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## Chi-Med Highlights

### Transforming into a fully integrated pharma



### Deep pipeline approaching approvals

First NDA

June 2017

Breakthrough

**Poc NSCLC data** 

6
Phase III trials
underway/completing

18
Phase Ib/II Pocs
on 8 candidates

### Prolific Discovery Engine

Chemistry Focused

~350 scientific team

8 Clinical Candidates

discovered in-house

2<sup>nd</sup>-gen IO INDs

every 1~2 years

### **Established Commercial Organization**

Pan-China Sales & Marketing

~2,200 medical reps

**Product Launch Ready** 

proven success in new indications

# Potential milestones for late 2017 & early 2018 Data presentations/clinical achievements on multiple candidates



### Savolitinib

- 1. AZ decision on strategy for Phase III registration & potential Breakthrough Therapy in NSCLC in combination with Tagrisso®/Iressa®;
- 2. Molecular epidemiology study (n>300) in PRCC.

### Fruquintinib

- 3. Potential NDA approval & launch in China in third-line CRC;
- 4. Complete enrollment of Phase III FALUCA study in third-line NSCLC;
- 5. Initiate U.S. Phase I bridging study in Caucasian patients.

### **Epitinib**

- 6. Initiate China Phase III study in first-line EGFRm NSCLC patients w/ brain mets;
- 7. Initiate China Phase II study in glioblastoma (primary brain cancer).
- Sulfatinib
- 8. Initiate Phase II expansion study in NET patients in the U.S.

HMPL-523 (Syk)

- 9. Initiate dose expansion proof-of-concept studies in hematological cancer in both Australia & China.
- 10. Potential presentation of prelim. **efficacy data from Phase I/Ib dose escalation / expansion studies in hematological cancer.**

## HMPL-689 (ΡΙ3Κδ)

- 11. Initiate Phase Ib expansion studies in China in hematological cancer patients;
- 12. Present Phase I dose escalation data in Australian healthy volunteers.

## Summary Balance Sheet and P&L





#### 1. Chi-Med Group-level Cash Position

- \$192.5 million available cash as at Jun 30, 2017 (Dec 31, 2016: \$173.7m).
  - ✓ \$112.5m cash & cash equivalents.
  - **◆ \$80.0m unutilized banking facilities** from BAML, DB & HSBC<sup>[1]</sup> held as at Jun 30, 2017.
- \$46.9 million in bank borrowings as at Jun 30, 2017 (Dec 31, 2016: \$46.8m). Weighted avg. total cost of borrowing on outstanding loan 2.8% (H1 2016: 2.4%).
- \$292.0 million from follow-on offering on Oct 30, 2017

#### 2. JV-level Cash Position

- \$88.8 million available cash as at Jun 30, 2017 (Dec 31, 2016: \$91.0m).
  - \$42.6m dividend to Chi-Med Group level in H1

3. Income Statement		
	2016 Actual	2017 Guidance (7/31)
Revenues	216.1	225 - 240
Innovation Platform		
Revenue	35.2	35 - 40
Adjusted R&D expenses (non-GAAP)[2]	(76.1)	(85) - (90)
Commercial Platform		
Sales (consolidated)	180.9	190 - 200
Sales of non-consolidated joint ventures	446.5	480 - 500
Net Income		
One-time property comp. / R&D gain	<b>40.4</b> <sup>[3]</sup>	<b>3 - 16</b> <sup>[4]</sup>
Net income attrib. to Chi-Med (incl. one-time gains)	70.3	35 - 50
Chi-Med Group Costs		
General & admin. expenses (incl. int./tax)	(17.9)	(18) - (19)
Net Income/(Loss) Attributable to Chi-Med	11.7	(13) - (28)

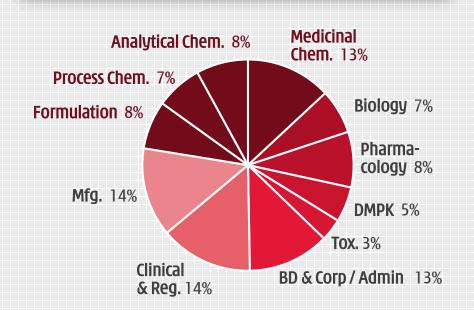


# Exceptional scale for pre-approval biotech Over 16 years with about \$500 million invested to-date



### ~350 SCIENTISTS & STAFF[1]

- ✓ 202 with advanced technical degrees
- **✓ 21 M.D.S**
- √ 51 doctorate degrees



✓ Large-scale fully integrated in-house platform chemistry, biology, pharmacology, DMPK, toxicology, CMC, clinical & regulatory, and translational organizations working together seamlessly and continuously.

### √ China clinical speed

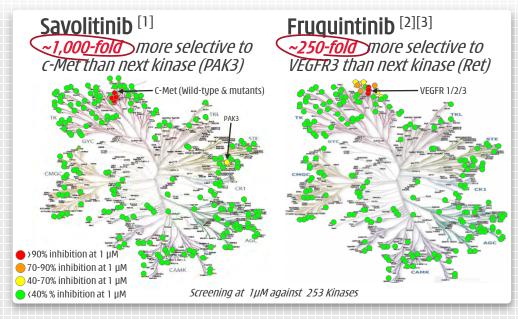
major unmet medical needs (3.4 million new cancer patients / year<sup>[2]</sup>), rapid development and regulatory support. Allows for study of multiple indications and proof-of-concept in China.

- ✓ Competitive costs
  overall clinical costs, particularly pre-PoC, a fraction of US or Europe.
- ✓ Constancy of purposeOver 16 years with stable financial support.

## Chemistry is our edge Seriously selective small molecules

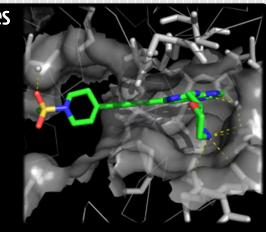


- 1. Fragment-based design of Novel Chemical Entities.
- Internally designed (all 8) clinical drug candidates.
- Use of co-crystal structures.
- Focus on small molecule interactions with tyrosine kinases - proteins/enzymes involved in cell signaling.
- 2. Total focus/discipline in designing and progressing drug candidates with superior kinase selectivity.
- Optimize binding to on-target protein, minimize off-target protein binding.
- No off-target kinase inhibition gives compound the chance to be more potent, attaining better target coverage with less toxicity.
- Combinability clean compounds allow for combinations with other tyrosine kinase inhibitors ("TKIs"), immunotherapy & chemotherapy agents.



# Use of co-crystal structures Focus on small molecule interactions with kinases

- ✓ Optimize binding to ontarget protein, for potency.
- Minimize binding to offtarget proteins for selectivity.



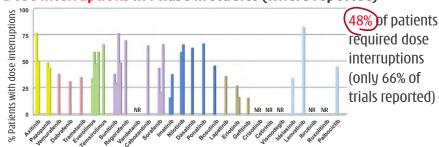
# Superior selectivity = Better tolerability More use = prolonged/total target coverage = better efficacy



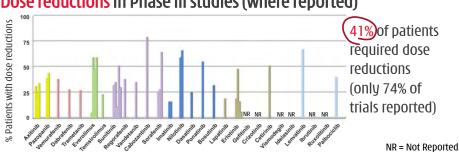
## 3. Better tolerability important for sustained usage... Review of 28 FDA approved small molecule oncology targeted therapies revealed high incidence of toxicity<sup>[1]</sup>

- Pronounced in drugs with narrow therapeutic index (i.e. efficacious dose at or near MTD).
- Combination trials even harder 64% with grade 3-4 toxicities vs. 37% in monotherapy trials.

#### **Dose interruptions in Phase III studies (where reported)**



#### Dose reductions in Phase III studies (where reported)



## 4. ...whereas 1<sup>st</sup> gen. multi-kinase inhibitors require substantial dose modifications (interruptions/reductions).

Drug – targets	<b>2016 Sales</b>	Phase III Study	Dose Interruptions	Dose Reductions
Sunitinib (Sutent®) -VEGFR1,2,3, PDGFRβ, FLT3, CSF-1R, c-Kit, Ret	\$1.10b	1L RCC – Sunitinib vs. placebo	54% vs 39%	52% vs 27% (Gr 3/4 AE: 77% vs 55%)
Sorafenib (Nexavar®) – RAF, VEGFR2, PDGFRβ, Flt3, c-Kit, FGFR1	\$0.87b	1L RCC – Sorafenib Vs. placebo		(Gr 3/4 AE: 38% vs 28%)
Axitinib (Inlyta®) – VEGFR1,2,3, PDGFRα, c-kit	\$0.40b	2L RCC – Axitinib Vs. Sorafenib	Dose Mods: <b>55%</b> vs 62%	34% vs 54%
Pazopanib (Votrient®) - VEGFR1,2,3, c- KIT, ITK, LCK, PDGFRα,β, FGFR1,3, c-Fms	\$0.73b	1L/2L RCC - Pazopanib vs. placebo	42%	36%
Regorafenib (Stivarga®) - VEGFR1,2,3, Raf, Ret, PDGFR, c-Kit	\$0.31b	3L CRC - Regorafenib vs. placebo (CONCUR)	63%	40%
Lenvatinib (Lenvima®) – VEGFR1,2,3, Ret, PDGFR, c-Kit, FGFR1,2,3,4	\$0.20b	DTC – Lenvatinib vs. placebo	82% vs 18%	68% vs 5%
Cabozantinib (Cabometyx®) – AXL, c-Kit, FLT-3, MET, RET, TIE-2, TrkB, VEGFR1,2,3	\$0.14b	2L RCC – Cabozantinib vs. everolimus		62% vs 25%
Savolitinib – c-Met (Ph I/Ib/II)		Several open-label studies	28%	8%
Fruquintinib - VEGFR1,2,3 (FRESCO)		≥3L CRC - Fruquintinib vs. placebo	35% vs. 10%	24% vs. 4%
Fruquintinib – VEGFR1,2,3 (Ph II)		3L NSCLC – Fruquintinib vs. placebo	13% vs. 0%	13% vs. 0%
Sulfatinib - VEGFR 1,2,3, FGFR1		Several open-label studies	34%	17%
Epitinib – EGFR (Ph I/II)		NSCLC w/brain mets - Epitinib (Ph I/Ib)	13%	6%

## 31 active or completing trials on 8 drug candidates Four drug candidates in Ph.III, or about to start



Progran	n	Target	Partner	Study number/Indication	Latest Status	Line	Target patient	Combo therapy	Site	Preclin.	Ph.I	Proof-of-co	oncept Piv	otal/Ph.III
				1. Papillary renal cell carcinoma	Ph.III enrolling	1st	c-Met-driven		Global				*	*
				2. Papillary renal cell carcinoma	NCI Ph.II – savo vs. sunitinib vs. cabozan. vs. crizot.	All	c-Met-driven		US					
			Ą	3. Papillary renal cell carcinoma	Ph.Ib enrolling	-	All	<b>durvalumab</b> (PD-L1)	UK				*	
			straZenec	4. Clear cell renal cell carcinoma	Start when Study 3/5 begin Ph.Ib expansion stage	2nd	VEGF TKI refractory		UK				*	
			ون	5. Clear cell renal cell carcinoma	Ph.Ib enrolling	2nd	VEGF TKI refractory	<b>durvalumab</b> (PD-L1)	UK				*	
Savolitir	nib.		Ze	6. Non-small cell lung cancer	Ph.II expansion enrolling; Pivotal decision 2017	2nd	EGFR TKI refractory	Tagrisso® (T790M)	Global			i	•	
(AZD609		c-Met	Ž	7. Non-small cell lung cancer	Ph.II enrolling; <b>Pivotal decision 2017</b>	3rd	EGFR/T790M TKI	Tagrisso® (T790M)	Global				•	
(NEDOU.			S	8. Non-small cell lung cancer	Ph.II complete; <b>Pivotal decision 2017</b>	2nd	EGFR TKI refractory	Iressa® (EGFR)	China				•	
			نو	9. Non-small cell lung cancer	Ph.II enrolling	1st	c-Met-driven		China				*	
			A	10. Lung cancer	Ph.II enrolling	1st	c-Met-driven		China				*	
			~	11. Gastric cancer	Ph.Ib enrolling	3rd/All	c-Met+		SK/PRC				*	
				12. Gastric cancer	Ph.Ib enrolling	2nd	c-Met+	<b>docetaxel</b> (chemo)	SK				*	
				13. Gastric cancer	Ph.Ib enrolling	2nd	c-Met O/E	<b>docetaxel</b> (chemo)	SK				*	
				14. Colorectal cancer	Ph.III met all endpoints; NDA submitted Jun 2017	3rd	All V		China			l I		•
			-0	15. Non-small cell lung cancer	Ph.III enrolling	3rd	All		China			n/a i		*
Fruguint	inib	VEGFR	Lilly	16 Non-small cell lung cancer	Ph.II enrolling	1st	All	Iressa® (EGFR)	China					*
·		1/2/3	IIN I NINA	17. Caucasian bridging	Ph.I dose escalation start 2017	-	All comers		US					
			UIIIY)	18. Gastric cancer	Ph.III enrolling	2nd	All	paclitaxel (chemo)	China			1	<b>)</b>	*
				10 Denovemble NET	Dh III anyalling	1.4	All		China					ı.
				19. Pancreatic NET	Ph.III enrolling	1st			China					
		/EGFR/		20. Non-pancreatic NET	Ph.II enrolling Ph.I dose escalation enrolling	1st	All comers		China US					^
Sulfatin	ib	CSF1R/		21. Caucasian bridging		2nd			China					4
		FGFR1		22. Medullary thyroid ca.	Ph.II enrolling		Radiotherapy ref.							*
				23. Differentiated thyroid ca.	Ph.II enrolling		Radiotherapy ref. Chemo ref.		China					*
				24. Biliary tract cancer	Ph.II enrolling	ZIIU	CHEIIIO IEI.		China					^
Foitini		CEDm:		25. Non-small cell lung cancer	Ph.III start early 2018	1st	EGFRm+ brain mets		China				•	*
Epitini	D E	GFRm+		26. Glioblastoma	Ph.II start 2017	-			China					*

### 6 pivotal Phase IIIs active or completing, & 4 more planning underway

Oncology Immunology

Notes: \* = when an NDA submission is possible based on the receipt of favorable clinical data: Proof-of-concept = Phase Ib/II study (the dashed lines delineate the start and end of Phase Ib): combo = in combination with: brain mets = brain metastasis: VEGFR = vascular endothelial growth factor receptor; TKI = tyrosine kinase inhibitor; EGFR = epidermal growth factor receptor; NET = neuroendocrine tumors; ref = refractory, which means resistant to prior treatment; T790M= EGFR resistance mutation; EGFRm+= epidermal growth factor receptor activating mutations; EGFR wild-type = epidermal growth factor receptor wild-type; 5ASA = 5-aminosalicyclic acids; chemo = chemotherapy; c-Met+ = c-Met gene amplification; c-Met 0/E = c-Met over-expression; FGFR = Fibroblast Growth Factor Receptor; CSF1R = Colony Stimulating Factor-Receptor 1; NCI = U.S. National Cancer Institute; Aus = Australia; SK = South Korea; PRC = People's Republic of China; UK = United Kingdom; US = United States; Global = >1 countru.

# Next wave of innovation now in proof-of-concept Four novel drug candidates in Phase I/II



Program	Target	Partner	Study number/Indication	Latest Status	Line	Target patient	Combo therapy	Site Preclin.	Ph.I P	roof-of-concept	Pivotal/Ph.III
Theliatinib	EGFR WT		27. Solid tumors	Ph.I dose escalation enrolling (continuing)	-	All comers		China			*
menaumo	The lidding Edik Wi		28. Esophageal cancer	Ph.Ib expansion enrolling	1st	EGFR WT		China	•		*
			29. Rheumatoid arthritis	Ph. I complete; preparing for Ph.II in 2017	-	Methotrexate ref.		Aus	•		*
HMPL-523	Syk		30. Immunology	Ph.I dose escalation start 2017	-	Healthy volunteers		China			*
IIIIIFL-323	Jyk		31. Hematological cancers	Ph.I enrolling; target complete Ph.I 2017	2nd/3rd	All comers		Aus	i <b>→</b>	*	
			32. Lymphoma	Ph.I dose escalation enrolling	-	All comers		China	•	*	
HMPL-689	ΡΙ3Κδ		33. Hematological cancers	Ph.I dose escalation (PK analysis)	-	Healthy volunteers		Aus	•		*
HMPL-087	PIDIO		34. Lymphoma	Ph.I dose escalation start 2017	2nd/3rd	All comers		China			*
HMPL-453	FGFR		35. Solid tumors	Ph.I dose escalation	-	All comers		Aus		*	
IIIMPE 455	1/2/3		36. Solid tumors	Ph.I dose escalation start 2017	-	All comers		China		*	
HM004-659	NF- <sub>K</sub> B	Nestle Health	Ulcerative colitis (Induction)	HMPL-004 reformulation; Re-submit IND 2017	2nd	5ASA refractory		China			*
111-100-4 037	$(TNF-\alpha)$	Science	Ulcerative colitis (Maintenance)	Await positive Ph.II in Ulcerative Colitis (Induction)	2nd	5ASA refractory		China			*
		Nestlē									
NSP DC2	TBD	Health Science	Immunology	Preclinical complete end 2017				China			*
		Science									
Multiple	TBD		Oncology	Four small molecule/antibody programs in preclin.				TBD		*	

~3,100 patients/subjects treated in studies to date on our drug candidates, with over 300 dosed in H1 2017.

Oncology Immunology

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# 10 shots at pivotal success First positive Ph.III outcome - fruquintinib in colorectal cancer



					Breakthrough Therapy ("BTT") potential	Est. Pivotal Read-ou (if not BTT)
	Papillary renal cell carcinoma (MET-driven)	Pivotal Phase III	U.S., EU5	Enrolling	Molecular epidemiology study MET as -ve prognostic H1-2018	2020
SAVO	NSCLC –2L 1 <sup>st</sup> Gen EGFR TKI refract, Tagrisso combo (MET+ , T790M+/-)	Pivotal Phase III			ORR MET+/T790M+ ORR MET+/T790M- 61%	2020
SAVU	NSCLC –3L 3 <sup>rd</sup> Gen EGFR TKI refract. Tagrisso combo (MET+)	Pivotal Phase III	U.S., EU5, Asia	AZ Decision based on Ph.Ib/II data (Nov 2017)	ORR MET+ 33%	2020
	NSCLC –2L 1 <sup>st</sup> Gen EGFR TKI refract, Iressa combo (MET+, T790M-)	Pivotal Phase III	China	AZ Decision based on Ph.Ib/II data (Nov 2017)	ORR MET+/T790M- 52%	2020
	3L (or above) Colorectal cancer ("CRC")	Pivotal Phase III	China	Complete, Met All Endpoints, NDA submitted	$\checkmark$	March 3, 20 <u>17</u>
FRUQ	3L Non-small cell lung cancer ("NSCLC")	Pivotal Phase III	China	Enrolling		H2 2018
	2L Gastric cancer combo with Taxol	Pivotal Phase III	China	Enrolling		2020
SULF	Pancreatic neuroendocrine tumors	Pivotal Phase III	China	Enrolling		Н1 2019
JULF	Non-pancreatic neuroendocrine tumors	Pivotal Phase III	China	Enrolling		H1 2019
EPIT	1L EGFR-mutant NSCLC with brain metastasis	Pivotal Phase III	China	Initiating early 2018		H2 2019

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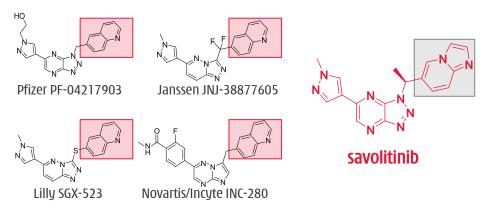
## Savolitinib (AZD6094)

## AstraZeneca 2



### Potential first-in-class selective c-Met inhibitor

- 1. In strong position to become first selective c-MET inhibitor approved.
  - ✓ Clear clinical efficacy observed in **non-small cell lung** ("NSCLC"), kidney, gastric and colorectal cancers.
  - ✓ Partnered with AstraZeneca key comp. advantages in NSCLC (Tagrisso® combo.) & molecular selection.
- 3. Savolitinib design eliminates renal toxicity first generation of selective c-MET inhibitors encountered >460 patients treated to-date with no renal toxicity.



2-quinolinone metabolite in humans in  $1^{st}$  gen c-Met compounds has dramatically reduced solubility and appeared to crystallize in the kidney resulting in obstructive toxicity.

#### 2. c-Met is aberrant in many tumor settings.[3]

		(c-MET)	New Cases (2015)		
Indication	Amplifi- cation	Mutation	Over- Expression	Global	China
Gastric	10%	1%	41%	1,034,000	679,000
Lung (Non-small cell)	8-10%[1]	8%	67%	1,690,000	575,000
Head & Neck		11%	46%	740,000	135,000
Colorectal	10%		65%	1,477,000	376,000
Renal cell Carcinoma (Papillary)	40-70%	100%[2]		50,000	7,000
Renal cell Carcinoma (Clear cell)			79%	270,000	60,000
Esophagus	8%		92%	496,000	251,000

#### 4. AstraZeneca collaboration & 2016 amendment.

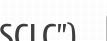
- \$20m paid upfront (Dec 2011);
- \$120m in development/approvals milestones (\$25m paid as of Jun 2017);
- Several hundred million in commercial milestones:
- Development costs: AZ pay 100% ex-China (excl. \$50m by Chi-Med) & 75% development cost in China (Chi-Med 25%).
- 14-18% tiered royalty ex-China; & 30% flat rate China royalty on all product revenues.

### Savolitinib

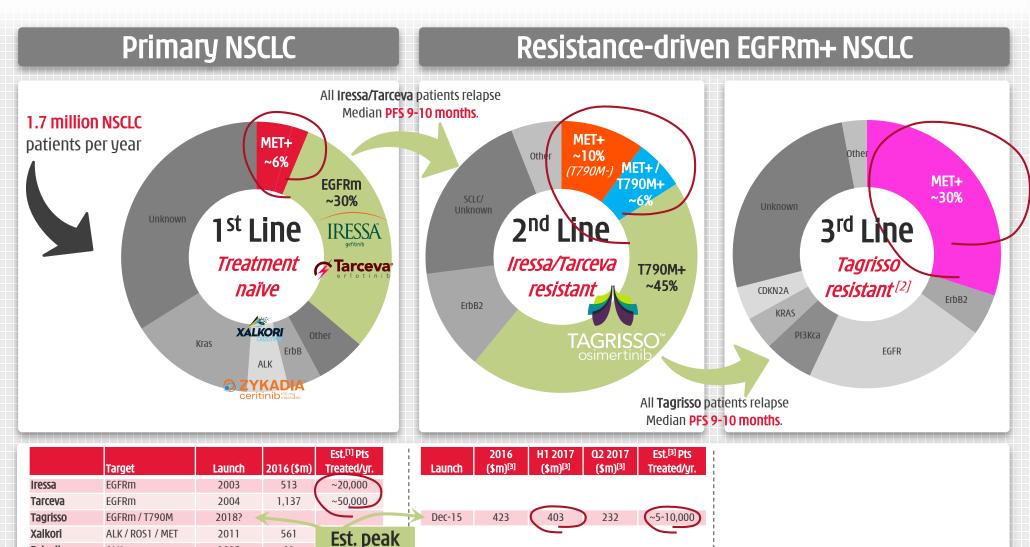
Zykadia

**Total Sales** 

**ALK** 



Biggest opportunity is MET+ non-small cell lung cancer ("NSCLC")



~\$3-4b

91

2.302

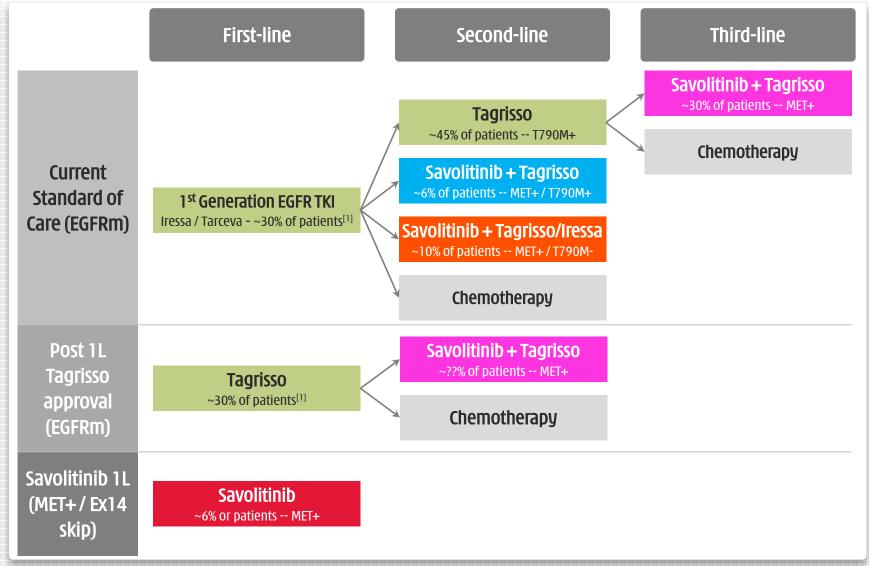
2015

<sup>15 [1]</sup> General estimate based on mPFS ~9 mo. average cost/cycle ~\$2,500-3,000; [2] Based on aggregate rocelitinib/Tagrisso data published at 2016/2017 ASCO; [3] AstraZeneca 2016 /17 results

### Savolitinib - NSCLC

## CHI-MED

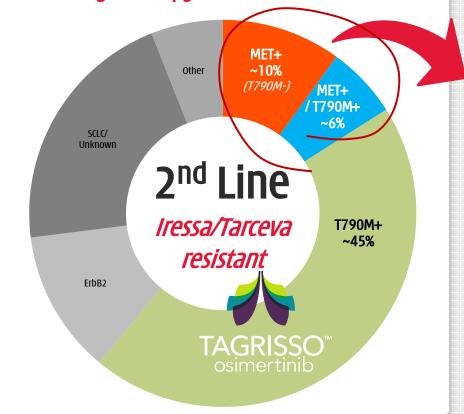
### Five opportunities for savo in NSCLC - Ph.III decisions end 2017



## Savolitinib – 2<sup>nd</sup> Line EGFRm NSCLC Very strong preclinical rationale for combination w/ EGFR-TKIS

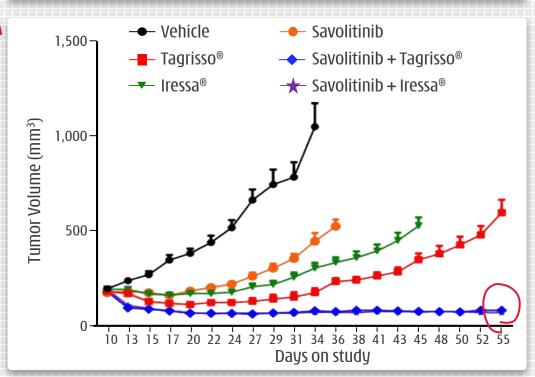


1. 2<sup>nd</sup> Line NSCLC is the fastest & most attractive indication for savolitinib to go after. Also important unmet medical need and potential Breakthrough Therapy area.

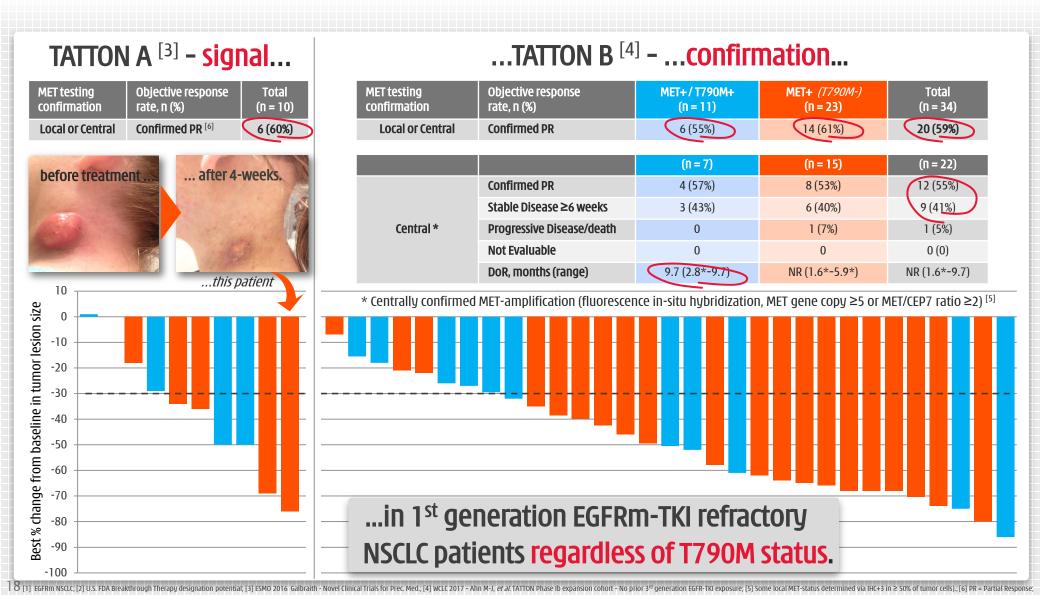


#### 2. Potential in EGFR-TKI resistant NSCLC:

- ✓ Must shut down both EGFRm & MET signaling pathways;
- ✓ Prolonged tumor growth suppression by combining savolitinib with Tagrisso® (osimetinib EGFR/T790M) or Iressa® (gefitinib/EGFR) in MET+ / T790M- patients.



## Savolitinib - 2<sup>nd</sup> Line NSCLC<sup>[1]</sup> combo w/ TAGRISSO CHI-TATTON A/B consistent & compelling data set - Ph.III ready / BTD <sup>[2]</sup> MED



## Savolitinib - 2<sup>nd</sup> Line NSCLC<sup>[1]</sup> combo w/ IRESSA Strong & durable response in MET+ / T790M- patients



treatment beyond 6

14

 0 patients remain on treatment at cut-off<sup>[8]</sup>

months

Months on treatment

### Iressa® / savo combo in 1<sup>st</sup> gen. EGFRm-TKI refractory patients [2]...outstanding response in MET+/T790M-

MET testing confirmation	Objective response rate, n (%)	MET+ / T790M+ (n = 23)	MET+ <i>(T790M-)</i> (n = 23)	MET+ / T790M unk. (n = 5)	Total (n = 51)
	Confirmed PR [3]	2 (9%)	12 (52%)	2 (40%)	16 (31%)
Central *	SD [4] ≥6 weeks	9 (39%)	7 (30%)	2 (40%)	18 (35%)
Central	PD [5] /death	7 (30%)	3 (13%)	0	10 (20%)
	NE	5 (22%)	1 (4%)	1 (20%)	7 (14%)

### ...vs. TATTON B data (savo / tagrisso combo) [6]

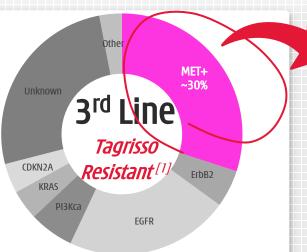
MET testing confirmation	Objective response rate, n (%)	MET+ / T790M+ (n = 11)	MET+ <i>(T790M-)</i> (n = 23)	MET+/T790M unk. (n = 0)	Total (n = 34)
Local or Central	Confirmed PR	6 (55%)	14 (61%)	0	20 (59%)
			\		
		(n = 7)	(n = 15)	(n = 0)	(n = 22)
	Confirmed PR	4 (57%)	8 (53%)	0	12 (55%)
Central *	SD ≥6 weeks	3 (43%)	6 (40%)	0	9 (41%)
Central "	PD/death	0	1 (7%)	0	1 (5%)
	NE	0	0	0	0 (0)
					[0]

<sup>\*</sup> Centrally confirmed MET-amplification (fluorescence in-situ hybridization, MET gene copy ≥5 or MET/CEP7 ratio ≥2) [9].

## ...Iressa® combo - 6mo. DoR 7 in MET+/T790M-patients 12 patients had PRs 7 patients were on MET+ treatment beyond 6 months • 7 patients remain on treatment at cut-off[8] MET+/T790M+ 2 patients show PRs 3 patients were on

## Savolitinib - 3<sup>rd</sup> Line NSCLC<sup>[1]</sup> - TAGRISSO<sup>™</sup> resistant CHI-MET+ driven resistance in ~30% of patients

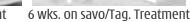




3 out of 3 MET+ patients responded



to savo/Tagrisso® combo.



#### Tagrisso® resistant tissue & ctDNA analysis [2]





Pt	EGFR mutation	# Prior Therapies	Prior 3 <sup>rd</sup> gen TKI	TISSUE (NGS, FISH)	PLASMA CTDNA (NGS)
1	L858R	1		<i>MET</i> amp, T790 WT	<i>MET</i> amp, T790M ND
2	Del19	1		-	T790M ND
3	Del19	2	Υ	-	T790M ND
4	L858R (de novo T790M)	2	Υ	<i>MET</i> amp, <i>EGFR</i> amp T790M (germline)	-
5	L858R	3	Υ	T790wt, <i>EGFR</i> amp	T790M ND
6	L858R	4	Y	T790 WT	T790M ND
7	Del19	3	Υ	-	T790M ND
8*	Del19	3		T790M/C797S	T790M/C797S
9	L858R	4	Υ	T790 WT	-
10	Del19	3	Υ	-	<i>PIK3CA</i> E545K, <i>PIK3CA</i> amp, T790M ND
11	Del19	2	Υ	<i>MET</i> amp, <i>EGFR</i> amp, T790 WT	T790M ND
12	Del19	2	Υ	-	T790M/C797S
13	Del19	9		T790 WT	-
7	Del19	2	Υ	T790 WT	T790M ND
1	Del19	1		T790 WT	<i>FGFR1</i> D60N, <i>FGFR1</i> amp, T790M ND
16	L858R	2		<i>MET</i> amp, T790 WT	<i>MET, EGFR</i> amp, T790M ND
17	L858R	3	Υ	T790 WT	T790M ND
18	Del19 (de novo T790M)	3		SCLC, T790 WT	T790M ND, <i>EGFR</i> amp
19	Del19	3	Υ	T790 WT	T790M/C797S, <i>MET</i> amp, <i>EGFR</i> amp
20	L858R	2		<i>MET</i> amp, <i>EGFR</i> amp, T790 WT	-
21	L858R	3		-	T790M/C797S, <i>EGFR</i> amp
22*	L858R	1		MET amp, T790 WT	-
23	Del19	4	Υ	-	T790M/C797S

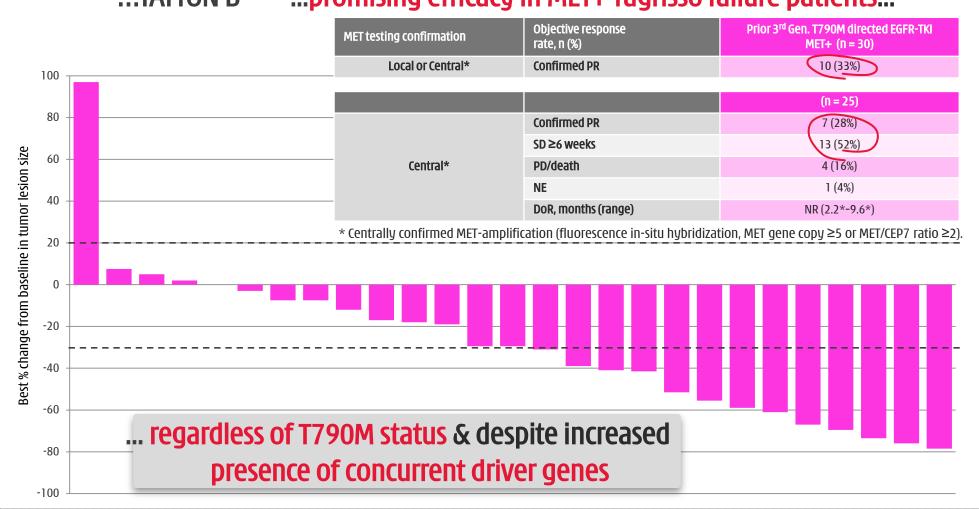
## Savolitinib - 3<sup>rd</sup> Line NSCLC<sup>[1]</sup> combo w/ TAGRISSO osimertinib





### Currently no effective treatment options post Tagrisso® failure

### ...TATTON B [2] - ...promising efficacy in MET+ Tagrisso failure patients...









# Safety - savolitinib plus IRESSA or TAGRISSO Adverse event profiles of combinations - manageable & tolerab

lerable (	N
Ierable (	IV

	IPASS P 1 <sup>st</sup> -Line EG			FLAURA Phase III 1st-Line EGFRm NSCLC			AURA3 2 <sup>nd</sup> -Line E0	
Grade ≥3 AEs, Preferred term, n %)*	IPASS Iressa® (N=607)	IPASS carbo. + Taxol® (N=589)	Phase Ib/II <sup>[2]</sup> Savo + Iressa® (N=51)		Tagrisso® (N=279)	Iressa® or Tarceva® (N=277)		Tagrisso® (N=279)
Any Grade ≥3 AE	29% (Gr. 3-4)	61% (Gr. 3-4)	17 (33%)		94 (34%)	124 (45%)		63 (23%)
Vomiting	1 (<1%)	16 (3%)						1 (<1%)
Rash	19 (3%)	5 (1%)				13 (5%)		2 (1%)
AST/ALT increase			8 (16%)		3 (1%)	33 (12%)		6 (2%)
Nausea	2 (<1%)	9 (1%)	1 (2%)					2 (1%)
Decreased appetite					7 (3%)	22 (8%)		3 (1%)
Fatigue								3 (1%)
Neutropenia	22 (4%)	387 (67%)						4 (1%)
ALP increased			11 (22%)					
Neurotoxic effects	2 (<1%)	29 (5%)						
Anemia	13 (2%)	61 (11%)						2 (1%)
Leukopenia	9 (1%)	202 (35%)						
Thrombocytopenia								1 (<1%)

AURA3 I	Phase III	
2 <sup>nd</sup> -Line EG	FRM NSCLC	
Tagrisso®	plat. + Alimta®	Sā

Tagrisso® (N=279)	plat. + Alimta® (N=136)	TATTON B <sup>[1]</sup> Savo + Tagrisso® (N=66)
63 (23%)	64 (47%)	33 (50%)
1 (<1%)	3 (2%)	5 (8%)
2 (1%)		4 (6%)
6 (2%)	2 (2%)	4 (6%)
2 (1%)	5 (4%)	3 (5%)
3 (1%)	4 (3%)	3 (5%)
3 (1%)	1 (1%)	3 (5%)
4 (1%)	16 (12%)	3 (5%)
2 (1%)	16 (12%)	
	5 (4%)	
1 (<1%)	10 (7%)	

Sources: [1] Figures where any grade AE ≥10% patients. Ahn M-J, et al. Abstract #8985. Presented at the World Lung Cancer Congress (WCLC) 2017, Japan, October 2017. [2] Figures where any grade AE ≥10% patients. Yang J-J, et al. Abstract #8995. Presented at WCLC 2017, Japan, October 2017. WBC = white blood cell. ALP = alkaline phosphatase.

### Savolitinib - 1<sup>st</sup> Line NSCLC

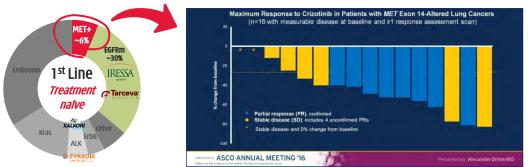
### Xalkori® (crizotinib) proof-of-concept in Exon 14 skip 1L NSCLC



1. Xalkori® is a multi-kinase inhibitor with ALK, ROS1, & MET inhibition – savolitinib is uniquely selective and 10x more potent against c-Met.

IC <sub>50</sub> (nM)	Savolitinib	Xalkori® (crizotinib)	Savolitinib vs. Xalkori®
EBC1 Viability	2	19	10x
EBC1 pMET	1	39	40x
293T MET (wild type)	7	79	11x
293T MET (Ex14del)	9	140	16X

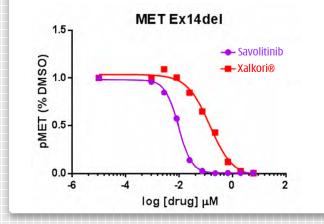
2. 1<sup>st</sup> line NSCLC - Xalkori® MET Exon14 skipping - 2016 ASCO - strong response ( $\sim$ 50% ORR) but >1/3<sup>rd</sup> of responses not durable (4/12)<sup>[1]</sup>.



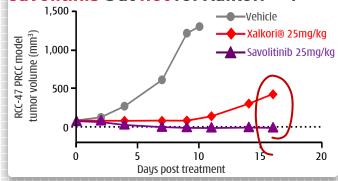
3. Multi-center retrospective analysis of 148 pts. w/ NSCLC MET Exon14 [2]

	MET Exon14 skipping:			iology of never-expos		
	Exposed to c-MET TKI	Never exposed to c-MET TKI		With concurrent	Without concurrent	
No. of pts	27	34		c-MET amplification	c-MET amplification	
Median OS	24.6 months	8.1 months —	Median OS	5.2 months	10.5 months	
				P=0.06		

4. Savolitinib versus Xalkori® in MET Ex14del mutant cells<sup>[3]</sup> - better target coverage.



5. Durable tumor cell suppression for savolitinib but not for Xalkori<sup>®[4]</sup>.



### MET+ PRCC - unmet medical need



### 1. No treatment choices for non-ccRCC patients.

### Approved therapies in RCC [3]

Good efficacy in ccRCC; Multiple treatment options

FIRST LINE – clear-cell RCC [4]	ORR	mPFS	mos
Placebo (avg. multiple studies)	~2%	~3.5	~15.0
Interferon-α	6%	5.0	21.8
<b>Nexavar®</b> (VEGFR, multi-kinase SM) (avg. multiple studies)	~12%	~6.0	~21.0
<b>Sutent®</b> (VEGFR, multi-kinase SM) (avg. multiple studies)	~28%	~10.5	~27.0
<b>Votrient®</b> (VEGFR, multi-kinase SM)	31%	10.5	28.4
SECOND LINE – clear-cell RCC			
Placebo (avg. multiple studies)	~0%	~2.0	~14.0
<b>Afinitor®</b> (mtor). <i>(Meteor)</i>	3%	3.9	16.5
<b>Afinitor®</b> (mTOR). <i>(CheckMate025)</i>	5%	4.4	19.6
<b>Inlyta®</b> (VEGFR, multi-kinase SM)	23%	8.3	20.1
<b>Opdivo®</b> (PD-1 mAb). <i>(CheckMate025)</i>	25%	4.6	25.0
Cabometyx® (VEGFR/MET, multi-kinase SM). (METEOR)	17%	7.4	21.4

### Nothing approved in non-ccRCC

NCCN guideline - "Patients should enter clinical trials"

FIRST LINE – non clear-cell RCC	ORR MPFS MOS
<b>Sutent®</b> (VEGFR, multi-kinase SM) <sup>[4]</sup>	9% 6.1 16.2
<b>Afinitor®</b> (mTOR) <sup>[4]</sup>	9% (6.1) 16.2 3% (4.1) 14.9
SECOND LINE – non-clear-cell RCC	
<b>Sutent®</b> (VEGFR, multi-kinase SM) <sup>[4]</sup>	10% (1.8) na 9% (2.8) na
<b>Afinitor®</b> (mTOR) [4]	9% 2 <u>.8</u> na

2. RCC est. ~\$3.3 bln. market by 2020 [1]

Clear-cell RCC (~\$2.7b)
~80% of RCC

~ 270k new patients/yr.[2]

Non-Clear-cell RCC (~\$0.6b) ~20% of RCC

~ 70k new patients/yr.[2]

3. Two crucial questions:

MET+
Papillary RCC
(~\$0.2-0.3b)

~7% of RCC
~ 25k new patients/yr.[2]

METPapillary RCC
(~\$0.2-0.3b)

~7% of RCC
~ 25k new patients/yr.<sup>[2]</sup>

Other non-ccRCC (~\$0.1-0.2b)
~5% of RCC

Answer: Phase II
data (next page)

Question 2: Is

**Question 1: Does** 

savolitinib provide meaningful benefit

to patients w/ MET+

PRCC?

MET+ status predictive of worse outcome (PFS/OS) in PRCC patients?

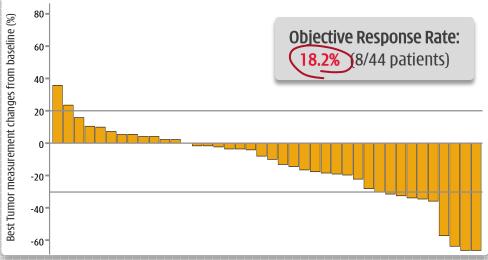
Answer: >300 pt.
PRCC Molecular
Epidemiology Study
(late 2017 readout).

~ 20k new patients/yr.<sup>[2]</sup>

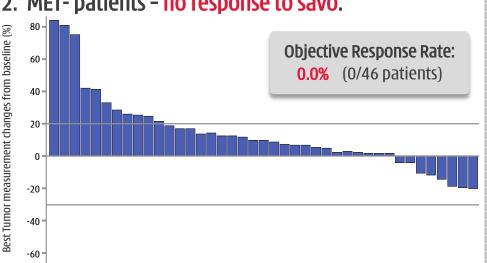
## Savolitinib - PRCC Phase II Clear efficacy & durable response in MET+ PRCC patients







### MET- patients - no response to savo.



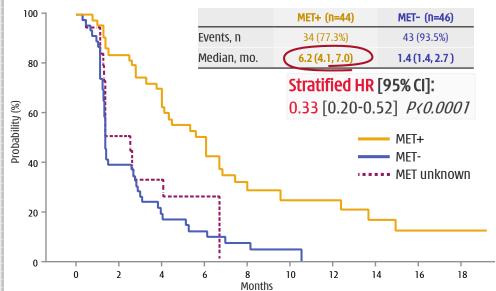
### 3. Disease Control Rate ("DCR") - big advantage in MET+ with OCR 73.2% vs. MET- 28.2%.^

Tumor responses in the overall treatment population and by MET status

RECIST response, n (%)	MET+ (n=44)	MET- (n=46)	MET unknown (n=19)	Total (n=109)
Partial Response <sup>†</sup>	8 (18.2%)*	0 (0.0%)	0 (0.0%)	8 (7.3%)
Stable Disease	22 (50.0%)	11 (23.9%)	5 (26.3%)	38 (34.9%)
Progressive Disease	11 (25.0%)	28 (60.9%)	9 (47.3%)	48 (44.0%)
Not Evaluable	3 (6.8%)	7 (15.2%)	5 (26.3%)	15 (13.8%)

<sup>\*</sup>P=0.002 versus MET-independent subgroup (Fisher exact test). Responses assessed according to RECIST version 1.1. †Unconfirmed responses excluded. ^ evaluable patients

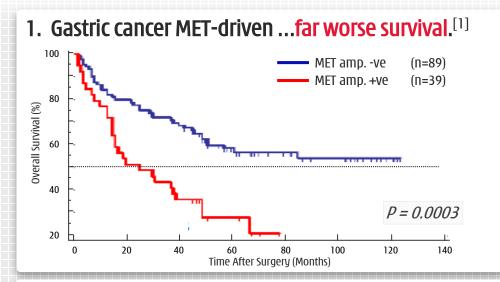
### 4. Median PFS - big advantage in MET+ patients.

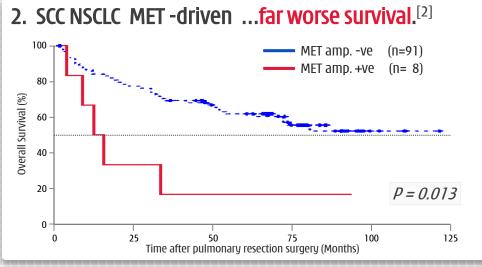


### MET-driven disease

### A predictor of very poor patient outcome in many cancers

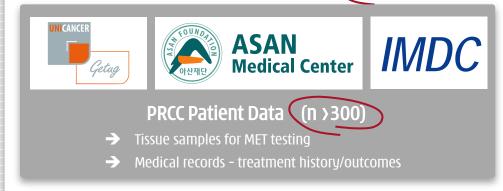






#### 3. PRCC Molecular Epidemiology Study ("MES") Plan:

- → A pooled analysis of historical data to correlate MET-driven PRCC status with documented historical treatment outcomes.
- → 3 collaborations GETUG<sup>[3]</sup> (France); IMDC<sup>[4]</sup> (N. America, EU, Asia, New Zealand); & Asan GU (Korea). Total >300 patient data.
- → Timing MES to be conducted Results H1 2018.



#### 4. How we will use the MES data set?

- Possible Breakthrough Therapy discussion with clear evidence that c-MET-driven PRCC has far worse treatment outcome/survival than MET-independent.
- → Clarity on PFS/OS treatment outcome of MET-driven patients how do MET-driven PRCC patients (vs. MET-independent) respond to sunitinib and other approved RCC therapies.

[1] c-MET amplification: gene copy number of ≥4. J Shi et al. Frequent Gene Amplification Predicts Poor Prognosis in Gastric Cancer. Int. J. Mol. Sci. 2012, 13, 4714-4726; [2] SCC NSCLC = squamous cell carcinoma non-small cell lung cancer. (~20-30% of NSCLC) -- c-MET gene amplification: >15 copies in >10% of tumor cells with 4-10 copies in a gene cluster. H Go et al. High MET Gene Copy Number Leads to Shorter Survival in Patients with Non-Small Cell Lung Cancer. J. Thorac. Oncol. 2010, 5, 303-313.; ]

[3] GETUG = Groupe d'Étude des Tumeurs Urogénitales; [4] IMDC = International Metastatic Renal Cell Carcinoma Database Consortium.

# Savolitinib - PRCC Phase II Safe & very well tolerated -advantage over other RCC TKIs<sup>[7]</sup>



		PRCC PHASE II Savolitinib	COMPARZ F	HASE III [1] Pazopanib	METEOR PH	IASE III <sup>[2]</sup> Everolimus	SINGLE-ARM PHASE III [3] Sunitinib	
		1L/2L (n=109)	1L (n=548)	1L (N=554)	2L (n=331)	2L (N=322)	2L (n=106)	
MSKCC Risk Group	Favorable Intermediate Poor Missing	14% 45% 9% 32%	27% 59% 9% 4%	2 <u>7%</u> 58% 12% 3%	45% 42% 12% 0%	46% 41% 13% 0%	58% 42% <sup>[6]</sup> 0%	Better safety data despite higher risk patient population:  ✓ Only 14% "favorable" vs. 27-58%.
Number of prior systemic therapies	0 1 ≥2	55% 23% 22%	100% 0% 0%	100% 0% 0%	0% 71% 29%	0% 70% 30%	0% 100% 0%	
Grade ≥3 AEs:	Any AE Any treatment-related AE [4]	19%	77% <sup>[5]</sup>	76% <sup>[5]</sup>	68%	58%		
All Grade≥3 AEs with ≥5% incidence (AND selected savolitinib AEs for comparison)  Hematologic Abnormalities Grade≥3 AEs with ≥5% incidence:	Hypertension Fatigue Hand-foot-syndrome Diarrhea  Neutropenia Thrombocytopenia Lymphocytopenia Leukopenia Anemia	TR ĀES  0%  2%  0%  0%  0%  0%  0%  0%  1%	TRAES 15% 17% 12% 8% 20% 24% 14% 6% 7%	TR AES 15% 11% 6% 9% 5% 4% 5% 11%	All AES 15% 9% 8% 11% 0% 0% 0% 0% 5%	All AES  3%  7%  <1%  2%  0%  0%  0%  0%  16%	6% 11% 7% 16% 6%	Superior safety profile vs. other TKIs - Most ≥3 G3 AEs ≈ 0-2%:  ✓ Hypertension: 0% vs. 6~17%.  ✓ Fatigue: 2% vs. 6~12%.  ✓ Diarrhea: 0% vs. ~10%.  ✓ Anemia: <1% vs. 7~16%.
Lab Abnormalities Grade≥3 AEs with ≥5% Incidence:	Increased ALT Increased AST Hypophosphatemia Hyponatremia Hypokalemia Hyperglycemia	5% 3% 0% 3% 0% 0%	4% 3% 9% 7% 1% 4%	17% 12% 4% 7% 3% 5%	2% 2% 4% 0% 5% <1%	(1% (1% 2% 0% 2% 5%		<ul> <li>≈ ALT/AST Increase: 3-5% vs. 0~17%.</li> <li>✓ Other Lab Abnorm: 0% vs. ≤9%.</li> <li>Highly tolerable vs. other TKIs:</li> </ul>
Tolerability	Treatment discontinuation due to any AE:  Dose reduction due to AE:	8%	20 <u>%</u> 51 <u>%</u>	2 <u>4</u> % 4 <u>4</u> %	12%	11%	11%	<ul> <li>✓ Discontinued: 8% vs. 10~24%.</li> <li>✓ Dose reduction: 13% vs. 44-62%.</li> </ul>

<sup>[1]</sup> RJ Motzer et al, Pazopanib versus Sunitinib in Metastatic Renal-Cell Carcinoma, N Engl J Med 369;8, Aug 22, 2013; [2] TK Choueiri et al, Cabozantinib versus everolimus in advanced renal cell carcinoma (METEOR), Lancet Oncol.17;7, Jun 5, 2016; [3] RJ Motzer et al, Sunitinib in Patients with Metastatic Renal Cell Carcinoma, JAMA 295;21 Jun 7, 2006; [4] As assessed by investigator; [5] Includes Grade 5AEs; [6] Includes Intermediate & Poor. TR AEs = Treatment-Related Adverse Events; [7] RCC = Renal Cell Carcinoma, TKIs = Tyrosine Kinase Inhibitors.

### Savolitinib - Gastric cancer

### A major problem in east Asia – Japan, South Korea & China

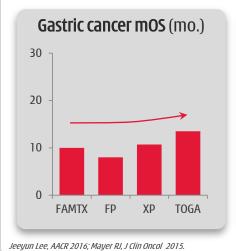


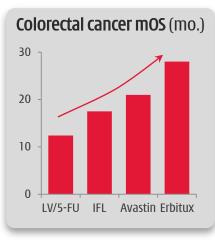
1. Gastric (stomach) cancer is the 5<sup>th</sup> most common cancer globally – 723,000 deaths/year.

	Est. Age Standardised Rates (cases/100,000)	New cases ('000)	Deaths ('000)	5-year Prevalence ('000)
World	17.0	952	723	1,538
South Korea	41.8	22	17	32
Japan	29.9	38	29	56
China	22.7	405	325	594
EU-28	9.0	82	58	119
USA	6.8	21	12	32

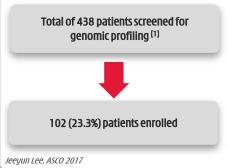
Jeeyun Lee, AACCR 2016; IARC, WHO 2012; Jung KW, Cancer Research Treatment 2013; World Cancer Research Fund International.

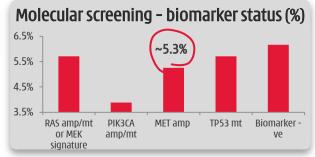
## 2. Little progress in gastric cancer<sup>[2]</sup> in improving overall survival ("OS") in first-line palliative setting.

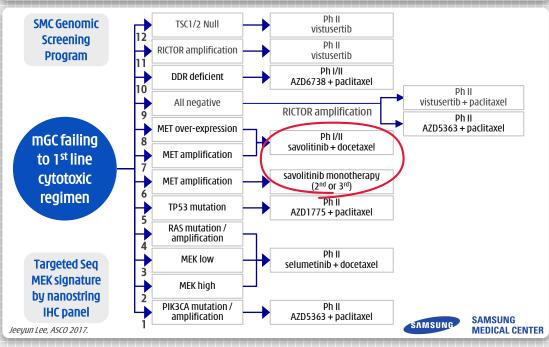




### 3. VIKTORY – umbrella trial in gastric cancer *(South Korea).*



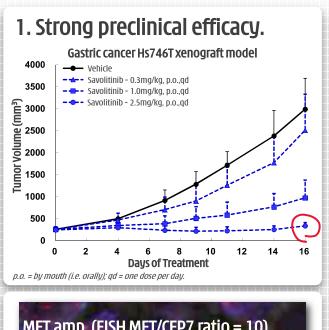


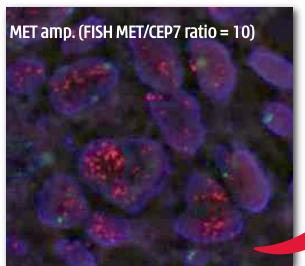


## Savolitinib - Gastric cancer



VIKTORY trial - very promising early clinical results in MET+ ptnts.





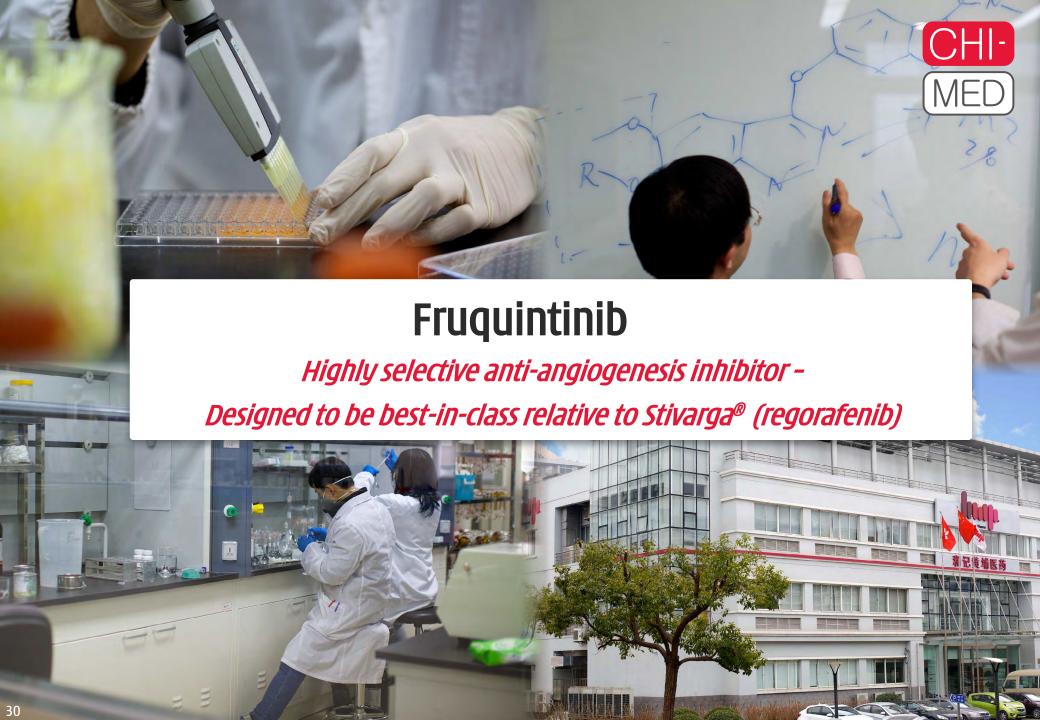
2. VIKTORY trial – 34-year old male; surgery ruled-out; failed 4-cycles XELOX.



Jeeyun Lee, AACR 2016.



Jeeyun Lee, AACR 2016



## Fruquintinib - 24hr full target coverage



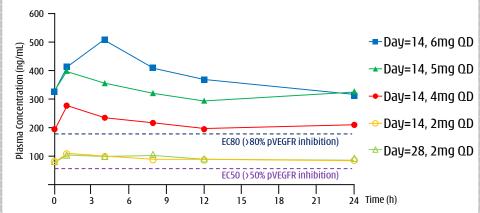


### The most selective VEGFR inhibitor in clinical trials globally [1]

## 1. Substantial progress made in 2016 - fruquintinib China NDA submission June 2017.

- ✓ Validation of R&D approach designed to only inhibit VEGFR1,2,3, facilitating **full target coverage & combinations**.
- ✓ Pivotal Phase III in 3L CRC met all endpoints NDA submitted.
- ✓ **Pivotal Phase III in 3L NSCLC well underway** since Q4'15 initiation.
- ✓ Pivotal Phase III Taxol® combo in 2L gastric cancer initiated Oct 2017.
- ✓ Phase II Iressa® combo in 1L EGFRm+ NSCLC ongoing / early data at WCLC 2017.
- ✓ China GMP **production facility operational** to support launch.

## 2. Only inhibits VEGFR – limits off-target toxicity & allows for full & sustained target inhibition.



### 3. Selectivity and potency superior to competitor drugs.

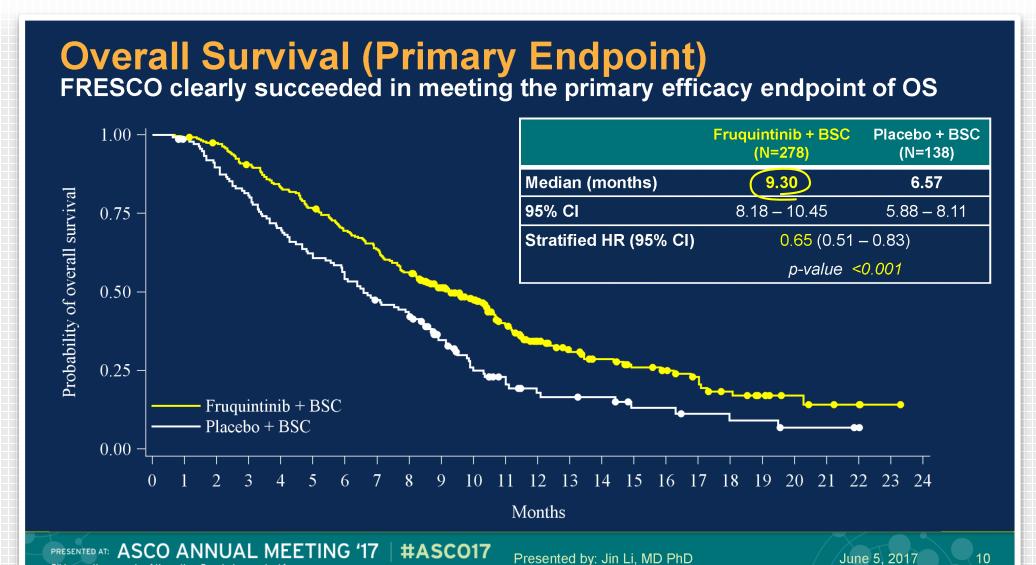
	Sutent® (sunitinib)	Nexavar® (sorafenib)	Stivarga® (regorafenib)	Tivozanib	Fruquintinib
Kinase profile	VEGFR1,2,3, PDGFRβ, FLT3, CSF-1R, c-Kit, Ret	RAF, VEGFR2, PDGFRβ Flt3, c-Kit, FGFR1	VEGFR1,2,3, Raf, Ret, PDGFR, c- <u>Kit</u>	VEGFR1,2,3, BRK, PDGFRα, PDGFRβ, c-Kit, Tie2, EphB2	VEGFR1,2,3
AUC at ED50/ED60 in mouse (ng/mL*hr)	2,058	25,473	na	1,640	898
MTD in human (mg/day)	50, qd	400, bid	160, qd	1.5, qd	4, qd; 6, 3wk/1wk
AUC, 0~24h at Steady state MTD (ng/mL*hr)	592	47,780 x2 (D28)	58,270 (D21)	1,180 (D28)	5,000~ <u>6,000</u> (D28)
Efficacy in Phase I	22 patients PR: 4 (18%), DCR: 27%	45 patients <sup>[2]</sup> PR: 1 (2%), DCR: 58%	53 patients PR: 3 (6%), DCR: 66%	37 evaluable patients PR: 1 (3%) DCR: 51%	34 evaluable patients PR: 13 (38%), DCR: 82%

## Fruquintinib - Third-line colorectal cancer





Best-in-class efficacy/safety - Ph.III FRESCO data ASCO 2017 [1]







## Fruquintinib - FRESCO efficacy in 3L CRC

	Fruquintinib		Regoraf	enib	Reg	orafenib	Regorafenib	
Third-Line Metastatic Colorectal cancer	FRES	FRESCO		CONCUR		CONCUR		ECT
	Mainland China		Chinese Patients (Mainland China, Hong Kong, Taiwan) <sup>[1]</sup>		Mainland China, Hong Kong, Taiwan, Vietnam, South Korea		Global	
Treatment arms	Fruquintinib	Placebo	Regorafenib	Placebo	Regorafenib	Placebo	Regorafenib	Placebo
Patients (n)	278	138	112	60	136	68	505	255
Complete Response, n (%)	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Partial Response, n (%)	4.3%	0.0%	3.6%	0.0%	4.4%	0.0%	1.0%	0.4%
Stable Disease, n (%)	57.6%	12.3%	40.2%	6.7%	45.6%	7.4%	42.8%	14.5%
Disease Control Rate, n (%)	62.2% +49.	<b>9</b> 12.3%	45.5% (+38)	<u>.8</u> 6.7%	51.5%	<del>+44.1</del> 7.4%	41.0% (+26.	14.9%
Median Progression Free Survival (mPFS) (mo.)	3.7 +1.9	1.8	2.0 +0.	3 1.7	3.2	+1.5 1.7	1.9 +0.2	1.7
mPFS p-value	(0.0	01	not publ	shed	<	0.0001	<0.000	001
mPFS Hazard Ratio	0.2	6	0.32			0.31	0.49	9
Median Overall Survival (mOS) (mo.)	9.3 +2.7	6.6	8.4 +2.	2 6.2	8.8	+2.5 6.3	6.4 +1.4	5.0
Miculan Overan Survival (11103) (1110.)	7.3	0.0			0.0	0.0		
mOS p-value	(0.0)	01	not publ	ished	(	0.0002	0.00!	52
mOS Hazard Ratio	0.6	5	0.56			0.55	0.77	7

- Good fruquintinib efficacy over regorafenib in Chinese patients specifically in terms of Disease Control Rate; median Progression Free Survival and median Overall Survival.
- FRESCO is a fully-powered Phase III registration study (n=416) whereas CONCUR was an under-powered Asia region study (n=204, including only 129 mainland Chinese patients<sup>[2]</sup>).
- CONCUR results should be regarded as directional only China approval resulted from CORRECT study (n=760).

# Fruquintinib - FRESCO safety in 3L CRC High VEGFR selectivity - lower off-target AEs & more tolerable







Third-Line Metastatic Colorectal cancer ≥G3 AEs in >4% of Patients	FRE	intinib ESCO nd China	Regora CONC Chinese Patients ( Hong Kong,	CUR Mainland China,
Treatment arms	Fruquintinib	Placebo	Regorafenib	Placebo
Patients (n)	278	138	112	60
≥G3 AE (Safety population)	61.1%	19.7%	69.6%	46.7%
SAE (Safety population)	15.5%	5.8%	31.3%	26.7%
VEGFR on-target related AEs:				
Hypertension ≥G3	21.2%	2.2%	12.5%	8.3%
Hand Foot Syndrome (Palmar-plantar), ≥G3	10.8%	0.0%	17.0%	0.0%
Off-target (i.e. non-VEGFR) related AEs:				
Hypophosphatemia, ≥G3	0.0%	0.0%	8.0%	0.0%
Hypokalemia, ≥G3	0.7%	0.7%	6.3%	0.0%
Rash/desquamation, ≥G3	0.0%	0.0%	4.4%	0.0%
Lipase increase, ≥G3	0.0%	0.0%	6.3%	1.7%
Hepatic function (Liver function) AEs:				
ALT increased, ≥G3	0.7%	1.5%	7.1%	3.3%
AST increased, ≥G3	0.4%	0.7%	8.9%	0.0%
Blood bilirubin increased, ≥G3	1.4%	1.5%	8.9%	8.3%
NOTE: Baseline Characteristics Liver metastasi	s <b>6</b> 6.5%	73.9%	na	<u>na</u>
Tolerability:				
AE Leading to dose interruption	35.3%	10.2%	68.8%	25.0%
AE Leading to dose reduction	24.1%	4.4%	23.2%	0.0%
AE Leading to treatment discontinuation	15.1%	5.8%	14.3%	6.7%

BIOCHEMICAL ACTIVITY	Fruquintinib	Regorafenib
	IC <sub>so</sub> (nmol/L)	IC <sub>so</sub> (nmol/L)
On-Target Kinases:		
VEGFR1	33	13
VEGFR2	35	4.2
VEGFR3	0.5	46
Off-Target Kinases:		
Ret	128	1.5
FGFR1	181	202
c-kit	458	$\overline{7}$
PDGFRβ	>10,000	22
RAF-1	>10,000	2.5
B-RAF	>10,000	28
B-RAF <sup>V600E</sup>	>10,000	$\bigcirc 19$

#### Regorafenib liver toxicity Black-box warning:

- → Increased liver function test monitoring (weekly if elevated) & remedial dose interruption.
- → 3L CRC China 65-75% liver metastasis weaker pts.

STIVARGA (regorafenib) tablets, oral Initial U.S. Approval: 2012

#### WARNING: HEPATOTOXICITY

See full prescribing information for complete boxed warning. Severe and sometimes fatal hepatotoxicity has been observed in clinical trials. Monitor hepatic function prior to and during treatment. Interrupt and then reduce or discontinue Stivarga for hepatotoxicity as manifested by elevated liver function tests or hepatocellular necrosis, depending upon severity and persistence. (2.2, 5.1)

# Fruquintinib - FALUCA Phase III in 3L NSCLC Phase III last patient will enroll early 2018

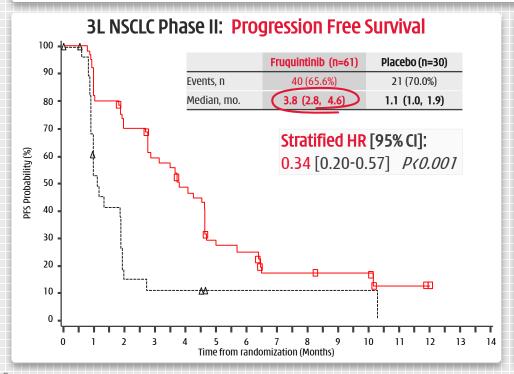


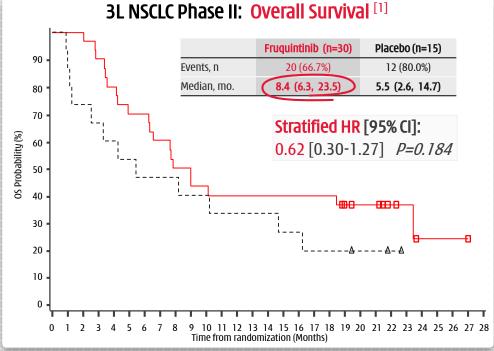


#### Non-small cell lung cancer ("NSCLC") Phase II PoC Results

- ✓ 91 3<sup>rd</sup> line only pts. enrolled in ~9 months (Jun'14-Mar'15).
- ✓ **Clearly met primary endpoint** of reduction in risk of progression. \$10 million success milestone from Lilly in Q4 2015.
- ✓ **AEs consistent** with the known safety profile and generally superior versus 3L colorectal cancer Phase II with lower >Gr.3 AEs (32.8% vs. 66.0%) and dose reductions (13.1% vs. 27.7%).

Patients, %	Fruquintinib (n=61)	Placebo (n=30)
All AEs, any grade	61 (100%)	27 (90.0%)
All AEs, grade ≥3	20 (32.8%)	6 (20.0%)
Hypertension, grade ≥3	5 (8.2%)	1 (3.3%)
Hand-foot syndrome ("HFS"), grade ≥3	3 (4.9%)	0
All other AEs, grade ≥3 (each)	≤2 (≤3.3%)	0
Leading to dose interruption	9 (14.8%)	0
Leading to dose reduction	8 (13.1%)	0
Leading to treatment discontinuation	6 (9.8%)	1 (3.3%)





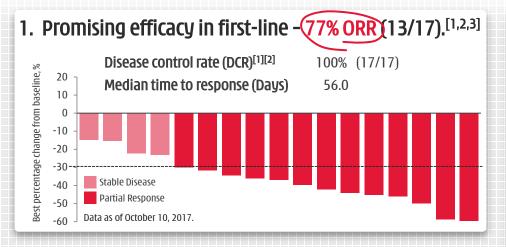
## Fruquintinib - 1L NSCLC combo w/ IRESSA





Two small molecule TKIs allow for better management of tox.

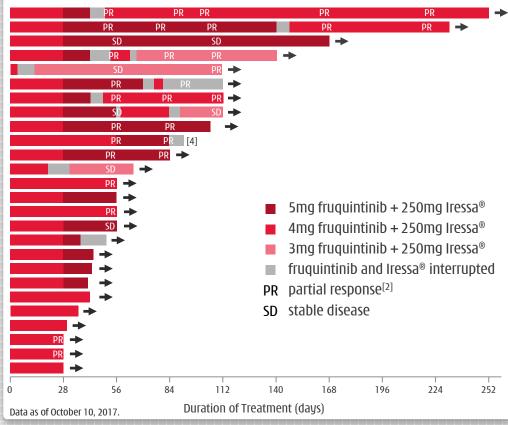




### 2. Safety data: fruq. better for combos vs. other VEGFRis.

Adverse Events ("AEs")	Iressa® or Tarceva® FLAURA <sup>[5]</sup> N = 277, n (%)	Avastin® + Tarceva® <sup>[6]</sup> N = 75, n (%)	Fruquintinib + Iressa® N = 26, n (%) <sup>[3]</sup>
All AEs, any grade	273 (98%)	≥74 (≥99%)	23 (89%)
All AEs, Grade ≥3	124 (45%)	68 (91%)	8 (31%)
AEs leading to death	6 (2%)	0 (0%)	0 (0%)
AEs leading to VEGFRi discontin.	-	31 (41%)	1 (4%)
Grade ≥3 AEs:			
Liver function (e.g. ALT, AST incr.)	33 (12%)	6 (8%)	6 (23%)
Hypertension	NA	45 (60%)	1 (4%)
Proteinuria	NA	6 (8%)	1 (4%)
Rash	13 (5%)	19 (25%)	0 (0%)
Decreased appetite	22 (8%)	1 (1%)	NA

3. Combination of highly selective TKIs vs. MAbs: daily dose flexibility improves tolerability. This enables maintained drug exposure, leading to more durable response.<sup>[2,3]</sup>



<sup>[1]</sup> Best tumor response for efficacy evaluable patients (patients who had both baseline and post-baseline tumor assessments); ORR = objective response rate; [2] Four PRs not yet confirmed at the time of data cut-off date;

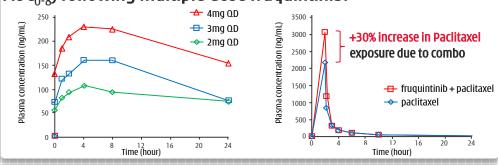
<sup>[3]</sup> Lu, S., et al, "A Phase II study of fruquintinib in combination with gefitinib in stage IIIb/IV NSCLC patients harboring EGFR activating mutations", ID 10907 IASLC 18th World Conference on Lung Cancer, Yokohama, Japan, October 15-18, 2017;
[4] Drug discontinuation due to Grade 3 proteinuria and Grade 3 QTc prolonged; [5] Ramalingam S. et al, "LBA2\_PR Osimertinib vs standard of care (SoC) EGFR-TKI as first-line therapy in patients (pts) with EGFRm advanced NSCLC: FLAURA", ESMO 2017 Congress, Madrid, Spain, September 9, 2017; [6] Seto, T., et al, "erlotinib alone or with bevacizumab as first-line therapy in patients with advanced non-squamous non-small-cell lung cancer harbouring EGFR mutations (J025567); an open-label,

## Fruquintinib - Gastric combo with paclitaxel Phase III initiated October 2017

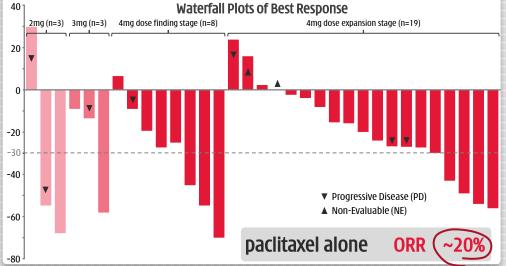




1. Dose proportional increase of fruquintinib AUC at steady state. Over 30% increase in paclitaxel drug exposure (mean AUC<sub>0-8</sub>) following multiple dose fruquintinib.



2. ORR of (36%) (10/28) & DCR of 68% in efficacy evaluable pts. Fruquintinib 4mg,  $\geq$ 16 wk. PFS of 50% &  $\geq$ 7 mo. OS of 50%.

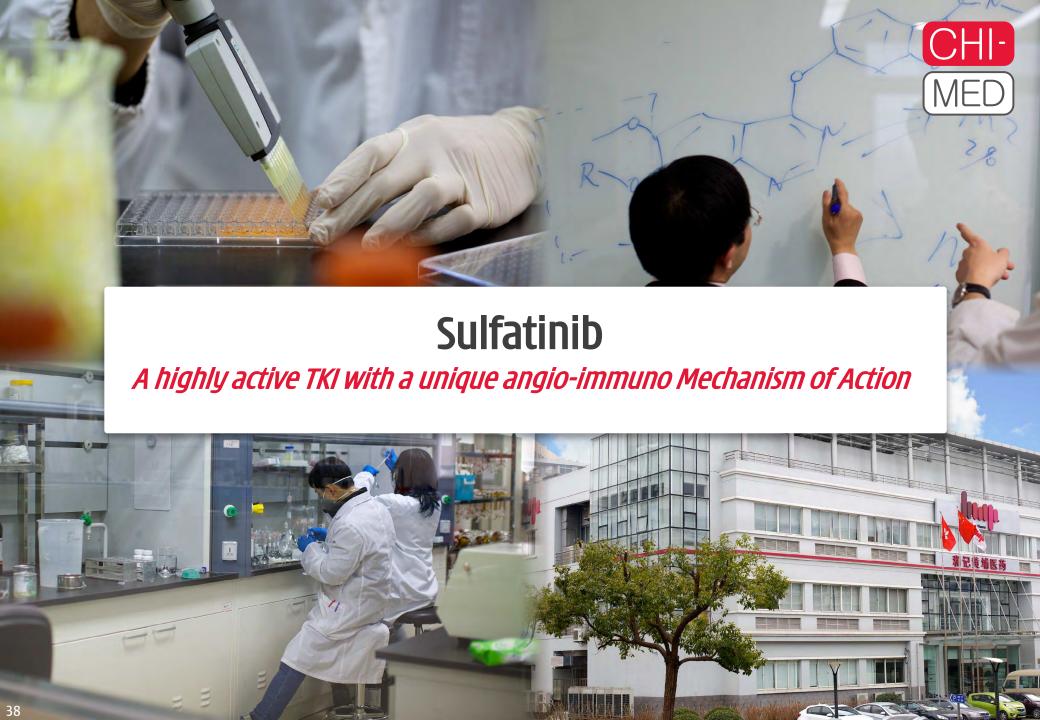


3. Encouragingly low level of dose reduction/interruption. Actual mean administered dose in the first cycle was 3.32mg/day for fruquintinib (83.0% planned dose) & 78.6 mg/m2/week for paclitaxel (98.3% planned dose).

Characteristics (Unit)	Drug Expansion Stage (N=19) Fruquintinib 4 mg + paclitaxel 80 mg/m²		
	Drug interruption	Drug reduction	
Dose modification with Fruquintinib N (%)	2 (10.5%)	2 (10.5%)	
Dose modification with Paclitaxel N (%)	5 (26.3%)	1 (5.3%)	

4. AE profile in-line with expectations. Neutropenia - a paclitaxel driven AE - with 57.9% Grade >3 AEs. Similar to 60% level seen in RAINBOW study of ramcirumab (VEGF mAb) combo with paclitaxel in second-line Gastric cancer.

Drug related grade 3 or 4 AEs (NCI-CTCAE v 4.0) term	Dose Expansion Stage (N=19) Fruquintinib 4 mg + paclitaxel 80 mg/m²
Neutropenia	11 (57.9%)
Leukopenia	4 (21.0%)
Hypertension	2 (10.6%)
PLT decreased	1 (5.3%)
Anemia	1 (5.3%)
HFSR	1 (5.3%)
Mucositis oral	1 (5.3%)
Hepatic disorder	1 (5.3%)
Upper gastrointestinal hemorrhage	1 (5.3%)



## Sulfatinib's unique angio-immuno kinase profile



Multi-indication global development program, initially for NETs<sup>[1]</sup>

Sulfatinib's unique angio-immuno kinase profile & MoA<sup>[2]</sup> activates & enhances the body's immune system, namely T-cells, via VEGFR/FGFR while inhibiting the production of macrophages (CSF-1R) which cloak cancer cells. *'EGFR / FGFR* Anti-angiogenesis (minimize T-cell loss/seepage) Blood vessel **FGFR** lmmuno-Antigen release suppression (activation of T-cells) CSF-1R Blocks negative regulators (suppresses macrophage cloak)

## Activity 1: Fast/first approval in China for all NET [1] patients - 2x pivotal Phase III trials in progress

	Pancreatic NET Phase III	Non-Pancreatic NET Phase III			
Primary site	Pancreas	GI, lung, other or unknown			
Population	Unresectable or metastatic disease; well differentiated (G1/G2); ≤2 prior systemic drugs.				
# of Sites	20-30	O (China)			
# of Patients	~195 ~270				
Study design		to sulfatinib or placebo, until PD. nterim analysis.			
Dosage	Sulfatinib 300mg QD, 28 days per cycle (vs. placebo)				
Primary Endpoint	Progression-Free Survival (PFS) by BICR evaluation				
Secondary Endpoints	Overall Survival (OS), ORR, safety, etc.				
First Patient In / Readout	March 2016 / 2018 December 2015 / 2018				

### Activity 2: Global development

- U.S. Phase I bridging in Caucasian patients almost complete -RP2D<sup>[3]</sup> expected to be same as China - 300mg QD.
- U.S. Phase II in planning, expect to start in 2017 focusing on areas of NET unmet medical need/BTT<sup>[4]</sup> opportunity.

### Activity 3: Exploratory PoC<sup>[5]</sup> in other indications

China Ph.II studies underway in: (a) Medullary thyroid cancer;(b) Differentiated thyroid cancer; and (c) Biliary tract cancer.

## Activity 1: China NET - Phase II (ENETS 2017 [1])



PDs or

Deaths

(% pts)

51.9%

(42/81)

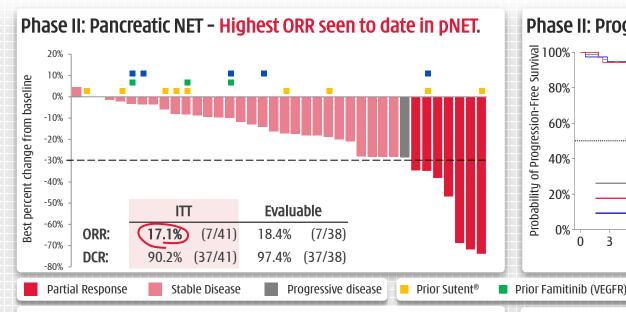
39.0%

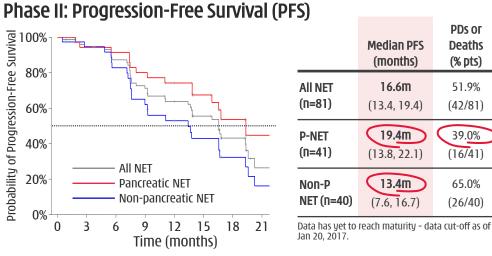
(16/41)

65.0%

(26/40)

## Efficacy in all NET; & patients who failed on Sutent®/Afinitor®





#### Phase II: Non-Pancreatic NET - High ORR in non-pNET also. 20% 10% Best percent change from baseline -10% -20% -40% -50% ITT **Evaluable** (6/40)15.8% (6/38)ORR: -70% DCR: (37/40)(37/38)97.4%

#### Phase II: Safety - Well tolerated - Adverse Events manageable.

3			_
	Grade ≥3 (≥4pts) n (%)	Adverse Events ("AEs") - Regardless of causality	N=81 n (%)
Hypertension	25 (30.9)	Any AE	81 (100.0)
Proteinuria	11 (13.6)	Grade ≥3 AE	63 (77.8)
Hyperuricemia	8 (9.9)	Any SAE	21 (25.9)
Hypertriglyceridemia	7 (8.6)	Any drug-related AE	81 (100)
Diarrhea	6 (7.4)	Any drug-related grade ≥3 AE	58 (71.6)
ALT increased	5 (6.2)	Any drug related SAE	10 (12.3)
Anemia	4 (4.9)	Drug related AE leading to:	
Hypokalemia	4 (4.9)	dose interruption	40 (49.4)
Hepatic function		dose reduction	20 (24.7)
abnormal	4 (4.9)	drug withdrawal	7 (8.6)

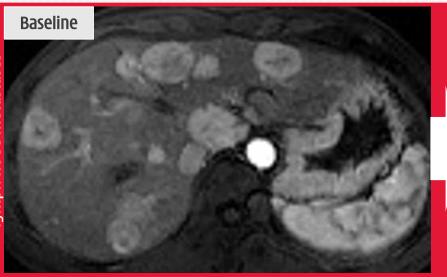
## Activity 1: China NET – Phase II (ENETS 2017 [1]) Tumor devascularization & central necrosis



Patient 1

Duodenum NET G2

w/ multiple liver & retroperitoneal
lymph node metastases





Rectum NET G2

// multiple liver metastases



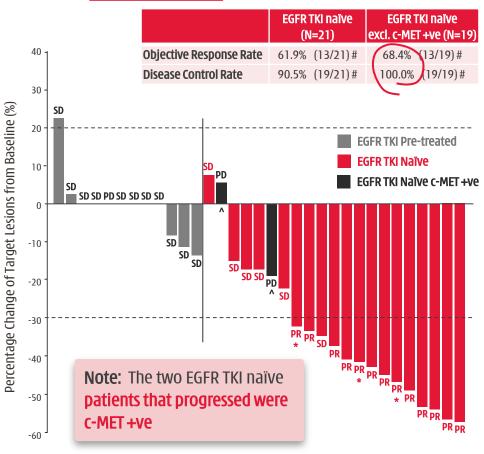




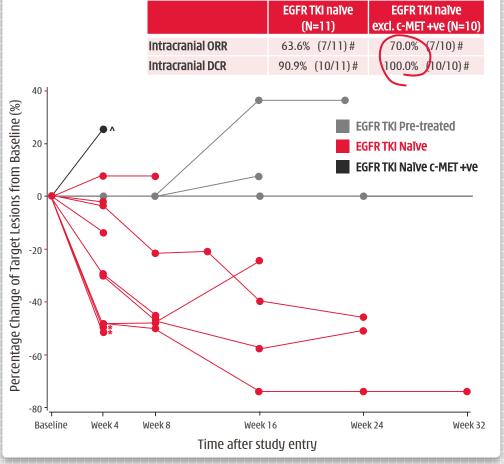
## Epitinib – 70% response in NSCLC w/ brain mets<sup>[2]</sup> Unmet medical need for ~50% of NSCLC patients w/ brain mets<sup>[1]</sup>



1. Phase Ib [2] – epitinib monotherapy in EGFRm+ NSCLC patients – efficacy in lung in-line with Iressa®/Tarceva®

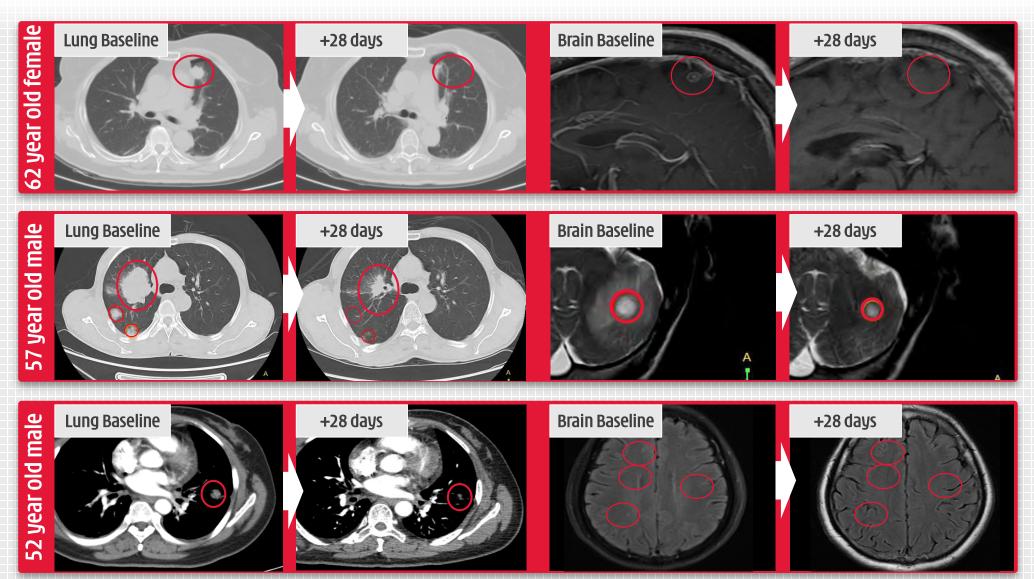


2. Phase Ib [2] - solid/durable efficacy in brain in EGFRm+NSCLC patients with measurable brain mets (>10mm).





## Epitinib - Strong PoC efficacy



# Epitinib - Safe & well tolerated Pivotal Phase III study to initiate in early 2018



3. Epitinib well tolerated by patients<sup>[1]</sup> w/advanced solid tumors. Safety profile is consistent with that of approved EGFR-TKIs (e.g. Iressa®/ Tarceva®).

<b>Dose Escalation Stage (n=35*)</b> (Drug related AEs reported >10%)					
All Grades Grade 3/4 Adverse Event ("AE") n (%) n (%)					
Skin rash	21 (60.0%)	1 (2.9%)			
Diarrhea	12 (34.3%)	-			
AST increase	12 (34.3%)	1 (2.9%)			
ALT increase	11 (31.4%)	1 (2.9%)			
Total bilirubin increase	10 (28.6%)	2 (5.7%)			
Stomatitis	5 (14.3%)	-			
Exfoliative dermatitis	5 (14.3%)	-			
Pruritus	5 (14.3%)	-			
Hyper-pigmentation 4 (11.4%)					
<b>Gamma-GGT increase</b> 4 (11.4%) 2 (5.7%)					
		- ()			

(Drug related AEs reported >10%)					
All Grades Grade 3/4					
Adverse Event ("AE")	n (%)	n (%)			
Skin rash	31 (83.8%)	2 (5.4%)			
Hyper-pigmentation	18 (48.6%)	1 (2.7%)			
ALT increase	15 (40.5%)	7 (18.9%)			
AST increase	15 (40.5%)	4 (10.8%)			
ASP increase	11 (29.7%)	1 (2.7%)			
Diarrhea	10 (27.0%)	-			
Proteinuria	10 (27.0%)	-			
Total bilirubin increase	9 (24.3%)	1 (2.7%)			
Hyperuricemia	9 (24.3%)	2 (5.4%)			
Gamma-GGT increase	7 (18.9%)	4 (10.8%)			

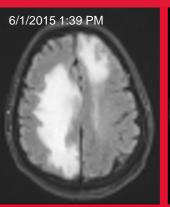
Dose Expansion Stage (n=37)

#### 4. Now moving into Phase III pivotal study in China.

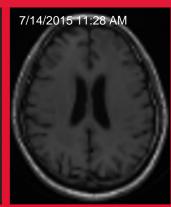
- Phase III in first-line NSCLC with brain metastasis to start:
  - → Published positive Phase Ib expansion results at World Conference on Lung Cancer Dec 2016, Vienna.
- Glioblastoma (primary brain tumors):
  - **Phase II proof-of-concept planning underway**, initiating 2017.

### CASE STUDY - EGFR-TKI pretreated patient

- Man, 58, diagnosed with **NSCLC adenocarcinoma** (Exon21 L858R) on Dec 12, 2014.
- Tumor lesions located at left lung upper lobe, bone & brain cT1bN3M1.
- 3 days prior brain radiotherapy, followed by Iressa® for 5.5 months with most recent progression in the brain.



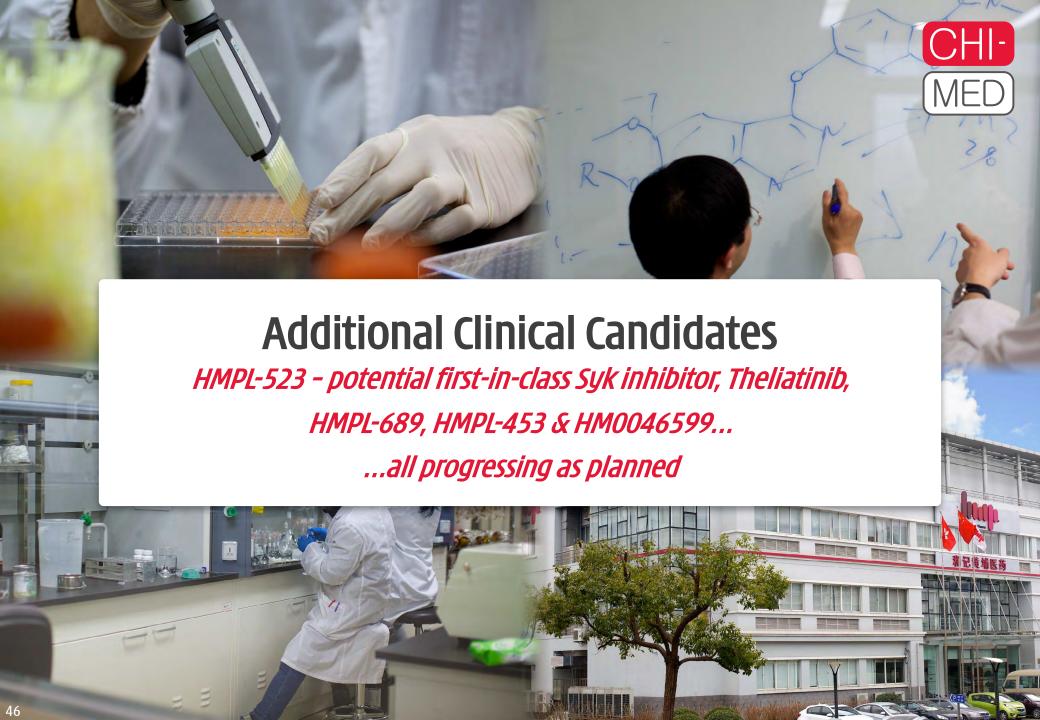
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- Patient presented walking with crutch assistance.
- Epitinib 160 mg q.d.
   began on Jun 17, 2015.
   Achieved stable disease in both intracranial & extracranial lesions from week 8, & could walk without assistance.
- Remained on stable disease for 43 weeks until disease progression (pleural effusion).

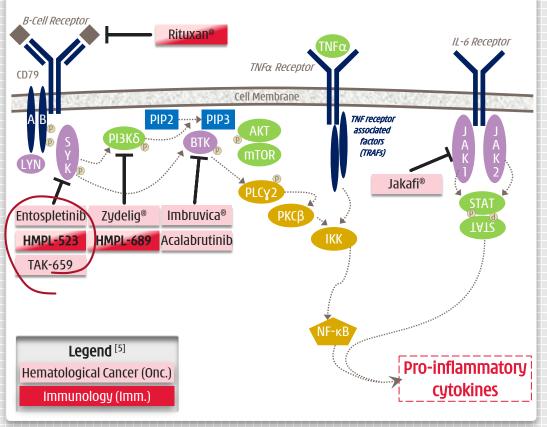
[1] No Dose Limiting Toxicity ("DLT") was observed in any cohort; \* One patient did not join multiple dosing.



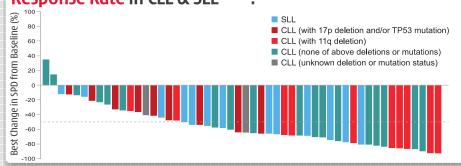
## HMPL-523 - hematological malignancies Syk exciting target emerging - Lymphoma PoC ongoing



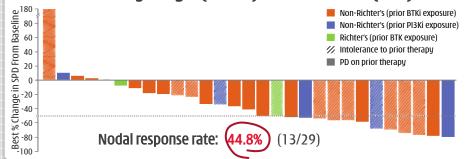
- 1. The B-cell signaling is critical in hematological cancer with three breakthrough therapies recently approved.
- Sales in 2016 of Imbruvica® were \$1.8 billion; Zydelig® \$0.2 billion; Jakafi® \$0.6 billion; & Rituxan® \$6.5 billion<sup>[2]</sup>.







#### 3. Entospletinib potential for overcoming resistance/ intolerance to Zydelig® (PI3Kδ) & Imbruvica® (BTK)<sup>[6]</sup>.



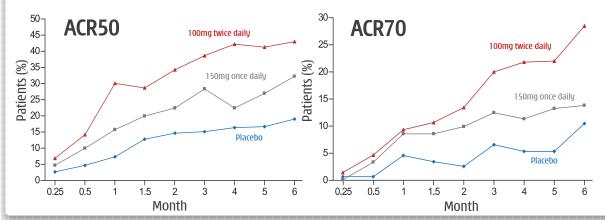
- 4. Entospletinib not a perfect compound<sup>[6]</sup>.
- Poor solubility/oral absorption & high variation in drug exposure.
- Some CYP<sup>[4]</sup> inhibition & increased risk of drug-drug interaction.
- 66% Grade ≥3 AEs, 49% SAEs, 46% drug interruption & 20% disco.

### HMPL-523 - immunology potential Superior selectivity, better target coverage & efficacy vs. fosta.



1. Fostamatinib good Phase II<sup>[1]</sup> RA<sup>[2]</sup> dose response...

...but GI toxicity, infection & 23% put on antihypertensives.

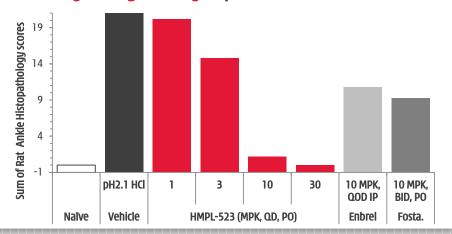


	Placebo	150mg QD	100mg BID
Percent of patients	(n = 153)	(n = 152)	(n = 152)
Diarrhea	3.0%	11.8%†	19.1%†
Upper respiratory infection	7.1	7.2	14.5 †
Urinary tract infection	4.6	3.3	5.9
Nausea	4.6	5.9	4.6
Neutropenia	0.7	6.6 †	5.9 †
Headache	5.2	6.6	5.9
Abdominal pain	2.6	6.6 †	5.9 †
ALT >3x ULN	2.0	3.9	3.9
Dizziness	2.0	2.6	4.6
Hypothyroidism	2.6	2.6	3.3
Cough	2.6	2.0	3.3
† P < 0.05 for comparison	with placebo gro	up; ALT = alanine	aminotransferase.

#### 2. HMPL-523 – far superior selectivity to fostamatinib...

Selectivity	HMPL-523 IC <sub>50</sub> (nM)	fostamatinib IC <sub>50</sub> (nM)	
Syk enzyme	25 ± 5 (n=10)*	54 ± 16 (n=10)*	
JAK 1,2,3 enzyme	>300, >300, >300* 120, 30, 480*		
FGFR 1,2,3	>3,000, >3,000, >3,000	89, 22, 32*	
FLT3 enzyme	63*	9*	
LYN enzyme	921*	160*	
Ret enzyme	>3,000*	5**	
KDR enzyme	390 ± 38 (n=3)*	61 ± 2 (n=3)*	
KDR cell	5,501 ± 1,607 (n=3)*	422 ± 126 (n=3)*	

#### ...and very strong efficacy in preclinical RA models.

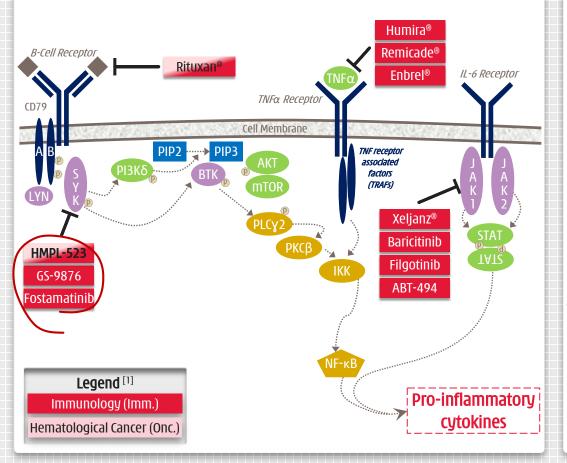


## HMPL-523 - immunology potential



### Potential first-in-class Syk TKI in immunology - Ph.II in planning

1. Syk, the most upstream B-cell pathway kinase target is clinically validated in rheumatoid arthritis ("RA"), but we believe currently Chi-Med & Gilead are the only companies pursuing.



2. RA expected to be a \$45 billion<sup>[2]</sup> market in 2020 with B-cell pathway; anti-TNF; & JAK the main focus.

(Methotrexate-IR: placebo adjusted)	ACR20	ACR50	ACR70	2016 Sales (\$billion) <sup>[3]</sup>
B-Cell receptor mAbs				
Rituxan® (24-Week)	33%	21%	11%	1.6
Anti-TNFα/NF-κB mAbs				
Humira® (24-Week)	33%	29%	18%	16.1
Remicade® (24-Week)	30%	22%	8%	7.0
Enbrel® (24-Week)	44%	36%	15%	8.3
JAK Inhibitors Small molecules				
Xeljanz® (24-Week)	25%	23%	13%	0.9
Xeljanz® (12-Week)	28%	21%	8%	0.9
baricitinib 4mg QD (12-Week)	30%	28%	14%	n/a
filgotinib 100mg BID (12-Week)	35%	40%	23%	n/a
ABT-494 24mg QD (12-Week)	32%	24%	18%	n/a
Syk Inhibitor Small molecule				
fostamatinib 100mg BID (24-Week)	32%	24%	18%	n/a

- 3. Substantial market potential remains in RA.
- mAbs intravenous administration and shut down immune system for 4-6 weeks - high infection / lymphoma risks.
- First-in-class JAKs in RA limited by compound-related tox.
- Syk inhibition shown to benefit patients but fostamatinib failed due to major off-target toxicity.

# Theliatinib - encouraging activity observed Potent & highly selective TKI - strong affinity to EGFRwt kinase



## 1. Major unmet medical need for wild-type EGFR activation tumors.

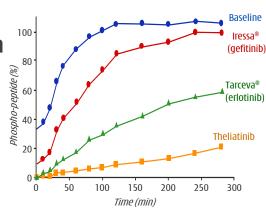
 EGFR activation affects multiple tumor types. Current EGFR TKIs are less effective in treating solid tumors with wild-type EGFR activation (gene amplification & protein over expression).

Phase Ib expansion study on theliatinib in esophageal cancer is currently underway in China.
TKIS approved:

Tumor Types	Wild-type: Gene ' Amplification	Wild-type: Over Expression	Iressa®, Tarceva® <b>Mutations</b>
NSCLC	29%	62%	10-30%
Esophagus	8-30%	30-90%	12% (esophageal adenocarcinoma)
Stomach	29%	44-52%	₹5%
Glioblastoma	36-51%	54-66%	27-54% (EGFR variant III)
Colorectal	4.5%	53%	8%
Head and neck	10-30%	66-84%	42% (EGFR variant III)
			MAbs approved: Erbitux®, Vectibix®

# 2. Superior anti-tumor activity of theliatinib in pre-clinical studies with wild-type EGFR.

- 5-10-fold more potent than Tarceva<sup>®</sup>.
- Sustained target occupancy.



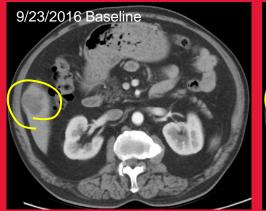
## 3. Esophageal cancer (EC): No effective treatment options.

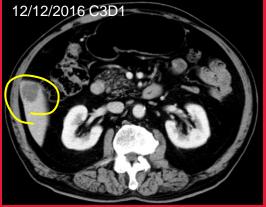
Major issue in Asia with poor prognosis: 5 year survival 10-20%

	nev	v cases/year	deaths/year
U.S.	1	16,940[1]	15,690[1]
China	- \	477,900[1]	J375,000 <sup>[1]</sup>

### CASE STUDY - EGFR protein over expression

- May 4, 2016: Man, 62, stage IV esophageal squamous cell cancer cT3N0M1with liver metastasis. High protein overexpression EGFR IHC local test: >75% of tumor cells 3+.
- May 4 to Sep 23, 2016: nimotuzumab/placebo + paclitaxel + cisplatin 6 cycles with best tumor response: PD.
- Oct 11, 2016: began theliatinib 400mg daily.
- Dec 12, 2016: Cycle 3 Day 1 (C3D1) tumor assessment: Target lesion (liver metastasis) shrank -33% (36mm to 23mm diameter) - unconfirmed PR.
- Jan 23, 2017: Withdrew from study due to AEs Gr 1 (diarrhea/pruritus/dental ulcer), Gr 2 (epifolliculitis/dermatitis).



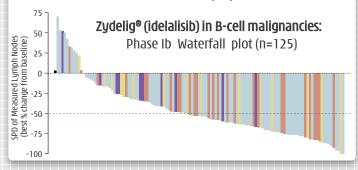


## HMPL-689 - Phase I Aus. started & China to start Designed to be a best-in-class inhibitor of PI3Kδ



#### 1. PI3Kδ now a proven target.

- PI3Kδ activation associated with allergy, inflammation & oncology.
- Evidence that PI3Kδ inhibitors effective in ibrutinib-resistant mutant population.



### 2. PI3Kδ inhibitors being developed in a very broad range of indications.

Compound Indication		Status	Issue	
Zydelig®		Chronic lymphocytic leukaemia, non-Hodgkin's lymphoma	Marketed	High incidence of
(idelalisib)	Gilead	Hodgkin's lymphoma	Phase II Trial	liver toxicity seen with idelalisib
ΡΙ3Κδ		Waldenstrom's hypergammaglobulinaemia	Preclinical	(150mg bid)
AMG-319 PI3Kδ	Amgen	B-cell lymphoma, non-Hodgkin's lymphoma, T-cell lymphoma, chronic lymphocytic leukaemia	Phase I Trial	
duvelisib <sup>[1]</sup>	AbbVie/ Infinity <sup>[2]</sup>	B-cell lymphoma, non-Hodgkin's lymphoma, chronic lymphocytic leukaemia	Phase III Trial	Need to spare PI3Ky serious infection
(IPI-145)	mmineg	Asthma, rheumatoid arthritis	Phase II Trial <sup>[2]</sup>	seen with duvelisib
PI3Kγ/δ Verastem/ Infinity <sup>[2]</sup>		COPD, SLE, psoriasis, MS transplant rejection, allergy, acute lymphocytic leukaemia, T-cell lymphoma	Phase I Trial <sup>[2]</sup>	due to strong immune suppression

#### 3. HMPL-689 -- Important asset.

Designed to improve on existing PI3K $\delta$  inhibitors:

- Improved isoform selectivity (sparing PI3Kγ).
- Improved potency at whole blood level (>5x more potent than idelalisib) to cut compound related toxicity.
- Improved PK properties particularly efflux and drug/drug interaction due to CYP inhibition / induction, critical for combo therapy.

#### 4. HMPL-689 more potent and more selective than idelalisib & duvelisib.

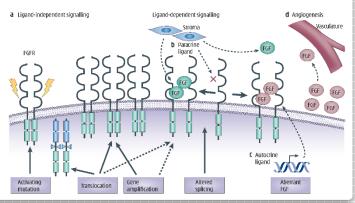
Enzyme IC <sub>50</sub> (nM)	HMPL-689	Zydelig®	duvelisib
РІЗКδ	0.8 (n = 3)	2	1
PI3Kγ (fold vs. PI3Kδ)	114 (142x)	104 <b>(52x)</b>	2 (2 <u>X)</u>
PI3Kα (fold vs. PI3Kδ)	>1,000 (>1,250x)	866 <b>(433x)</b>	143 <b>(143x)</b>
PI3Kδ human <u>whole blood</u> CD63+	3	14	15
PI3Kβ (fold vs. PI3Kδ)	87 <b>(109x)</b>	293 <b>(147x)</b>	8 (8X)

## HMPL-453 - Phase I Aus. & China underway Designed as first-in-class FGFR1/2/3 inhibitor



#### 1. FGFR genetic alterations are oncogenic drivers

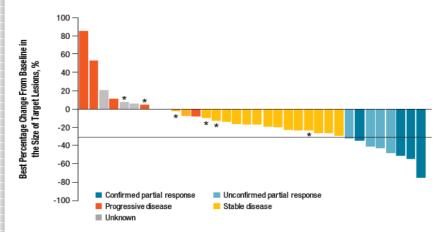
- FGF/FGFR signaling normally involved in embryonic development, tissue repair, angiogenesis, neuroendocrine and metabolism homeostasis.
- Multiple oncogenic driver genetic alterations in FGFR pathway: gene amplification, mutation, translocation, fusion, splicing, etc.



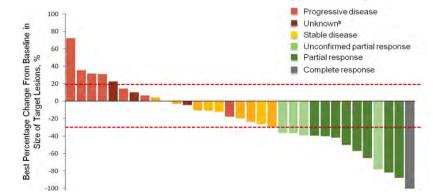
## 2. FGFR - diverse & complicated genetic changes with multiple tumor types harboring low incidence

	Gene amplification	Gene translocation	Gene mutation
FGFR1	Lung squamous (7~15%) H&N squamous (10~17%) Esophageal squamous (9%) Breast (10~15%)	Lung squamous (n/a) Glioblastoma (n/a) Myeloproliferative syndrome (n/a) Breast (n/a)	Gastric (4%) Pilocytic astrocytoma (5~8%)
FGFR2	Gastric (5~10%) Breast (4%)	Intra-hepatic cholangiocarcinoma (14%) Breast (n/a)	Endometrial (12~14%) Lung squamous (5%)
FGFR3	Bladder (n/a) Salivary adenoid cystic (n/a)	Bladder (3~6%); Lung squamous (3%); Glioblastoma (3%) Myeloma (15~20%)	<b>Bladder</b> (60~80% NMIBC; 15~20 MIBC) <b>Cervical</b> (5%)

- 3. Cholangiocarcinoma and bladder cancer have made much progress in clinic to date
- BGJ398 Phase II PoC in cholangiocarcinoma (2016 ASCO GI).



■ BGJ398 Phase II PoC in bladder cancer (2016 ASCO).





## Chi-Med's Commercial Platform in China Long track record of commercial success - good source of cash



#### 2 National household name brands



### **Focus on largest** disease categories

Most common disease diagnosed/treated in rural hospitals<sup>[1]</sup>:

Cold/Flu: 86% Cardiovascular: 78% Diabetes: 46% GI: 45%

### **Maior commercial** & production scale

~2,200 Rx & ~1,200 OTC sales people in about 300<sup>[2]</sup> cities & towns in China.

Drugs in ~18,700 hospitals detailing ~87,000 doctors.

Sold ~4.5 billion doses of medicine in 2016.

#### Leadership market shares

Market leader in the subcategories/markets in which we compete<sup>[3]</sup>:

SXBX pill:[4][5]	~12%
Rx Cardiovascular TCM	
Banlangen: <sup>[6]</sup>	~51%
OTC Anti-viral /flu TCM	

FFDS tablet:[7] ~32% **OTC Angina TCM** 

#### JVs with 3 leading **China Pharmas**







#### Commercial Platform Performance - 2003-H1 2017<sup>[8][9]</sup>

					IFI	RS							US G	JAAP			H1 16-H1 17
(US\$ millions)	03	04	05	06	07	08	09	10	11	12	13	14	15	16	H1 16	H1 17	Growth
Sales (Non-GAAP)	21.9	27.9	65.1	101.4	119.0	155.8	197.0	236.4	278.6	360.7	402.3	465.4	518.9	627.4	331.9	357.0	8 <u>%</u>
Prescription Drugs	17.2	21.8	23.3	23.2	28.1	39.5	54.4	71.2	92.4	116.5	138.2	204.9	286.6	<i>372.3</i>	194.5	215.5	11%
Consumer Health	4.7	6.1	41.8	78.2	90.9	116.3	142.6	165.2	186.2	244.2	264.1	260.5	232.3	<i>255.1</i>	137.4	141.5	3%
Total % Growth	n/a	27%	133%	56%	17%	31%	26%	20%	18%	29%	n/a	16%	11%	21%	16%	8%	
	4													[11]		[13]	
Net (loss)/Income after tax (Non-GAAP)	(10.7)	(3.6)	2.2	6.7	11.2	14.7	21.5	27.9	30.1	33.1	39.7	48.8	54.1	144.1 [11]	47.9	<b>51.9</b> [12]	8%
Prescription Drugs	(0.4)	1.3	1.9	1.3	1.9	2.8	6.0	11.9	14.2	17.7	22.4	26.5	31.9	122.2	30.6	38.8	27%
Consumer Health	(10.3)	(4.9)	0.3	5.4	9.3	11.9	15.5	16.0	15.9	15.4	17.3	22.3	22.2	21.9	17.3	13.1	-24%
% Margin	-48.9%	-12.9%	3.4%	6.6%	9.4%	9.4%	10.9%	11.8%	10.8%	9.2%	9.9%	10.5%	10.4%	23.0%	14.4%	14.5%	
					[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[10]	[11]		[13]	
Net (loss)/income attrib. to Chi-Med	(5.7)	(3.7)	(0.5)	1.2	<b>4.5</b> [10]	<b>5.9</b> [10]	<b>9.3</b> <sup>[10]</sup>	<b>12.6</b> [10]	<b>13.6</b> [10]	<b>14.6</b> [10]	<b>18.2</b> [10]	<b>22.8</b> <sup>[10]</sup>	<b>25.2</b> [10]	<b>70.3</b> [11]	22.1	<b>25.2</b> [12]	14%
Prescription Drugs	(0.2)	0.6	1.0	0.7	0.9	1.4	3.0	<i>5.9</i>	7.1	8.8	11.2	13.2	<i>15.9</i>	61.1	15.3	19.4	27%
Consumer Health	(5.5)	(4.3)	(1.5)	0.5	3.6	4.5	6.3	6.7	6.5	5.8	7.0	9.6	9.3	9.2	6.8	5.8	-16%
Total % growth	n/a	-35%	-86%	340%	275%	31%	58%	35%	8%	7%	n/a	26%	10%	180%	12%	14%	

[1] Frost & Sullivan; [2] 300 cities & towns covered by Prescription Drug Business and 600 cities & towns including OTC business; [3] Frost & Sullivan 2015 market share data; [4] China coronary heart disease oral Chinese patented drugs market share; [5] She Xiang Bao Xin Pill ("SXBX pill"); [6] Banlangen Granules ("Banlangen") - OTC Antiviral; [7] Fu Fang Dan Shen tablets ("FFDS"); [8] 2003–2006 incl. disco. operation; [9] Prescription Drugs includes SHPL and Hutchison Sinopharm; and Consumer Health includes HBYS, HHO, HHL, and HCPL - please see appendix "Non-GAAP Financial Measures and Reconciliation"; [10] Continuing Operations; [11] Included the land compensation from SHPL of US\$80.8 million and US\$40.4 million at net income after tax and 54 net income attributable to Chi-Med respectively, [12] Included SHPL's R&D related subsidies of US\$5.9 million and \$2.5 million at net income after tax and net income attributable to Chi-Med respectively.

## A powerful Rx Commercial Platform in China.... Chi-Med management run all day-to-day operations



National Coverage:

~300 cities & towns.

~18,700 hospitals.

~87,000 doctors.

Medical reps. covering CV & CNS nationally.

~2,200 RX Sales People

118

(5%)

517 (23%)

NORTH

Pop'n: 320m (23%)

CV Medical Reps: CNS Medical Reps: HSP Sales staff:

WFST

Pop'n: 100m (7%)

CV Medical Reps: 73 (4%) CNS Medical Reps: 5 (4%) HSP Sales staff: 0 (0%)

> Notes: 2010 Population - China State Census CV = Cardiovascular; CNS = Central nervous

Chi-Med Rx sales team data = 31 December

**78** (4%)

(41%)

(27%)

**EAST** 

Pop'n: 393m (28%)

819 (40%) **CV Medical Reps: CNS Medical Reps:** 53 (45%) **HSP Sales staff:** 31 (100%)

190m (14%) Pop'n:

**CV Medical Reps:** 109 (5%) **CNS Medical Reps:** HSP Sales staff:

SOUTHWEST

9 (8%) 0 (0%) **CENTRAL-SOUTH** 

383m (28%) Pop'n:

CV Medical Reps: 564 (27%) CNS Medical Reps: 26 (22%) HSP Sales staff: 0 (0%)

## ....and highly adaptable

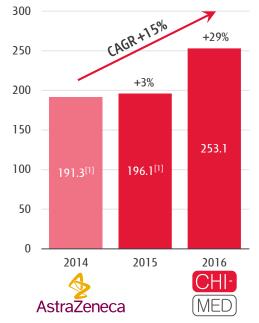
### Sales of Seroquel® & Concor® up significantly since we took over

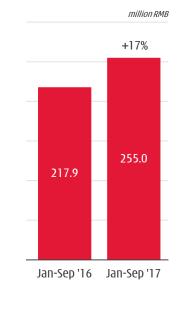




Seroquel®, or quetiapine, is a second generation antipsychotic approved for the treatment of schizophrenia, bipolar disorder and as adjunct treatment of major depressive disorder.

- Chi-Med holds exclusive all China commercial rights - full service commercial role.
- Took over from AZ Apr-2015.
- New team of ~120 CNS reps built from scratch.



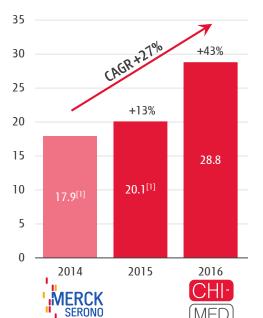


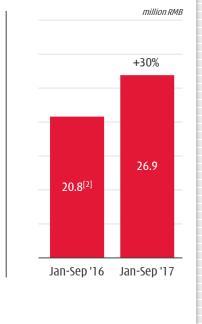
[1] 2014 full year and Q1 2015 were managed by AstraZeneca. Chi-Med took over commercial function for Seroquel across all-China in Apr 2015.



Concor®, or bisoprolol hemifumarate, is a beta-blocker approved for the treatment of hupertension.

- Chi-Med runs six core territories
   w/ 360 mn. people full service
   commercial role (fee for service).
- Took over from MS Jan-2015 <sup>[2]</sup>.
- Leverages SHPL's existing >1,800CV medical reps.





[1] 2014 full year was managed by Merck Serono. Chi-Med took over commercial function for Concor in 3 original territories on fee-for-service basis in Jan 2015; [2] Excludes sales into 3 new territories which were added from Q3 2017: RMB 14.1 million.

## Deep portfolio of household name drugs



Top 7 products represent 61% of sales<sup>[1]</sup> and 89% of gross profit<sup>[1]</sup>

Main Products	[2] - SALES (Non-GAAP)	2011	2012	2013	2014	2015	2016	H1 2016	H1 2017
· 事育保《丸	SXBX pill Coronary artery disease (Rx) 12% National market share Patent expiry 2029	<b>79,438</b> +32%	102,215 +29%	123,587 +21%	138,848 +12%	1 <b>59,326</b> +15%	195,371 +23%	110,063 +16%	110,384 +0%
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FFDS tablet Angina (OTC) 32% National market share	<b>57,001</b> -3%	60,181 +6%	<b>69,996</b> +16%	76 <b>,297</b> +9%	60,154 -21%	<b>59,906</b> <i>0%</i>	37,668 -6%	36,059 -4%
PROMES OF STREET	Banlangen granules Anti-viral/flu (OTC) 51% National market share	57,278 +8%	65,381 +14%	<b>72,300</b> +11%	<b>55,573</b> -23%	<b>54,793</b> -1%	<b>56,664</b> +3%	<b>32,263</b> -3%	<b>28,253</b> -12%
Seroquel XR 20 ng	Seroquel tablets Bi-polar/Schizophrenia (Rx) 5% National market share	n/a	n/a	n/a	n/a	21,131	<b>34,380</b> +63%	17,184 +282%	18,900 +10%
施川清片 福巴清片 温	<i>NXQ tablet</i> Cerebrovascular disease (Rx) Proprietary formulation	<b>3,741</b> +55%	<b>6,933</b> +85%	10,142 +46%	1 <b>4,681</b> +45%	1 <b>7,581</b> +20%	<b>21,000</b> +19%	9,315 +18%	8,744
□ 美济镇技 □ 美济镇技 □ 新疆市	KYO granules Periodontitis (OTC) >90% National market share	15,412 +22%	16,351 +6%	16,318 0%	18,370 +13%	1 <b>7,051</b> -7%	17,210 +1%	<b>9,972</b> -13%	<b>7,707</b> -23%
胆宁片	<i>Danning tablet</i> Gallbladder/stone (Rx) Patent expiry 2027	<b>9,914</b> +22%	11,648 +17%	12,364 +6%	13,822 +12%	13,526 -2%	<b>9,041</b> -33%	<b>5,414</b> -3%	<b>8,762</b> +62%

[1] Based on aggregate Non-GAAP sales (refer to page 54) and gross profit of consolidated subsidiaries and non-consolidated joint ventures of Commercial Platform, please see appendix "Non-GAAP Financial Measures and Reconciliation"; [2] Rx = prescription drug; OTC = over-the-counter drug; SXBX pill = She Xiang Bao Xin pill; FFDS tablet = Fu Fang Dan Shen tablet; NXQ tablet = Nao Xin Qing tablet; KYQ granules = Kou Yan Qing granules; Market

(US\$'000) (Growth % vs. Year Ago



## **Appendices**



## Experienced pharma management team



POSITION	EXPERIENCE (yrs) Industry / Chi-Med	ROLE / BACKGROUND
CHRISTIAN HOGG, BSc, MBA Chief Executive Officer	Procter & Gamble 28 / 17	Led all aspects of the creation, implementation & management of Chi-Med's strategy, business & IPOs since 2000 start - incl. AZ, Lilly, Nestlé deals & est. of pharma business.
WEIGUO SU, PHD  EVP, Chief Scientific Officer	<b>Pfizer</b> 27/12	Created Chi-Med's R&D strategy, innovation platform & led all pipeline discovery; Director of Med Chem at Pfizer; Harvard Ph.D./post-doc under Nobel Laureate E. J. Corey.
JOHNNY CHENG, BEC, CA Chief Financial Officer	Bristol-Myers Squibb 28 / 9  KPING NESTIE	Former VP, Finance at BMS China; 8 years with Nestlé China heading finance & control in multiple businesses; KPMG & PWC in Australia & Beijing.
YE HUA, MD, MPH  SVP, Clinical & Regulatory Affairs	NOVARTIS Celgene 18/3	Led Revlimid & Pomalyst global development in multiple myeloma; 15 yrs of global registrations incl. Humira, Zometa, Reclast, Femara, Cardioxane, Proleukin.
ZHENPING WU, PHD, MBA SVP, Pharmaceutical Sciences	Roche Pfizer 23/9	Leads all CMC development & manufacturing for Chi-Med's pipeline; Sr Director of PS at Phenomix; Director of Pharma Development at Pfizer San Diego; at Roche in Palo Alto.
MAY WANG, PHD  SVP, Bus. Dev. & Strategic Alliances	Lilly 23/7	Leads alliance mgmt & BD for Chi-Med; long career in research, primarily biology, strategic alliance management, partnering & business development with Eli Lilly.
MARK LEE, BEng, MBA  SVP, Corp. Finance & Development	CREDIT SUISSE 18/8	Focuses on strategic management, overall corporate operations & alliance support; Former US/UK banker advising & raising capital for major pharma & biotech.

- Management team comprised mainly of returnees
   averaging ~20 years in multinational pharma & biotech.
- Scientific leadership have participated in the discovery & development of global blockbusters.



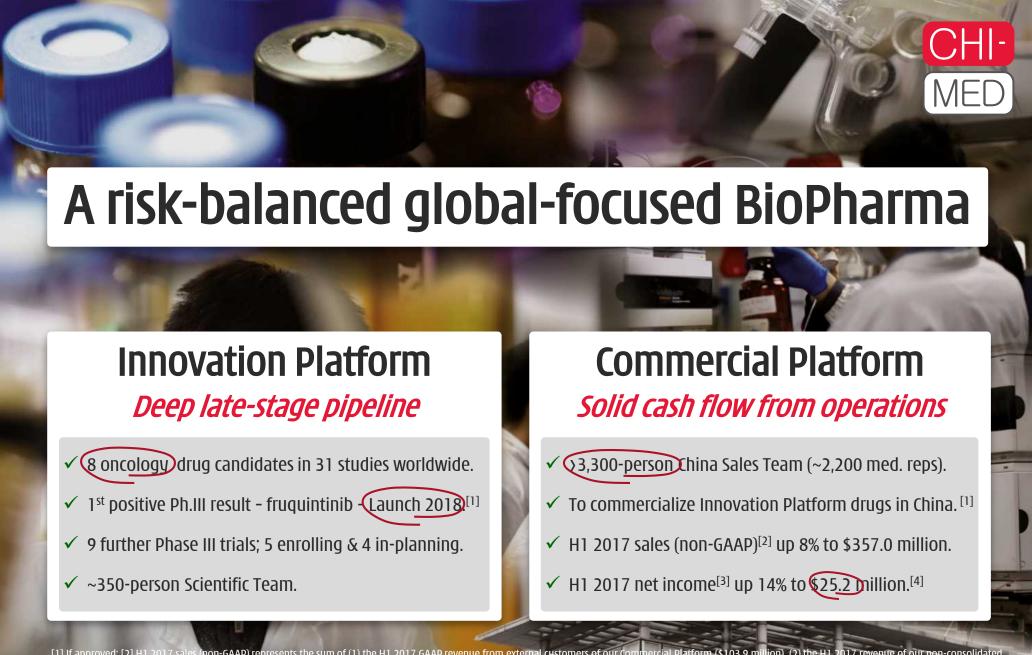








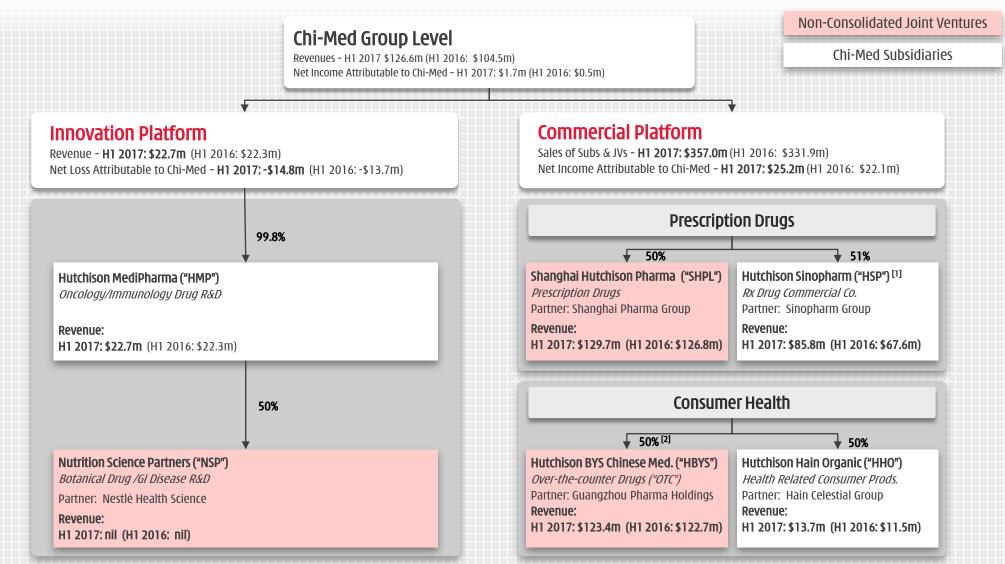




[1] If approved; [2] H1 2017 sales (non-GAAP) represents the sum of (1) the H1 2017 GAAP revenue from external customers of our commercial Platform (\$103.9 million), (2) the H1 2017 revenue of our non-consolidated joint venture Shanghai Hutchison Pharmaceuticals Limited ("SHPL") (\$129.7 million) and (3) the H1 2017 revenue of our non-consolidated joint venture Hutchison Whampoa Guangzhou Baiyunshan Chinese Medicine Company Limited ("HBYS") (\$123.4 million). SHPL and HBYS revenues are as reported in the unaudited consolidated financial statements of each of these companies which are prepared in accordance with IFRS; [3] Net income attributable to Chi-Med; [4] Includes the share of a one-time gain from SHPL's R&D related subsidies (\$2.5 million).

## Chi-Med Group structure - major entities



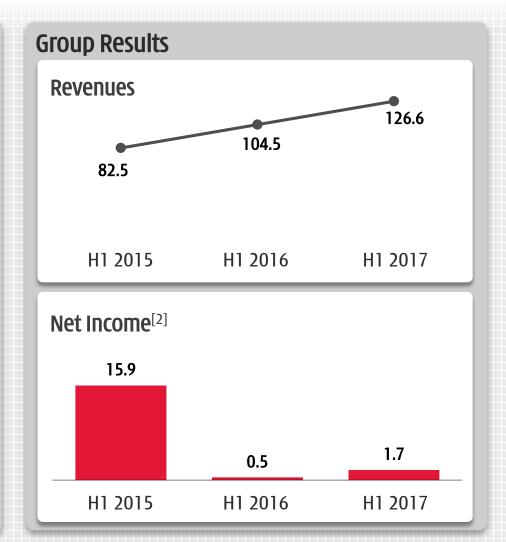


### H1 2017 Financial Results



Profitable - including \$37.5 million in innovation investment<sup>[1]</sup>

#### **Financial Summary** Change H1-H1-H1-2016 2015 2017 15-16 16-17 **REVENUES** 27% 21% 82.5 104.5 126.6 249.6 Unconsolidated JV Revenues 229.8 253.1 NET INCOME/(LOSS) [2] (13.7)n/a INNOVATION PLATFORM 2.0 -8% (11.6) (12.4)Base HMP Operations (2.1)50% share of Nestle JV (NSP) [3] (2.0)(2.4)19.8 22.1 25.2 12% 14% COMMERCIAL PLATFORM Prescription Drugs Business 11.9 15.3 19.4 Consumer Health Business 7.9 6.8 5.8 **Chi-Med Group Costs** (5.9)(7.9)(8.7)-33% -10% General & Administrative Expenses (4.2)(5.8)(6.6) Interest/Tax (1.7)(2.1)(2.1)Net Income Attrib. to Chi-Med 15.9 +213% Accretion on redeemable NCI<sup>[4]</sup> (42.0)Net (Loss)/Income Attrib. to Ord. S-H 0.5 1.7 (26.1)EPS Attrib. to Ord. S-H (Basic) (US\$) [5] 0.01 (0.49)0.03

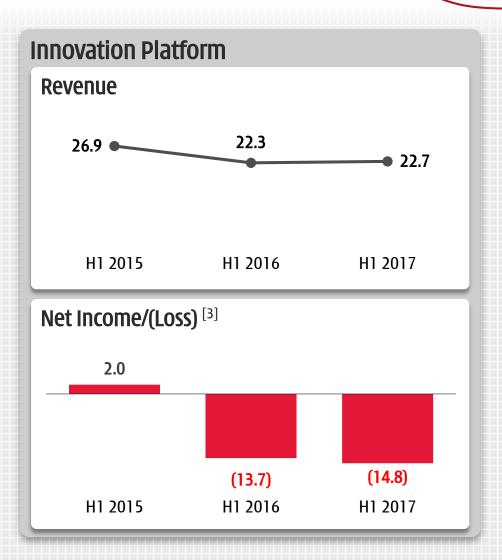


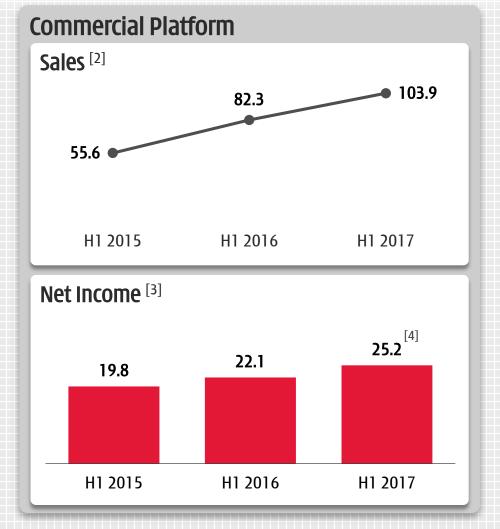
[1] GAAP R&D expenses were \$31.6m in H1 2017 (H1 2016: \$31.2m) - please see appendix "Non-GAAP Financial Measures and Reconciliation"; [2] Net Income/(Loss) = Net Income/(Loss) attributable to Chi-Med; [3] NSP = Nutrition Science Partners Limited; [4] Non-cash accretion relates to Mitsui's share in Innovation Platform, which was exchanged for Chi-Med shares in July 2015; [5] Includes adjustment for accretion on redeemable non-controlling interests.

### Financial performance of main platforms





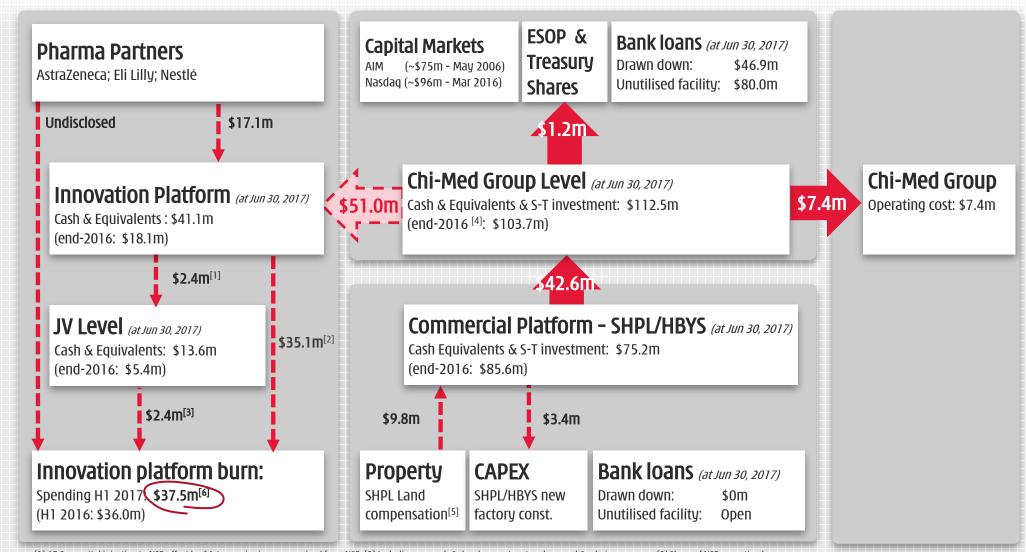




## Inter-group cash flow







<sup>[1] \$7.0</sup>m capital injection to NSP offset by \$4.6m service income received from NSP; [2] Including research & development cost and general & admin. expenses; [3] Share of NSP operating loss; [4] Including \$24.3m short-term investment (over 3-month deposit) as at end of 2016; [5] Cash received for SHPL land compensation (10% of total compensation) in Feb'17;

<sup>[4]</sup> including \$24.3in short-term investment lover 3-month deposity as at end of 2016, [5] cash received for SHPL land compensation (10% of total compensa, [6] Please see appendix "Non-GAAP Financial Measures and Reconciliation" for a Reconciliation of GAAP to adjusted research and development expenses.

# Three collaborations have major aggregate financial impact









### ~\$1.2 billion in Partner payments to HMP/NSP<sup>[1]</sup>:

- \$135.5 million in upfront /milestone payments and equity injections as at June 30, 2017.
- **up to \$340 million** in further development and approvals milestones
- **up to \$145 million** in option payments.
- up to \$560 million in commercial milestones.
- customary tiered royalties on net sales.

### Clinical trial spending<sup>[2]</sup>:

- clinical costs for partnered drug candidates estimated at several hundred million US dollars.
- Partners to fund the majority of these clinical costs.

### Possible payment events in H2 2017:

■ Fruquintinib (HMPL-013): NDA approval for third line CRC<sup>[3]</sup>

[3] CRC = Colorectal Cancer.

## Risk-balanced pipeline & strategy



### FIRST-IN-CLASS

be the <u>fastest to solve</u> <u>issues</u> on high potential but difficult targets.

- Fix compound-related issues of failed first movers c-Met (renal tox.) & Syk (selectivity).
- Difficult novel kinase targets with deep body of evidence - FGFR (patient selection).
- Take fast action while others stuck in debate.

## Deep & DIVERSIFIED clinical pipeline.

### **BEST-IN-CLASS**

use chemistry to design differentiated 2<sup>nd</sup> generation TKIs.

- No target related risk VEGFR, EGFR & PI3K8.
- Create 2<sup>nd</sup> generation TKIs w/ high selectivity & superior pharmacokinetic properties.
- A lot of room to optimize 1<sup>st</sup> generation TKIs tolerability, safety, efficacy.
- MULTIPLE fully funded pivotal studies - Not a binary proposition.

### **STRENGTHS**

Lower costs, huge team, & lower-risk / faster clinical - <u>leveraging</u> China's advantages.

- Large China patient population enables rapid
   lower risk development to proof-of-concept.
- Can afford to run ~350-person scientific team to create/manage diversified 8 asset portfolio.
- Practical, minimally dilutive, finance.

 SOLID CASH flow from Commercial Platform & global partners.



## Major market potential

		Pot. launch Year / Territory	Incidence (New pts./yr.) <sup>[1]</sup>	Approx. WAC [2] of various reference TKIs (US\$/month)	Median PFS (months) <sup>[3]</sup>	Potential Peak (US\$) <sup>[4]</sup> Sales Net Income
	Papillary renal cell carcinoma (c-Met-driven)	<b>2021</b> Global	~25,000	\$11,600 (Sutent®) \$10,500 (Afinitor®)	6.2 Ph.II (actual)	
SAVO	NSCLC -2L 1 <sup>st</sup> Gen EGFR TKI refract, Tagrisso combo (MET+ , T790M+/-)		~35,000 - 40,000	\$15,100 (Tagrisso®)	TBD	
SAVO	NSCLC -3L 3 <sup>rd</sup> Gen EGFR TKI refract. Tagrisso combo (MET+)	<b>2021</b> Global	TBD	\$15,100 (Tagrisso®)	TBD	
	NSCLC –2L 1 <sup>st</sup> Gen EGFR TKI refract, Iressa combo (MET+, T790M-)	<b>2021</b> China	TBD	\$1,100 (Iressa®)	TBD	
	3L (or above) Colorectal cancer ("CRC")	2018 Chi <u>na</u>	~50,000 - 60,000	\$14,000 (Regorafenib - global) \$2,870 (Apatinib - China off label)	3.7 Ph.II (actual)	<b>~\$110-160m</b>
FRUQ	3L Non-small cell lung cancer ("NSCLC")	<b>2019</b> China	~60,000 - 70,000	No approved TKIs \$2,870 (Apatinib - China off label)	3.8 Ph.II (actual)	
	2L Gastric cancer combo with Taxol	<b>2020</b> China	~250,000 - 300,000	\$2,870 (Apatinib appr. 3L Gastric) \$1,810 (Apatinib NDRL <sup>[7]</sup> reimbursed)	3.7 Ph.II (actual)	
SULF	Pancreatic neuroendocrine tumors	<b>2019</b> China	~5,000 - 6,000	\$11,000 (Sutent®/Afinitor® - global) \$5,500 (Somatuline® - global)	19.4 Ph.II (actual)	
JULI	Non-pancreatic neuroendocrine tumors	<b>2019</b> China	~50,000 - 60,000	\$11,000 (Sutent®/Afinitor® – global) \$2,190 (Afinitor® China NDRL) \$5,500 (Somatuline® – global)	13.4 Ph.II (actual)	
EPIT	1L EGFR-mutant NSCLC with brain metastasis	<b>2020</b> China	~30,000 - 40,000	\$15,100 (Tagrisso®) - <i>Brain pen.<sup>[6]</sup></i> \$1,100 (Iressa®) - <i>min. brain pen.</i> \$850 (Conmana®) - <i>min. brain pen.</i>	TBD	

[1] Addressable Patient Population = Company estimates considering Frost & Sullivan data, National Central Cancer Registry of China and publicly available epidemiology data; [2] WAC = Wholesaler Acquisition Cost; [3] Last published median Progression Free Survival ("PFS" or time to >20% tumor growth) result for Chi-Med therapy (Chi-Med studies); [4] represents present company estimates; [5] Penetration = % of Addressable Patients treated for an average period equivalent to the median PFS; [6] Tagrisso approval in China expected in 2017; [7] NDRL = National Drug Reimbursement List.

## Apatinib/icotinib - Local company TKIs in China<sup>[1]</sup> Major un-met medical need in China - fruquintinib's opportunity

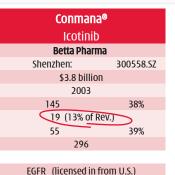


#### Manufacturer Listing Location/Ticker Market Capitalisation (\$US -- Feb 22, 2017) Company 2015 Revenue (US\$ million / 2013-15 CAGR) 2015 R&D Spending (US\$ million / % of Revenues) 2015 Net Profit (US\$ million / 2013-15 CAGR) Commercial Team (# Medical Reps @ end 2015)

Molecular Target / Innovation source

Formulation

Jiangsu Hengrui Medicine				
0276.SS				
\$15.9 billion				
23%				
32%				

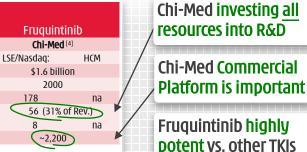


Oral tablet

three times a day)

~1,900

375mg (125mg -





- 5mg/day vs. 850mg & 375mq
- Once daily optimal vs. twice/thrice daily

## Therapy

Total Daily Dose (regime)

Monthly Cost (28 day cycle) -- at Launch (US\$)

Monthly Cost (28 day cycle) -- Current (US\$)

~2,870 ~2,870

None

Phirda [2]

June 2015

Free drug after 3 paid cycles

(i.e. 3 months)

None

VEGFR2 (licensed in from U.S. Co.[3])

Oral tablet

850mg

425mg -- twice daily)

0%

~850 5 Provinces (Zhejiang; Hunan; Guangxi;

Gansu; Inner Mongolia); 2 Cities (Qingdao; Shenzhen) 240 17%

**PhIRDA** 

July 2011 Free drug after 6 paid cycles (i.e. 6 months)

TBD	
TBD	
TBD	
TBD	
TBD	

Colorectal cancer ("CRC").

third-line (TBD)

~413,000 (CRC)

~377.000

~50.000-60.000

1.8 (pbo)

VEGFR1/2/3 (in-house HMP China)

Oral capsule

5mq

5mg -- once daily)

**TBD** 

**TBD** 

Frug. robust clinical efficacy vs. other TKIs

#### China major TKI market potential due to unmet medical need

✓ >\$100 million sales in <5 years

#### Apatinib penetration high - off-label use

Apatinib used in 3<sup>rd</sup> line NSCLC, CRC, etc.

Icotinib penetr. low b/c Iressa®/Tarceva®

#### Patient costs

Reimbursement (Note: Likely only for est. 40-50% of people enrolled in Medical Insurance Scheme for Urban Employees) Population in mkts. w/ reimbursement (million / % China Pop.) Patient Assistance Program ("PAP") Partner

PAP Starting Date **PAP Details** 

2.6 1.8 (pbo) ~660,000 (GC) ~395.000 ~40.000-50.000

> second-line / first-lin	e EGFRm positive				
4.6 / 9.5	3.4 / 9.5 (Iressa®				
~625,000 (NSCLC)					
~600,000 / ~220,000					
~150,000-170,000 / ~220,000					

Non-small cell lung cancer ("NSCLC")

June 2011 (m	ultiple appr. EGF	R TKIs)	TBD (only appr. 3L CRC drug)
	_10		TBD
Αι	ıgust 2011		2018 (Estimated)
2011	9	1%	TBD
2012	48	2%	TBD
2013	78	3%	TBD
2014	116	5%	TBD
2015	145	(0)	TDD

### Market potential

Median Progression Free Survival (months / vs. comparator)

Approved Indication (Appr. Indic.)

Incidence (Overall indication) (Est. New patients/year) Diagnosed (Overall indication) (Est. New patients/year) Addressable Patients (Appr. indication) (Est. New ptnts./year)

Year 5 (Revenues US\$ million/ Est. Penetration in Appr. Indic.)

#### Sales China FDA Approval (competitive approvals?) China NDA Review Time (months) History Launch Date since Year 2 (Revenues US\$ million/ Est. Penetration in Appr. Indic.) Year 3 (Revenues US\$ million/ Est. Penetration in Appr. Indic.) launch Year 4 (Revenues US\$ million/ Est, Penetration in Appr. Indic.)

October 2014 (only appr. 3L GC drug) Year 1 (Revenues US\$ million/ Est. Penetration in Appr. Indic.) 2015

July 2015 2016

38

[1] China Cancer Registry; Betta Pharma IPO prospectus; China 2010/2015 census; Goldman Sachs; [2] PhIRDA = China Pharmaceutical Innovation & Research Development Association; [3] Advenchen Labs. California; [4] HMP = Hutchison MediPharma

# Targeted therapies – fastest growth & largest<sup>[1]</sup> Pricing beyond reach of the 8.1 million cancer patients in China



	% of Oncology Market <sup>[4]</sup>	Sub-Category	Share of Sub- category	Product	Company	Value Sales (\$m)	Approx. Monthly Pricing (\$)	12 mo. treatment (Est. # patients)
	23.0%	Targeted	19.5%	rituximab	Roche	327	13,090	2,090
		Therapies	14.9%	trastuzumab	Roche	250	4,500	4,640
			14.2%	imatinib	Novartis	238	6,320	3,140
			9.5%	gefitinib	AstraZeneca	160	2,730	4,870
Global Oncology 📉 📜			8.2%	bevacizumab	Roche	138	11,590	990
			7.4% 5.3%	erlotinib cetuximab	Roche BMS/BI	124 89	2,040 14,150	5,070 520
drug market <sup>[1]</sup> :			5.5% 4.6%	sorafenib	Bayer	69 77	7,250	890
			4.0%	bortezomib	Janssen	67	6,360	880
¢177 billion			12.4%	Other	Julissell	208	0,500	000
\$176 billion				Total Targeted	Therapies	1,679		23,080
	20.4%	Anti-metabolites	29.1%	pemetrexed	Lilly/Hansoh	433		
			21.5%	capecitabine	Roche	320		
			20.4%	TS-1	Taiho/Qilu	304		
China Oncologu			16.6%	gemcitabine	Lilly/Hansoh	247		
China Oncology			12.4%	Other Total Anti-Meta	holitos	185 1,489		
Market <sup>[2]</sup> :				וטנמו אוונו־יייכנמ	inolites	1,407		
\$7.3 billion	19.7%	Plant Alkaloids	49.3%	paclitaxel	BMS/Luye	709		
			42.4%	docetaxel	Sanofi/Hengrui	609	High-low	ol analucic for
			8.4%	Other		120	nigii-iev	rel analysis for
China				Total Plant Alka	aloids	1,438	neneral i	reference only
	10.5%	DNA Damaging	46.5%	oxaplatin	Sanofi/Hengrui	356	generari	crerence only
Pharmaceutical Pharma	10.5%	agents	21.3%	temzolomide	Merck/Tasly	163		
		_	13.1%	nedaplatin		100		
Market <sup>[3]</sup> :			4.3%	carboplatin		33		
I I I I I I I I I I I I I I I I I I I			14.8%	Other		113		
\$80 billion`\				Total DNA Dam	aging Agents	767		
	6.1%	Hormones	29.8%	letrozole	Novartis/Hengrui	133		
	01170		23.0%	bicalutamide	AstraZeneca	102		
			19.5%	anastrozole	AstraZeneca	87		
			17.1%	exemestane	Pfizer/Qilu	76		
Source: Frost & Sullivan; [1] 2016 global oncology market value sales;			10.6%	Other		47		
[2] 2016 China oncology market value sales;	•			<b>Total Hormone</b>	S	445		

69 [3] 2016 China pharmaceutical market value sales; [4] As of 2014.

# National Drug Reimbursement List Pricing ("NDRL") July'17 update - 15 new drugs in oncology<sup>[1]</sup> added to NDRL



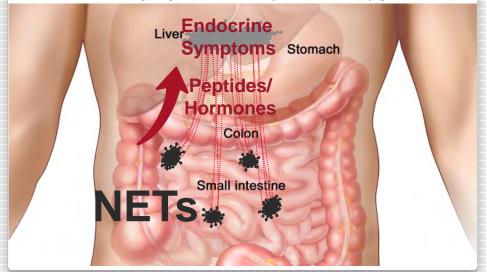
		Į	Jnit Pricing (USS	5) <sup>[3]</sup>	Approximate Moi	nthly Pricing (US:	\$) <sup>[3]</sup>	
Brand (generic)	Company	Dosage	Avg. Tender	Reimbursed ∆%	Dosage	Avg. Tender R	eimbursed	Indication coverage
Herceptin® (trastuzumab)	Roche	440mg:20ml	\$3,298.81	\$1,125.93 <b>-66%</b>	Breast: 4mg/kg wk 1, 2mg/kg weekly. <sup>[2]</sup>	\$4,500	\$1,540	Breast: Her2+; Her2+ meta. Her2+ late-stage meta. gastric.
Avastin® (bevacizumab)	Roche	100mg:4ml	\$772.74	\$296.00 <b>-62%</b>	10mg/kg Q2W.	\$11,590	\$4,440	Late-stage meta. CRC or advanced non-squamous NSCLC.
TheraCIM®[4] (nimotuzumab)	Biotech Pharma	50mg:10ml	\$435.26	\$251.85 <b>-42%</b>	100mg weekly.	\$3,730	\$2,160	Combo with radiotherapy for EGFR+ Stage III/IV nasopharyngeal carcinoma.
<b>Rituxan®</b> (rituximab)	Roche	500mg:50ml <sup>[2]</sup>	\$2,544.74	\$1,228.15 <b>-52%</b>	375 mg/m² weekly.	\$13,090	\$6,320	Restorative or resistant follicular central type lym.; CD20+ stage III-IV follicular NHL, CD20+ DLBCL.
Tarceva® (erlotinib)	Roche	150mg <sup>[2]</sup>	\$68.15	\$28.89 <b>-58%</b>	150mg Q.D.	\$2,040	\$870	Advanced NSCLC with limited EGFR gene mutation.
Nexavar® (sorafenib)	Bayer	0.2g	\$60.44	\$30.07 <b>-50%</b>	400mg BID.	\$7,250	\$3,610	Unresectable RCC. Unresectable HCC. meta. Diff. thyroid after radio-iodine therapy.
<b>Tykerb®</b> (lapatinib)	GSK	250mg	\$17.63	\$10.37 <b>-41%</b>	1,500mg QD.	\$3,170	\$1,870	Adv./meta. breast cancer with Her2 O/E, after anthracycline, paclitaxel, trastuzumab.
<b>AiTan®</b> (apatinib)	Hengrui	425mg <sup>[2]</sup>	\$47.85	\$30.22 <b>-37%</b>	850mg QD.	\$2,870	\$1,810	3L gastric adenocarcinoma or esophageal junction with adenocarcinoma.
<b>Velcade®</b> (bortezomib)	181	3.5mg <sup>[2]</sup>	\$1,873.78	\$906.07 <b>-52%</b>	1.3mg/m² quartic every 3 wks.	\$6,360	\$3,080	Myeloma; recurring or refractory mantle cell lymphoma.
EnDu® (rh-endostatin)	Simcere	15mg	\$132.15	\$93.33 <b>-29%</b>	7.5mg/m² iv QD 2-wks- on / 1-week-off.	\$2,110	\$1,490	Late-stage NSCLC.
<b>Epidaza®</b> (chidamide)	Chipscreen	5mg	\$81.48	\$57.04 <b>-30%</b>	30mg QD, 2x per wk.	\$4,190	\$2,930	2L+ Recurring or refractory peripheral T-cell lymphoma (PTCL).
<b>Zytiga®</b> (abiraterone)	J&J	250mg	\$45.63	\$21.48 <b>-53%</b>	1,000mg QD.	\$5,480	\$2,580	Metastatic or ovariectomized prostate cancer.
Faslodex® (fulvestrant)	AstraZeneca	250mg:5ml	\$806.81	\$355.56 <b>-56%</b>	500mg per month.	\$1,610	\$710	Advanced ER/PR+ breast can., failing aromatase inhibitor.
Afinitor® (everolimus)	Novartis	5mg <sup>[2]</sup>	\$36.44	\$21.93 <b>-40%</b>	10mg QD.	\$2,190	\$1,320	Adv. RCC after sunitinib or sorafenib. Adv./meta. pancreatic NETs. Tuberous sclerosis with renal angiomyolipoma.
<b>Revlimid</b> (lenalidomide)	Celgene	25mg <sup>[2]</sup>	\$413.93	\$163.26 <b>-61%</b>	25mg QD 3-wks-on / 1-wk-off.	\$9,310	\$3,670	2L+ Recurring myeloma.

Source: Ministry of Human Resources and Social Security (MOHRSS); Yaozhi; BofA Merrill Lynch Global Research.
[1] Excluding 3 botanical oncology drugs; [2] Reference SKU or reference recommended dosage for monthly pricing calculation; [3] Calculation assumes an exchange rate of CN¥6.75 per US\$1; [4] Marketed as Tai Xin Sheng® in China.

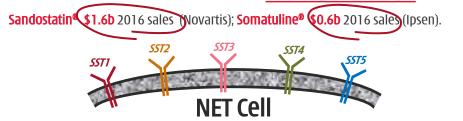
# Neuroendocrine tumors ("NET") Sulfatinib potential advantages



1. NETs release peptides & hormones that cause endocrine symptoms such as hot flushes, diarrhea, nausea, heart palpitations & (abdominal) pain.



2. Somatostatin analogues ("SSTA"): Inhibit peptide/hormone release for symptom control.



## 3. Available NET therapies – control symptoms/tumor growth but provide minimal tumor shrinkage:

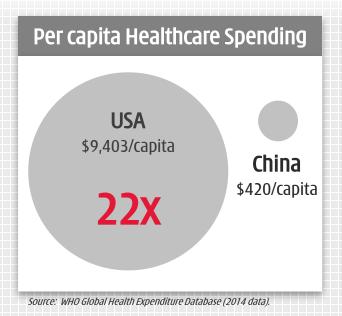
- Sandostatin® & Somatuline® (SSTAs) are used primarily for symptom control in early stage NET (Ki67 < 10%) SSTAs do provide some tumor growth control (DCR/mPFS) but almost no tumor shrinkage (ORR);
- Lutathera® radio nucleotide SSTA delivers radiation to NET via SST receptors very effective <40 mo. mPFS & ~18% ORR in midgut NET (~21% of NETs) with MoA potential in other NETs. Primary issues around logistics half-life 3 days requiring efficient product supply systems not very practical for broad scale usage in developing world;
- Sutent® & Afinitor® in pancreatic NET & certain lung/GI NETs provide tumor growth control (DCR/mPFS) but low tumor shrinkage (<10% ORR)</p>

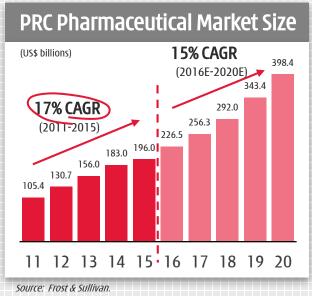
#### 4. Emerging advantages of sulfatinib:

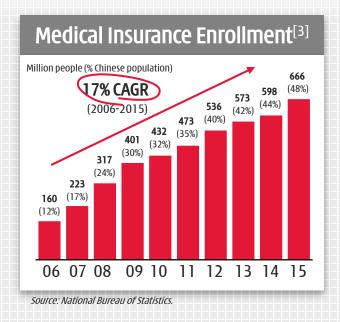
- Broad spectrum NET efficacy:
  - (1) Tumor control & shrinkage across all NET sub-types;
  - (2) Unique angio-immuno MoA **2L usage** (post failure on 1L therapy);
  - (3) Efficacy in ~20% of NET patients without overexpressed SST receptors.
- Convenience/cost:
  - (1) **Oral formulation** vs. very short half-life (3 days) injection (Lutathera®);
  - (2) **Cost/pricing vs. Lutathera**® est. >\$200k/yr.; Sutent® \$140k/yr.

# China pharma market set to become the second largest globally in 2016/2017









- China pharmaceutical industry growth 17% CAGR<sup>[1]</sup> from 2011-2015 one of the highest rated industries in China with average P/E ratio of 36 for the 61 listed companies (next slide).
- Government healthcare spending grew 14% CAGR<sup>[2]</sup> from 2011 2015 and continues to increase rapidly - Strategic priority.
- Expansion of State Medical Insurance Schemes<sup>[3]</sup> Link to increased drug reimbursement & sales.

## China Commercial Platform has substantial value



- Chi-Med's Commercial Platform continues to perform well relative to our peer group.
- The market value, based on China Pharma PE multiples is approximately \$2.0 2.3 billion. Given our share in the JVs, Chi-Med's share of this value is approximately \$1.0 1.1 billion.

			NET SALES			NET I	NCOME		VALUA	TION
	Code	2015	2016	15-16 Growth	2015	2016	15-16 Growth	2016 Margin	Market Cap.	P/E <sup>[2]</sup>
CHI-MED Commercial Platform Subsidiaries/JVs <sup>[1]</sup>		518.9	627.4	21%	54.1	63.3	17%	10%	n/a	n/a
Tianjin Zhong Xin Pharma	600329	1,075.4	925.0	-14%	69.5	61.0	-12%	7%	2.062	29
Li Zhu Pharma	000513	1,005.5	1,145.5	14%	100.2	124.2	24%	11%	4,868	33
Shandong Dong E E Jiao	000423	827.7	945.7	14%	248.8	277.7	12%	29%	6,557	21
Zhejiang Kang En Bai Pharma	600572	805.3	901.3	12%	76.5	60.5	-21%	7%	2,865	35
Kunming Pharma	600422	746.6	763.6	2%	65.5	61.3	-6%	8%	1,389	25
Guizhou Yi Bai Pharma	600594	501.6	551.9	10%	29.2	58.9	102%	11%	1,642	24
Jin Ling Pharma	000919	489.3	535.7	9%	39.8	33.3	-16%	6%	822	32
Jiangsu Kang Yuan	600557	428.4	449.1	5%	55.5	56.3	2%	13%	1,452	23
Zhuzhou Qian Jin Pharma	600479	371.6	428.9	15%	13.4	26.0	93%	6%	726	27
ZhangZhou Pian Zai Huang	600436	282.3	345.7	21%	13.4	75.9	8%	22%	5,425	52
Peer Group Weighted Avg. (10 Comps. excl. Chi-Med)		653.8	699.2	7%	75.4	83.5	9%	12%	2,781	32
All 61 ) isted China Pharma. Companies Weighted Average		1,008.3	1,155.0	15%	80.4	96.1	19%	8%	3,238	36

Peer Group: 10 companies (excl. Chi-Med) selected as ALL listed and profitable mainland Chinese OTC/RX pharma manufacturing companies, with a focus on similar product types, and 2016 Net Sales in the ~\$350-1,200 million range.

<sup>[1]</sup> Total aggregate PRC domestic results of Chi-Med's 6 Commercial Platform companies (HBYS, SHPL, Hutchison Sinopharm, HHO, HHL, & HCPL), excluding discontinued operations and land compensation from SHPL; [2] Price Earnings Ratio as at **September 13th, 2017**: Trailing Twelve Month PE weight averaged based on market capitalization; [3] Peer group/China Pharma multiple of 32-36x 2016 actual Net income after tax of \$63.3 million (excluding one-time property gain of \$80.8 million).

# Innovation Platform proxy peer group (1/2) A very deep pipeline and a very large organization/operation



	MI	ct Cap (Oct	16)	Ent.			Overview of pipeline assets			# of	# (	of studi	es
Name	2017	2016	2015	Value <sup>[1]</sup>	Staff	Drug	Studies	Phase	Partner	drugs	Р3	P2	P
Genmab	13,909	10,006	5,682	13,16	205	Arzerra (ofatumumab)	CLL, follicular lymph.	Mktd, P3	Novartis	11	3	7	5
						Ofatumumab (subcutaneous)	Relapsing multiple sclerosis	P3	Novartis				
						Darzalex (daratumumab)	Double-refractory MM, Amyloidosis, NHL, natural killer / t-cell lym.,	Mktd, Reg., P3, 3x	Janssen	•			
							myelodysplastic syndromes, solid tumors	P2,					
						Tisotumab vedotin	Solid cancers	P2	Seattle Gen.				
						HuMax-AXL-ADC	Solid cancers	P2	Seattle Gen.				
						AMG 714	Celiac disease	P2	Amgen				
						Teprotumumab	Graves' orbitopathy	P2	Horizon				
						HuMax-TAC-ADC (ADCT-301), JNJ-61186372	, Lymphoma, AML, NSCLC, relapsed or refractory MM, AML	5xP1	ADC, JNJ				
						-64007957, -63709178	, -5						
xelixis	8,529	2,607	1,307	8,682	287	Cabometyx / Cometriq	Medullary thyroid cancer, adv. renal CC, adv. hepatocellular carcinoma,	2xMktd, Reg., 3xP3	, Ipsen, Takeda	6	6	22	4
						(Cabozantinib)	NSCLC, genitourinary tumors & other indications	14xP2					
						CS-3150 (esaxerenone)	Hypertension, diabetic nephropathy	2xP2	Daiichi-S.				
						Cotellic (cobimetinib)	Metastatic or unresectable locally advanced melanoma, CRC, BC	Mktd, 3xP3, P2,	Genentech				
								P1					
						SAR245408 (XL147)	Variety of cancer indications	P2	Sanofi				
						SAR245409 (XL765)	NHL, glioblastoma, lym., BC, leukemia, combos w/ Treanda, Rituxan	4xP2, P1	Sanofi				
						XL888	BRAF V600 Mutation-Pos advanced melanoma, Malignant melanoma	2xP1					
esaro	6,519	5,910	1,808	6,124	446	Rolapitant IV (oral: Varubi)	CINV (oral and IV)	Mktd, Reg.	Opko	4	1	3	:
						Zejula (niraparib)	Ovarian cancer maintenance, ovarian cancer treatment	Mktd, Reg., P3, P2	Merck				
						Niraparib + Keytruda (pembro.)	Triple-negative BC or ovarian cancer (TOPACIO study)	P2	Merck				
						Niraparib + Avastin (bevaciz.)	Ovarian cancer (AVANOVA study)	P2	Roche				
						Niraparib + chemotherapy; TSR-042; TSR-	Ewing's sarcoma, various tumor types	3x P1	AnaptysBio,	•			
						022			SARC				
ialapagos	5,209	3,002	1,897	3,490	530	Filgotinib	RA, CD, ulcerative colitis, small bowel CD, Fistulizing CD, Sjogren's syndrome,	3xP3, 8xP2	Gilead	8	3	12	3
							ankylosing spondylitis, psoriatic arthritis, cutaneous lupus erythematosus,						
							uveitis						
						GLPG1837	Cystic fibrosis	P2	AbbVie				
						GLPG1690	Idiopathic pulmonary disease	P2	-				
						GLPG2222	Cystic fibrosis	P2	AbbVie				
						GLPG1972, MOR106, GLPG2737	Osteoarthritis, Atopic dermatitis, cystic fibrosis	3xP1	Servier,				
									Morphosys				
						GLPG1205	Undisclosed - targets GPR 84	P2	-				
uno	4,788	2,961	5,049	3,794	548	JCAR018	Acute lymphoblastic leukemia, NHL	2xP1	Celgene	. 9	0	2	10
						JCAR017	NHL	P1	Celgene				
						JCAR014	NHL, CLL	2xP1	-				
						JTCR016	AML, NSCLC / mesothelioma	2xP2	-				
						BCMA, JCAR023, JCAR020, JCAR024,	MM, pediatric neuroblastoma, ovarian, NSCLC / BC, lung	5xP1	-				
						Lewis Y							

Source: Company data, FactSet, Press

Key: Lynchon Steeler Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CRC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Markete Myeloma; CRC = Cell Carcinoma; Myeloma; Myelom

<sup>[1]</sup> As of October 16, 201

# Innovation Platform proxy peer group (2/2) A very deep pipeline and a very large organization/operation



	Mkt	Cap (Oct	16)	Ent.			Overview of pipeline assets			# of	#0	f studie	s
Name .	2017	2016	2015	Value[1]	Staff	Drug	Studies	Phase	Partner	drugs	Р3	P2	P
Puma	4,619	1,766	2,679	4,441	174	Neratinib (PB272)	Adjuvant BC, neoadjuvant BC, metastatic BC, metastatic BC, met. her2 BC	Mktd., P3, 8xP2	-	1	1	8	0
Clovis	4,118	1,225	3,707	3,431	278	Rubraca (rucaparib)	Advanced ovarian cancer, ovarian cancer treat./maint., prostate, triple	Mktd, 3xP3, 6xP2,	-	1	3	6	1
							negative BC, BC, gastro esophageal, gynecological	P1					
BeiGene <sup>(a)</sup>	3,750	1,038	NA	3,492	397	BGB-3111; BGB-3111 + Gazyva	Waldenstrom's macro., relapsed or refractory MCL	P3, P2, P1b	-	4	1	6	4
						BGB-A317	Advanced cancers, b-cell malignancies	P2, P1b	Celgene				
						BGB-290	Solid tumors, glioblastoma	P1b, P1					
						BGB-283	Solid tumors	P1b, P1					
						BGB-A317 + BGB-290; BGB-A317 + BGB	-Solid tumors	2xP1					
						3111							
Agios	3,428	1,978	2,656	2,739	287	Idhifa (enasidenib / AG-221)	R/R AML, frontline AML	Mktd., P3, 2xP2	Celgene	4	3	5	3
						lvosidenib (AG-120)	Frontline AML, R/R AML, solid tumors, cholangiocarcinoma	2xP3, 2xP2, 2xP1	-				
						AG-348	PK deficiency	P2	-				
(b)						AG-881	Solid tumors	P1	Celgene				
4orphosys <sup>(b)</sup>	2,592	1,207	1,717	2,401	351	MOR 208	CLL, SLL, DLBCL	P3, 3xP2	-	3	3	4	
						MOR202	Multiple myeloma	P2	-				
- (6)						MOR107	Undisclosed	P1					
Array <sup>(b)</sup>	2,358	1,068	761	1,869	177	ARRY-797	LMNA-related DCM	P2	-	2	0	2	0
						ARRY-382	Solid tumors	P2	-				_
Ziopharm	800	665	1,450	877	36	Ad-RTS-IL-12	Locally adv. or met. BC, recurrent or progressive glioblastoma, pediatric brain	P3, 3XP1	Intrexon	4	1	0	1
						CAR / cytokine product, NK Cells	tumor Leukemia / lym., AML, undisclosed	7xP1	Intrexon, MD				
						program, TCR program	Leukeilla / Tylli., AML, ulluiscioseu	/XPT	Anders., Merck				
AVERAGE	E 053	3 70/	2 / 10	4,548	299	program, rck program			Alideis., Merck	-	_	-	_
MEDIAN	5,052 4,369	2,786 1,872	2,610 1,897	4,546 3,491	287					) /	2	0	4
Innovation	4,307	1,072	1,077	3,471	~350	Savolitinib (AZD6094)	PRCC, CCRCC, NSCLC, gastric cancer, pulmonary sarcomatoid carcinoma	P3, 6xP2, 6xP1b	AstraZeneca	4 Q	4	18	1
Platform					~530	`				0	0	10	
riauoiiii						Fruquintinib	CRC, NSCLC, caucasian bridging, gastric cancer	Reg., 2xP3, P2, P1	Eli Lilly				
						Sulfatinib	Pancreatic and non-pancreatic NETs, Caucasian bridging, medullary thyroid	2xP3, 3xP2, P1	-				
							cancer, differentiated thyroid cancer, biliary tract						
						Epitinib	NSCLC, glioblastoma	P3, P2	-				
						Theliatinib	Solid tumors, esophageal cancer	P1b, P1	-				
						HMPL-523	RA, hematological cancers, immunology, lym.	4xP1	-				
						HMPL-689	Hematological cancers, lym.	2xP1	-				
						HMPL-453	Solid tumors	2xP1	-				

a) Collaboration with Celgene announced 07/05/17 in which BeiGene acquired Celgene's commercial operations in China including rights in China to the commercial drugs Abraxane, Revlimid and Vidaza as well as pipeline agent CC-122. Celgene paid \$413mm upfront and up to \$980mm in future milestone payments to BeiGene for ex-Asia (excluding Japan) rights to BGB-A317

b) Only non-partnered products included for Morphosus and Array

Source: Company data, FactSet, Press

[1] As of October 16, 2017

Key: Lym. = lymphoma; NHL = Non-Hodgkin's Lymphoma; AML = acute myeloid leukemia; RA = Rheumatoid Arthritis; MM = Multiple Myeloma; CC = Cell Carcinoma; NSCLC = Non-Small Cell Lung Cancer; BC = Breast Cancer; CRC = colorectal cancer; Mktd = Marketec Reg. = Under Registration. CD = Crohn's disease

(\$ millions unless otherwise stated)

## Non-GAAP Financial Measures and Reconciliation (1/3)



## Reconciliation of Adjusted Research and Development Expenses: (Page 62 and Page 64)

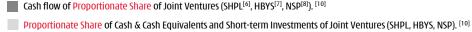
H1 2017 H1 2016 Research and development expenses (31.2)(31.6)Plus: Innovation Platform - administrative and other expenses (3.6)(2.8)Plus: Equity in earnings of equity investees - NSP and other (2.4)(2.1)Plus: Innovation Platform - interest income 0.1 0.1 Adjusted research and development expenses (37.5)(36.0)

## Reconciliation of Top 7 products' Gross Profit as Percentage of Aggregated Gross Profit for Commercial Platform: (Page 57)

	H1 2017
Sales of goods—third parties and related parties	103.9
Less: Costs of sales of goods—third parties and related parties	(89.4)
Consolidated gross profit	14.5
Plus: Gross profit—HBYS and SHPL	140.9
Adjusted gross profit	155.4
Top 7 products gross profit	137.7
% of Top 7 products to adjusted gross profit	89%

## Non-GAAP Financial Measures and Reconciliation (2/3)





- Cash flow of Chi-Med & its Subsidiaries under Equity Accounting.
- Cash & Cash Equivalents and Short-term Investments of Chi-Med & its Subsidiaries.

149.2 [1]	9.5	(5.6)	2.4	1.4	156.9[1]
45.5	(9.9) <sup>[2]</sup>	4.5 [3]	3.6 [4]	0.7	44.4

103.7	19.4	(10.1) <sup>[5]</sup>	(1.2)	0.7	112.5
Cash & Cash Equivalents and Short-term Investments Dec 31, 2016	Operating activities	Investing activities	Financing activities	FX Diff	Cash & Cash Equivalents and Short-term Investments Jun 30, 2017

- [1] Cash & Cash Equivalents and Short-term Investments of Chi-Med & its Subsidiaries & Proportionate Share of Joint Ventures (SHPL, HBYS, NSP).
  [2] \$32.7m proportionate share of cash generated from operating activities less \$42.6m adjustment of dividend received in consolidation level.
- [3] \$15.1m proportionate share of cash generated in investing activities and \$7.0m adjustment of capital injection to NSP in consolidation level offset by \$17.6m adjustment of net proceeds from short-term investments.
- [4] \$32.0m proportionate share of cash used in financing activities offset by \$35.6m adjustment mentioned in item [2] and [3].
- [5] \$14.2m of cash from investing activities offset with \$24.3m adjustment of net deposit in short-term investments.

Reconciliation of Cash Flow of Pro	portionate	Share of J	oint Ventui	res (SHPL, I	HBYS, NSP)	
	As at Dec 31, 2016	Operating Activities	Investing Activities	Financing Activities	Effect of FX	As at Jun 30, 2017
Summary for SHPL, HBYS and NSP (100%)	91.0	65.4	(5.0)	(63.9)	1.3	88.8
Chi-Med share (50%)	45.5	32.7	(2.5)	(32.0)	0.7	44.4
Adjust dividend paid by HBYS and SHPL from financing activities to operating activities	-	(42.6)	-	42.6	-	-
Adjust NSP Capital injection from financing activities to investing activities	-	-	7.0	(7.0)	-	-
Total after adjustments	45.5	(9.9)	4.5	3.6	0.7	44.4

# Non-GAAP Financial Measures and Reconciliation (3/3)



#### Reconciliation of Non-GAAP Sales and Non-GAAP Net (loss)/income after tax<sup>[1]</sup>

- Prescription Drugs: includes our Consolidated subsidiary (Hutchison Sinopharm) and Non-consolidated joint venture (SHPL);
- Consumer Health: includes our Consolidated subsidiaries (HHO, HHL and HCP) and Non-consolidated joint venture (HBYS).

					IFR:	S							US G/	AAP			H1'16-H1'17
(US\$ millions)	03	04	05	06	07	08	09	10	11	12	13	14	15	16	H1′16	H1'17	Growth
Sales (Non-GAAP)	21.9	27.9	65.1	101.4	119.0	155.8	197.0	236.4	278.6	360.7	402.3	465.4	518.9	627.4	331.9	357.0	8%
Prescription Drugs	17.2	21.8	23.3	23.2	28.1	39.5	54.4	71.2	92.4	116.5	138.2	204.9	286.6	<i>372.3</i>	194.5	215.5	11%
- Consolidated subsidiary	-	-	-	-	-	-	-	-	-	-	-	50.2	105.5	149.9	67.6	85.8	27%
- Non-consolidated joint venture	17.2	21.8	23.3	23.2	28.1	39.5	<i>54.4</i>	71.2	92.4	116.5	138.2	<i>154.7</i>	181.1	222.4	126.8	129.7	2%
Consumer Health	4.7	6.1	41.8	<i>78.2</i>	90.9	<i>116.3</i>	142.6	165.2	186.2	244.2	264.1	260.5	232.3	255.1	137.4	141.5	3%
- Consolidated subsidiaries	4.7	6.1	9.3	8.9	3.7	5.5	7.0	14.1	14.9	<i>15.5</i>	16.5	16.8	20.7	31.0	14.6	18.1	24%
- Non-consolidated joint venture	-	-	<i>32.5</i>	69.3	87.2	110.8	135.6	151.1	171.3	228.7	247.6	243.7	211.6	224.1	122.7	123.4	1%
Total Sales Growth	n/a	27%	133%	56%	17%	31%	26%	20%	18%	29%	n/a	16%	11%	21%	16%	8%	
Net (loss)/Income after tax (Non-GAAP)	(10.7)	(3.6)	2.2	6.7	11.2	14.7	21.5	27.9	30.1	33.1	39.7	48.8	54.1	144.1 <sup>[3]</sup>	47.9	51.9 <sup>[4]</sup>	8%
Prescription Drugs	(0.4)	1.3	1.9	1.3	1.9	2.8	6.0	11.9	14.2	17.7	22.4	26.5	31.9	122.2	30.6	38.8	27%
- Consolidated subsidiary	-	-	-	-	-	-	-	-	-	-	-	0.1	0.6	1.6	1.0	1.1	5%
- Non-consolidated joint venture	(0.4)	1.3	1.9	1.3	1.9	2.8	6.0	11.9	14.2	17.7	22.4	26.4	31.3	120.6	29.6	<i>37.7</i>	28%
Consumer Health	(10.3)	(4.9)	0.3	5.4	9.3	11.9	15.5	16.0	<i>15.9</i>	15.4	17.3	22.3	22.2	21.9	17.3	13.1	-24%
- Consolidated subsidiaries	(10.3)	(4.9)	(2.9)	(2.4)	0.2	-	0.8	1.0	(0.4)	(1.1)	0.1	1.5	0.8	1.5	0.2	1.6	<i>)100%</i>
- Non-consolidated joint venture	-	-	3.2	7.8	9.1	11.9	14.7	<i>15.0</i>	<i>16.3</i>	<i>16.5</i>	17.2	20.8	21.4	20.4	17.1	11.5	-33%
% Margin	-48.9%	-12.9%	3.4%	6.6%	9.4%	9.4%	10.9%	11.8%	10.8%	9.2%	9.9%	10.5%	10.4%	23.0%	14.4%	14.5%	
Net (loss)/income attrib. to Chi-Med	(5.7)	(3.7)	(0.5)	1.2	4.5 <sup>[2]</sup>	5.9 <sup>[2]</sup>	9.3 <sup>[2]</sup>	12.6 <sup>[2]</sup>	13.6 <sup>[2]</sup>	14.6 <sup>[2]</sup>	18.2 <sup>[2]</sup>	22.8 <sup>[2]</sup>	25.2 <sup>[2]</sup>	70.3 <sup>[3]</sup>	22.1	25.2 <sup>[4]</sup>	14%
Prescription Drugs	(0.2)	0.6	1.0	0.7	0.9	1.4	3.0	5.9	7.1	8.8	11.2	13.2	15.9	61.1	15.3	19.4	27%
Consumer Health	(5.5)	(4.3)	(1.5)	0.5	3.6	4.5	6.3	6.7	6.5	5.8	7.0	9.6	9.3	9.2	6.8	5.8	-16%
Net (loss)/income attrib. to Chi-Med growth	n/a	-35%	-86%	340%	275%	31%	58%	35%	8%	7%	n/a	26%	10%	180%	12%	14%	

<sup>[1] 2003-2006</sup> incl. disco. operation; [2] Continuing Operations; [3] Included the land compensation from SHPL of US\$80.8 million and US\$40.4 million at net income after tax and net income attributable to Chi-Med respectively; [4]Included SHPL's R&E related subsidies of US\$5.9 million and \$2.5 million at net income after tax and net income after

