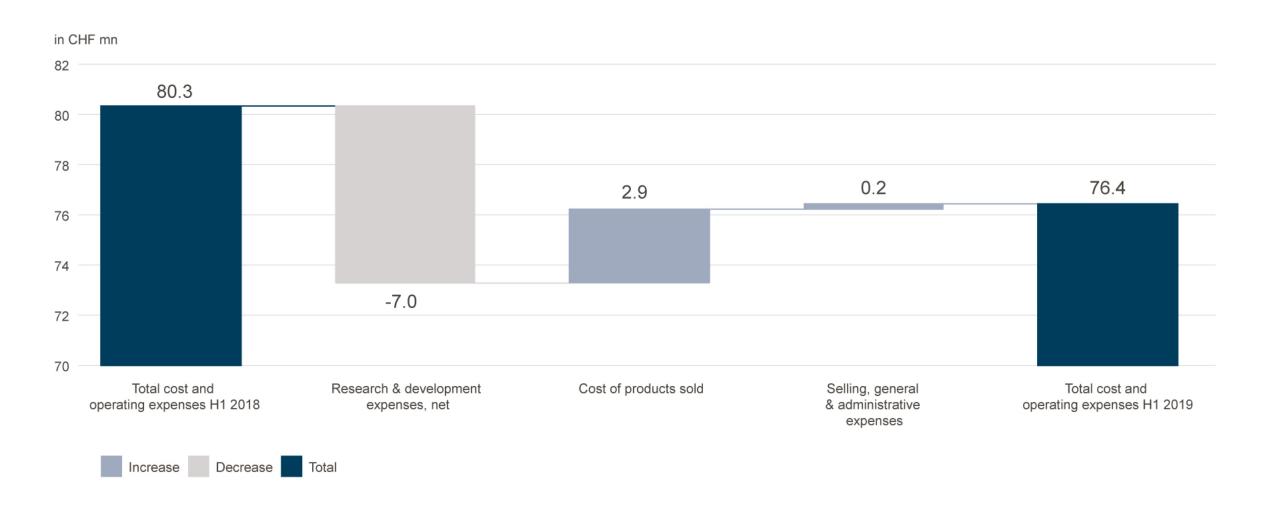


Cell changes in gene expression



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#### Cost and operating expenses H1 2019 versus H1 2018





### Phase 3 study with ceftobiprole in the treatment of patients with SAB



- Design: randomized, double-blind, multi-center
- Enrolment: approximately 390 adult patients (male and female)
- Indications: Staphylococcus aureus bacteremia (SAB), including endocarditis (IE) and other forms of complicated SAB
- Main inclusion criteria: Positive S. aureus
   blood culture and signs & symptoms for SAB
- Intervention: ceftobiprole medocaril i.v.; comparator daptomycin i.v. or daptomycin plus aztreonam to cover Gramnegative bacteria

- Primary endpoint: overall success as assessed by an independent Data Review Committee (DRC) in the treatment of SAB, including IE, at the post-treatment evaluation (PTE) visit (70 days after randomization) in the modified intentto-treat (mITT) population.
- Secondary endpoints: includes all-cause mortality at Day 28 and Day 70 (PTE visit) in the intent-to-treat (ITT) and mITT populations; and time to S. aureus bloodstream clearance



#### **Focused on Growth and Innovation**

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