

HUTCHISON CHINA MEDITECH

Interim Results - six months to June 30<sup>th</sup> 2015

(AIM: HCM) 28 July 2015

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The Presentation should be read in conjunction with Chi-Med's final results for the six months ended 30 June 2015, copies of which are available on Chi-Med's website (www.chi-med.com).

## Vision & strategy

#### Two main platforms converging towards vision



## To become a major China-based global pharmaceutical company

an innovator in targeted therapies globally; & as a result a leader in China oncology

#### **Innovation Platform**

#### the leading China-based innovator in oncology & immunology

- ✓ 7 clinical drug candidates in 17 studies worldwide.
- Many global first-in-class or best-in-class as well as Breakthrough Therapy potential.
- √ >250-person R&D team producing 1-2 novel drug INDs per year.

#### **Commercial Platform**

#### a powerful commercial network in China pharma

- ✓ Over 3,000-person China sales team clear focus on Prescription Drugs business (>1,800 medical reps).
- Existing China pharma sales of >\$500m in 2015.<sup>[1]</sup>
- ✓ Ready to rapidly commercialise Innovation Platform drugs once approved in China.

## H1 2015 Financial Results

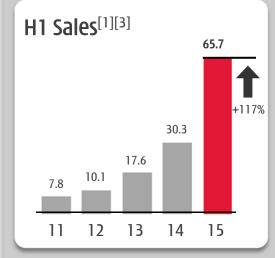
## Pushing our clinical pipeline as hard and fast as we can

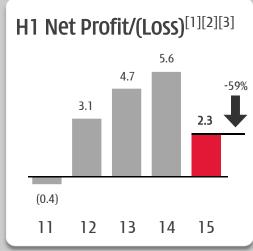


#### **Group Results:**

	H1-2015	H1-2014	Change
IFRS11 Revenue	65.7	30.3	+117%
Unconsolidated 50/50 JV Revenue	229.8	224.5	
Net Profit/(Loss): <sup>[2]</sup>			
Innovation Platform	(11.7)	(6.3)	-84%
Base HMP Operation	(10.0)	(1.3)	
50% share of Nestlé JV (NSP <sup>[5]</sup> )	(1.7)	(5.0)	
Commercial Platform	19.9	17.3	+15%
Prescription Drugs Business	11.9	10.4	
Consumer Health Business	8.0	6.9	
Chi-Med Group Costs	(5.9)	(5.4)	-8%
Head office overheads/expenses	(4.3)	(3.9)	
Interest/Tax	(1.6)	(1.5)	
NPAT on Continuing Operations	2.3	5.6	-59%
Discontinued operations	-	0.9	
NPAT Attrib. to Chi-Med Hldrs. [4]	2.3	6.4	-64%
Earnings per share	4.3 ¢	12.4 ¢	-65%

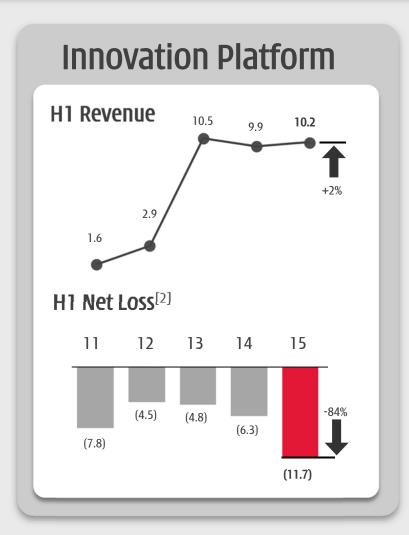
#### 5-Year Trend:

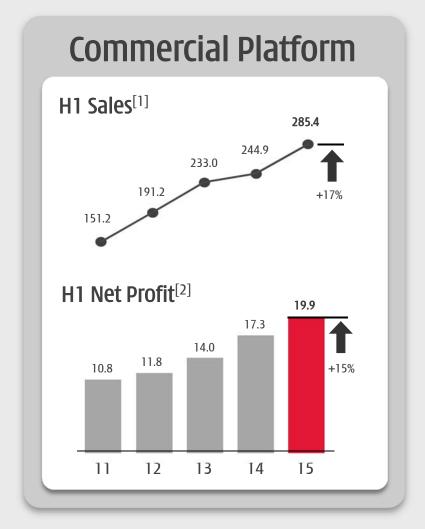






## ~\$30m spent on clinical candidates in H1 2015







## Strategy - Chemistry-led approach



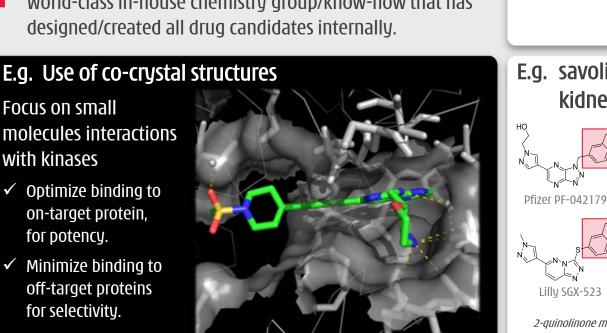
Superior small molecules w/ global first-in-class or best-in-class potential

#### Focus on kinase selectivity

- Inhibit only the specific target, with minimal or no, offtarget kinase inhibition.
- More potent, better target coverage, less tox., & combinable.

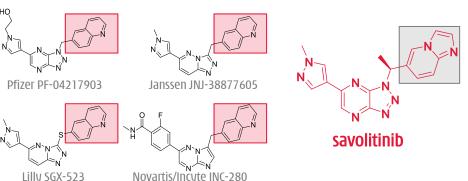
#### Fragment-based design of NCEs[1]

World-class in-house chemistry group/know-how that has designed/created all drug candidates internally.



## E.g. fruquintinib: designed to only inhibit **VEGFR 1,2,3** Inhibition at 1 µM Screening at 1µM against 253 Kinases

#### E.g. savolitinib: designed to eliminate potential kidney tox.



2-quinolinone metabolite in humans in 1st gen cMet compounds has dramatically reduced solubility and appeared to crystallize in the kidney resulting in obstructive toxicity. [2]

Focus on small

with kinases

molecules interactions

✓ Optimize binding to

for potency.

on-target protein,

✓ Minimize binding to off-target proteins

for selectivity.

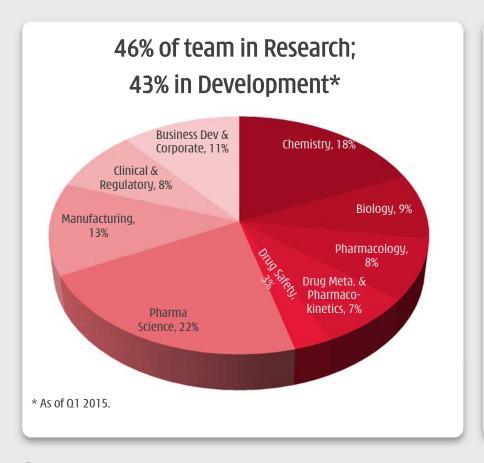
## Capability – Fully integrated, in-house platform



## 13 years, ~250 scientists & staff, w/ over \$300m invested to-date

#### The leading China-based innovator in oncology & immunology

Deeply resourced in Research. Well positioned for Development.



#### **OUR ADVANTAGES**

- ✓ Large-scale fully integrated in house platform chemistry, biology, pharmacology, DMPK, tox., CMC, C&R, and translational organisations working together seamlessly and continuously.
- ✓ China clinical speed

  major unmet medical needs (3.8 million new cancer patients/year),
  rapid development and regulatory support. Allows for study of
  multiple indications, PoC in China.
- ✓ **Competitive costs** overall clinical costs, particularly pre-PoC, a fraction of US or Europe.
- ✓ **Constancy of purpose**13 years with continuous financial support.

## 17 active clinical trials, 7 more by end 2015



## 7 clinical candidates -15 possible Breakthrough Therapy indications

Program	Target	Partner	Indication	Study No.	Line	Target patient	Combo therapy	Locatn.	Preclin.	Ph.I	Ib	Ph.II / POC	Ph	.III
			Papillary renal cell carcinoma	<b>1</b> , enrolling	1st	All		Global			n/a	*	·	
			Papillary renal cell carcinoma	<b>2</b> , H2 2015	1st	All	MEDI4736 (PD-L1)	Global				*		
		Ą	Clear cell renal cell carcinoma	<b>3</b> , H2 2015	2nd	VEGF TKI ref.		Global				*		
		AstraZeneca	Clear cell renal cell carcinoma	<b>4</b> , H2 2015	2nd	VEGF TKI ref.	MEDI4736 (PD-L1)	Global				*	est 20	016 1 <sup>st</sup>
Carra likimih		22	Non-small cell lung cancer	<b>5</b> , enrolling	2nd	EGFR TKI ref.	<b>AZD9291</b> (T790M)	Global				*		filings
Savolitinib	s Mot	<u> </u>	Non-small cell lung cancer	<b>6</b> , enrolling	3rd	EGFR/T790M TKI ref.	<b>AZD9291</b> (T790M)	Global				*	INDAT	IIIIIys
(AZD6094 /	c-Met	ne Pe	Non-small cell lung cancer	<b>7</b> , enrolling	2nd	EGFR TKI ref.	gefitinib (EGFR)	China				*		
volitinib)		Ŝ	Non-small cell lung cancer	8 , enrolling	1st	c-Met O/E		China				*		
		A D	Gastric cancer	<b>9</b> , enrolling	2nd	c-Met+		China				*		
			Gastric cancer	10 , enrolling	2nd	c-Met O/E		China				*		
			Gastric cancer	11 , enrolling	1st	c-Met+	docetaxel (chemo)	China				*		
			Gastric cancer	12 , enrolling	1st	c-Met O/E	docetaxel (chemo)	China				*		
			Colorectal Cancer	<b>13</b> , report 03	3rd	All		China						
Fruquintinib		4.00	Colorectal Cancer	14, enrolling	3rd	All		China						k
Fruquintinib	v EGF 1/2/3	dilly	Non-small cell lung Cancer	<b>15</b> , top-line Q3	3rd	All		China			n/a			*
			Gastric Cancer	16, enrolling	2nd	All	paclitaxel (chemo)	China						*
			Neuroendocrine Tumours	17, enrolling	1st	All		China						*
Sulfatinib	VEGFR/ FGFR1		Neuroendocrine Tumours	<b>18</b> , H2 2015	2nd	All		US				*		
	TUIKI		Thyroid Cancer	<b>19</b> , H2, 2015	2nd	Radiotherapy ref.		China						*
Epitinib	EGFRm+		Non-small cell lung cancer	20, enrolling	1st	EGFRm+ brain mets		China				*		
Theliatinib	EGFR WT		Osoephageal, solid tumours	21, enrolling	1st	EGFR wild type		China						*
LIMBL 533	c. d.		RA, MS, Iupus	22, enrolling	1st	All		Global						*
HMPL-523	Syk		Hematolgical cancers	<b>23</b> , H2 2015	1st	All		Global				*		
HMPL-689	ЫЗКΩ		Hematolgical cancers	<b>24</b> , H2 2015	1st	All		Global						*
	NF-KB		Ulcerative Colitis (Mild-Mod.)	under review	2nd	5ASA ref.	5-ASA	Global			n/a			*
HMPL-004	(TNF-α,	Nestlē	Ulcerative Colitis (Mild-Mod.)	under review	2nd	5ASA ref.	5-ASA	Global			n/a			*
	etc)	Health Science	Crohn's Disease	under review	1st	All		Global			n/a			
HMPL-453	FGFR		Solid tumours		1st	All		Global				*	Once	ology
Collab.	Novel	janssen 🔭	Inflammation		1st	All		Global					Immu	n a la au

#### Global first-in-class c-Met inhibitor



#### 1. Summary:

- Clear clinical efficacy in c-Met+ patients<sup>[1]</sup> across multiple solid tumours. Lung, gastric, colorectal and kidney cancer.
- **Highest ever response rate in PRCC**<sup>[2]</sup>/**Phase I/II (ORR**<sup>[3]</sup> **38%)** versus previous high of 13.5% for foretinib (GSK) in PRCC Phase II 2012.
- Currently testing in 12 potential "Breakthrough Therapy" indications to provide accelerated pathway to approval.

## 2. Design has eliminated kidney toxicity encountered by first wave of c-Met inhibitors.

2-quinolinone metabolite in humans in 1<sup>st</sup> gen c-Met compounds has dramatically reduced solubility and appeared to crystallize in the kidney resulting in obstructive toxicity. <sup>[2]</sup>

#### 3. c-Met is aberrant in many tumour settings.

		c-Met			s (2008)
Indication	Amplifi- cation	Mutation	Over- Expression	Global	China
Gastric (Stomach)	10%	1%	41%	989,598	464,439
Lung	4%	8%	67%	1,608,823	522,050
Head & Neck	11%	27%	46%	653,199	76,370
Melanoma				197,402	3,825
Colon	10%		65%	1,233,711	221,313
Multiple Myeloma				102,762	5,909
Ovarian	4%	4%	33%	225,484	28,739
Kidney (PRCC) <sup>[4]</sup>	40-75%	100%		30,150	3,612
Kidney (Clear cell)		13%	79%	271,348	32,508
Esophagus	4%		92%	482,239	259,235
Total				5,794,716	1,618,000

#### 4. >\$2.3 billion market potential for c-Met inhibitor:

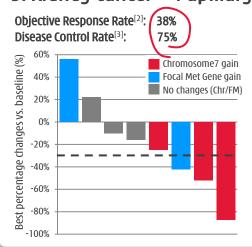
- The market potential of the EGFRm+ TKI resistant NSCLC patient population c-Met amplification may be >\$1 billion.
- Est. \$500m kidney (PRCC alone) & \$600m gastric market potential.
- Further market potential as savolitinib could provide benefit in many tumour types - mono. or combo. w/ chemo/TKIs/mAbs/PD-L1.

## AstraZeneca



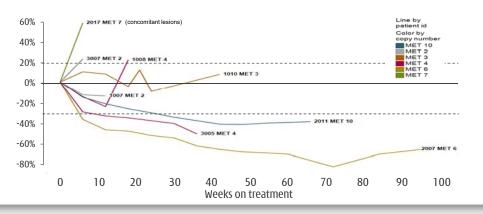
#### Highest ever response rate seen in c-Met+ patients<sup>[1]</sup>

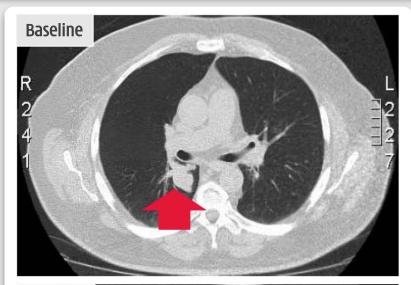
#### 5. Kidney cancer -- Papillary Renal Cell Carcinoma (PRCC).

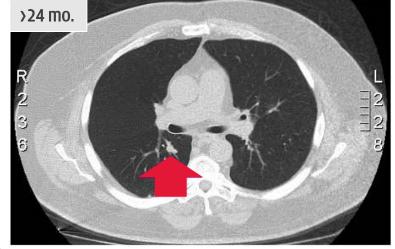


- PRCC is 10-15% of ~270,000/yr. new renal cell carcinoma (kidney cancer).
- There are no current approved treatments for PRCC.
- Global Phase II PRCC study started May 2014. Complete end 2015.
- US submission for approval target 2016, PRCC market potential est.
   >\$500m.

#### 6. Phase I data gradual & durable response in PRCC patients.



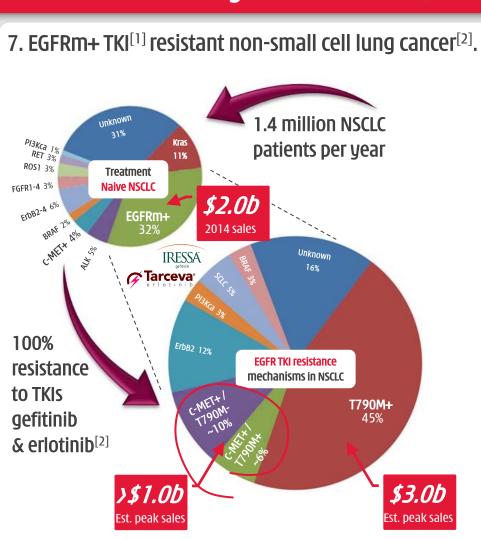




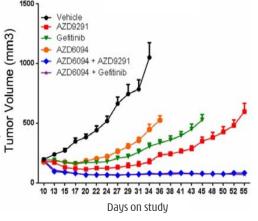
## AstraZeneca 2



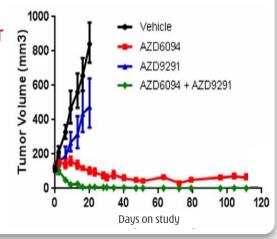
#### Combinations likely the answer. >\$1 billion in c-Met+ NSCLC



- 8. Clear pre-clinical data shows combination potential in EGFR TKI resistant NSCLC .
- Suppression via combining AZD6094 with gefitinib or AZD9291in EGFR TKI resistant, T790M-& c-Met+ setting.



Prolonged /total tumour cell suppression via combining AZD6094 & AZD9291 in EGFR TKI resistant, T790M+ & c-Met+ setting.



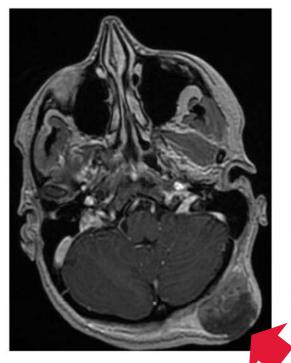
## AstraZeneca 2

# CHI-

#### Astonishing anti-tumour effect in T790M- / c-Met+ NSCLC patients

## 9. 32 yr. old female NSCLC patient w/ c-Met+ & T790M-.

- Rapidly progressing bone & lung metastasis. Major solid tumour.
- Primary progression on previous EGFR TKI (i.e. erlotinib resistant).
- Brief response to platinum doublet.



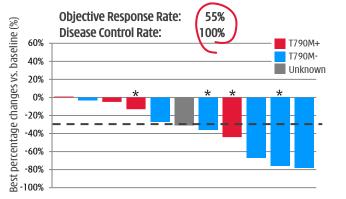
#### 10. visible solid tumour...treated w/ 800mg savolitinib & 80mg AZD9291 daily.





#### 11. TATTON study - savolitinib is safe & effective in combination with AZD9291.

Number of events, n		600mg (n = 6)		800mg (n = 6)		
Adverse Event occuring in over three instances at any dose	Any Gr.	Gr.≥ 3	Any Gr.	Gr.≥ 3		
Vomiting	7	0	3	0		
Nausea	3	0	6	1		
Rash	4	0	3	0		
Pyrexia	3	0	3	0		
White blood cell count decreased	4	0	1	1		
Decreased appetite	1	0	3	0		



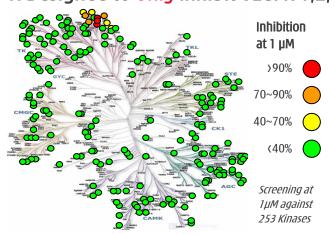
## Fruquintinib

# Lilly

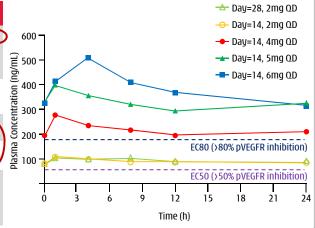


## The most selective VEGFR inhibitor in clinical trials globally[1]

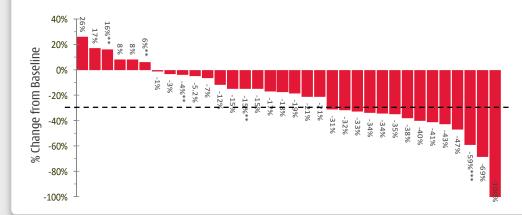
#### 1. Designed to only inhibit VEGFR 1,2, 3... ....limits off-target toxicity & allows for full & sustained target inhibition.



	Sunitinib	Sorafenib	Regor- afenib	Fruquin- tinib
Kinase profile	VEGFR1,2,3, PDGFRb, FLT3, CSF-1R, C-Kit, Ret	RAF, VEGFR2, PDGFRb, Flt3, c-Kit, FGFR1	VEGFR1,2,3 Raf, Ret, c- Kit, PDGFR	VEGFR1,2,3
AUC at ED50/ED60 in mouse (ng/mL*hr)	2,058	25,473	na	898
MTD in human (mg/day)	50, qd	400, bid	160, qd	4, qd; 6, 3wk/1wk
AUC <sub>0~24h</sub> at Steady state MTD (ng/mL*hr)	592	47,780 x2 (D28)	58,270 (D21)	5,000~6,000 (D28)
Efficacy in Phase I: Partial Response (PR); Disease ControlRate (DCR)	22 pts PR: 4 (18%) DCR: 27%	45 pts (≥100 mg bid) PR: 1 (2%) DCR: 58%	53 pts PR: 3 (6%) DCR: 66%	34 eval. pts PR: 13 (38%) DCR: 82%



#### 2. Leading to outstanding Phase Ia tumour response ....



#### ....across multiple solid tumour types.

Population	Patients No. (pts.)	PR (pts.)	SD (pts.)	ORR <sup>[2]</sup>	DCR <sup>[3]</sup>
Intent to Treat population (ITT)	40	13	15	33%	70%
Evaluable patients	34	13	15	38%	82%
Colorectal cancer	10	3	6	30%	90%
Non-small cell lung cancer	6	4	1	67%	83%
Breast cancer	7	2	5	29%	100%
Gastric cancer	2	1	0	50%	50%
Other	9	3	3	33%	67%

## Fruquintinib

## Lilly



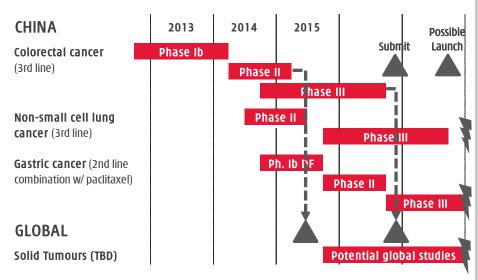
#### Best-in-class VEGFR inhibitor - submit for approval in 2016

#### 3. Led to fast development in China....

- Partnered with Lilly (Oct-2013) to provide resource for PoC<sup>[2]</sup> in multiple tumour types.
- Proceeded to Phase Ib CRC<sup>[3]</sup> study while we waited for Phase II/III CTA<sup>[5]</sup> approval in China.
- China PoC driving global development plan.

•	Colorectal Ca	ncer Phase Ib Study <sup>[1]</sup>	Regimen	Objective Response Rate	Disease Control Rate	≥16-wk Progression Free Survival	≥9-mo Overall Survival
	Fruquintinib	<b>Phase Ib (China)</b> 3rd Line colorectal cancer	5mg 3/1 wk (N = 42)	10.3%	82.1%	66.7%	62%
	Regorafenib	Phase III (Asia)	<b>160mg 3/1 wk</b> (N = 136)	4.4%	51.5%	~38%	~46%
	(Bayer's Stivarga®)	3rd Line colorectal cancer	Placebo (N = 68)	0%	7.4%	~3%	~24%

#### 4. Development Plan:



#### 5. Latest status:

- Colorectal cancer (3<sup>rd</sup> line):
  - Phase II PoC study (71 pts.) enroled in ~4 months (April-Aug 2014).
    Clearly met primary endpoint of PFS. Safety profile consistent.
  - ✓ Phase III registration study (~420 pts.) started enrolment in Dec 2014. 27 centres in China. Expect to complete early 2016.
- Non-small cell lung cancer (3<sup>rd</sup> line):
  - ✓ Phase II PoC study (91pts.) enroled in ~9 months (Jun 2014-Mar 2015). Read-out top-line data in Sept 2015.
- Gastric cancer (2<sup>nd</sup> line):
  - ✓ Phase Ib dose finding study (w/paclitaxel) started late-2014.
     Second cohort complete (at dose >EC80 24hr. inhibition).
     Combinability key to maximise market potential.

#### Sulfatinib

## CHI-MED

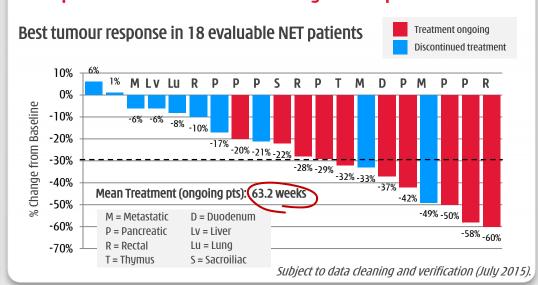
#### VEGFR/FGFR1 - Highest ORR ever seen in neuroendocrine tumours ("NET")

#### 1. High NET prevalence & no broadly effective drugs.

		UNITED S	TATES		CHI	NA
	Incidence	ce Survival Prevalence Prevalence				Prevalence
	(new cases /year)	(% patients)	(Est. patients)	(Est. % of all NET)	(Est. new cases /year)	(Est. patients)
Stomach	823	63%	6,567	5.9%	3,553	28,359
Small intestine	2,786	69%	24,462	22.1%	12,030	105,632
Rectum	2,216	88%	24,643	22.3%	9,568	106,413
Colon	1,135	54%	7,806	7.1%	4,900	33,709
Pancreas	596	34%	2,564	2.3%	2,576	11,071
Appendix	402	78%	3,965	3.6%	1,735	17,121
Total GI NET	7,958	69%	70,006	63.3%	34,363	302,305
Lung & Bronchus	4,388	46%	25,781	23.3%	18,948	111,328
Other	2,634	25%	8,319	7.5%	11,373	35,926
All NET	14,979	58%	110,635	100.0%	64,683	477,750

- 5-fold increase in incidence of NET in US over past 30 years.
- Second most common gastrointestinal (GI) malignancy.

#### 2. Unprecedented Phase Ia efficacy in NET patients.



#### 3. Expanding to US for Phase II.

- *US IND submitted & cleared in H1 2015*. US Phase I bridging study in Caucasians to start Q3 2015. Followed by a US Phase II NET study, targeted to start by early 2016.
- Breakthrough Therapy potential. May be possible if all NET >30% ORR in US Phase II.

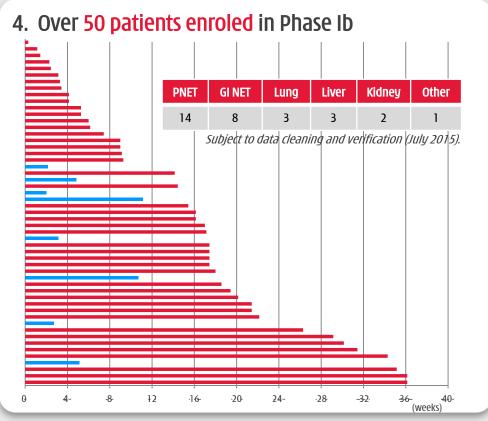
	octreotide /Placebo	<b>everolimus</b> /Placebo	<b>sunitinib</b> /Placebo	<b>lanreotide</b> /Placebo	sulfatinib
NET Approval	Mid-gut	Pancreatic	Pancreatic	Gastrointestinal (Antigen Ki67<10%)	All NET efficacy
median PFS (months)	15.6 / 5.9	11.0 / 4.6	11.4 / 5.5	NR / 18.0	No Progression yet in 18 evaluable patients
Hazard Ratio	0.33	0.35	0.42	0.47	
p-value	0.000017	⟨0.001	<0.001	<0.001	
Objective Response Rate <sup>[1]</sup>	2% / 2%	5% / 2%	9% / 0%	NR	35%
Disease Control Rate <sup>[2]</sup>	67% / 37%	73% / 51%	63% / 60%	NR	100%

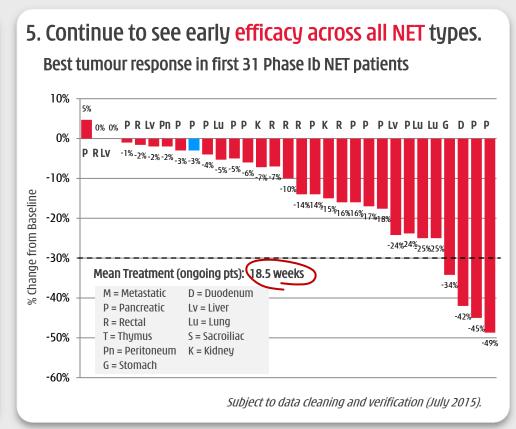
## Sulfatinib



#### Phase Ib progressing at speed - target to start Phase III in late 2015

- Phase Ib being run while we wait for China Phase II/III CTA<sup>[1]</sup> clearance. Expanded Phase Ib to 60 NET patients (from 30) because of high demand. Currently over 50 patients enrolled, with 31 post-baseline tumour assessments.
- Phase Ib results in-line with expectations. Response to sulfatinib builds with time (NET is slow growing/slow shrinking tumour).
- Phase III in China possibly late 2015. 2 Phase III studies (1) pancreatic NET; and (2) advanced carcinoid (all non-pNET).





#### HMPL-523



#### Possible global first-in-class Syk inhibitor - Phase I complete end-2015

#### 1. HMPL-523 could be global first-in-class

- Highly selective Syk inhibitor with clear in vivo efficacy in RA<sup>[1]</sup>/Lupus -- Syk pathway/B-cell activation. Strong potency in vivo vs. Enbrel (Amgen) \$4.6b/yr. RA sales.
- Oral form TKI a major advantage over MAbs.
- Phase I Australia 10 single dose cohorts complete
   (5mg/800mg). Multiple dose ongoing (200mg complete).

Compour Compan		<i>in vitro</i> Activity IC <sub>50</sub> (nM)*	Selectivity	<i>in vivo</i> Activity Min Efficacious Dose [2]	Phase of Development <sup>[2]</sup>
Fostamatinib (R788 / R406) <sup>[3]</sup>	Rigel / AZ	• Enzyme: 54 nM • Cell: 54 nM	Syk, FLT-3, KDR, Src, Lyn, JAK	<ul><li>rCIA: 10 mg/kg BID</li><li>mSLE: 10 mg/kg BID</li><li>CLL: 80 mg/kg/day</li></ul>	Phase III for RA complete: 100 mg BID; & 150 mg QD Phase II: ITP
entospletinib (GS-9973)	Gilead	• Enzyme: 55 nM*	Selective for Syk		Phase I: oncology (NHL, CLL)
HMPL-523	НМР	<ul><li>Enzyme: 25 nM</li><li>Cell: 51 nM</li><li>HWB: 250 nM</li></ul>	Selective for Syk	rCIA (QD) • ED <sub>min</sub> = 0.7-1 mg/kg • ED <sub>50</sub> = 1.4-2 mg/kg	Phase I Immunology, oncology

# 2. Syk inhibition field is wide-open and valuable. Antigen extracellular PIP2 PIP3 AKT MTOR PLCY2 entospletinib HMPL-523 HMPL-079 GS-9876 NF-KB Pro-inflammatory cytokines

#### 3. Fosta. failed - KDR inhibition /hypertension AE.

■ HMPL-523 *does not inhibit KDR*. No material off-target toxicity.

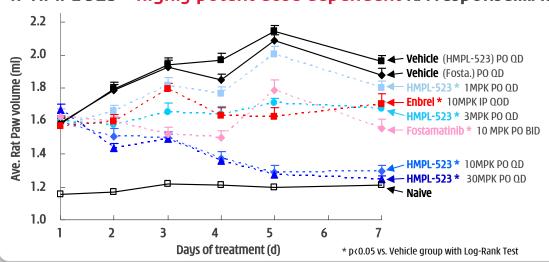
Selectivity	HMPL-523 IC <sub>50</sub> (nM)	fostamatinib IC <sub>50</sub> (nM)
Syk enzyme	25 ± 4 (n=7) <sup>a</sup>	54 ± 17 (n=7) <sup>a</sup>
FLT3 enzyme	63ª	9a
LYN enzyme	921 <sup>a</sup>	160ª
Ret enzyme	56% at 3uM	N/A
KDR enzyme	390 ± 38 (n=3) <sup>a</sup>	$61 \pm 2 (n=3)^a$
KDR cell	5,501 ± 1,607 (n=3) <sup>a</sup>	422 ± 126 (n=3) <sup>a</sup>
	<sup>a</sup> : <i>Determine</i>	ed at HMP using z-lyte assay (Invitrogen)

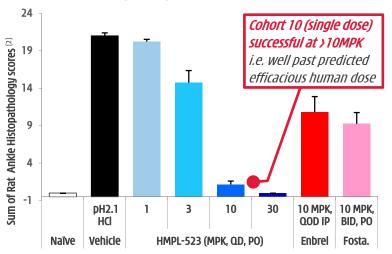
## HMPL-523 - Rheumatoid Arthritis \$38.5b market<sup>[1]</sup>



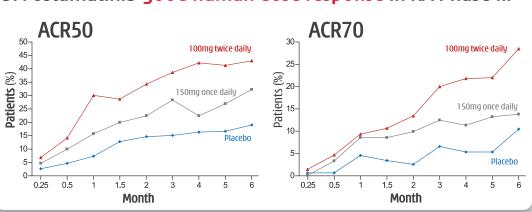
Syk inhibition - a clinically valided approach in RA / Lupus

#### 4. HMPL-523 - highly potent dose dependent RA response....Australia Ph.I - well past predicted human RA efficacy.

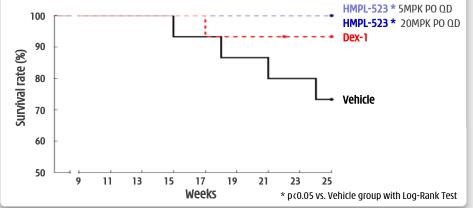




#### 5. Fostamatinib good human dose response in RA Phase II.[3]



#### 6. Lupus also? – immune disease with no treatments.



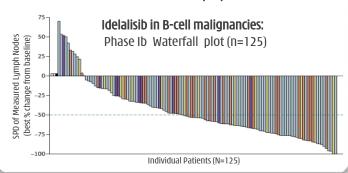
#### **HMPL-689**

# CHI-

## Designed to be a best-in-class inhibitor of PI3Kδ - Phase I late-2015

#### 1. PI3Kδ now a proven target

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



#### 2. PI3K $\delta$ inhibitors being developed in a very broad range of indications

Compound		Indication	Status	Issue
Idelalisib	Gilead	Chronic lymphocytic leukaemia, non-Hodgkin's lymphoma		High incidence of liver
(GS-1101)	Sciences	Hodgkin's lymphoma	Phase II Trial	toxicity seen with
РІЗКδ		Waldenstrom's hypergammaglobulinaemia	Preclinical	idelalisib (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>		B-cell lymphoma, non-Hodgkin's lymphoma, chronic lymphocytic leukaemia	Phase III Trial	Need to spare PI3Ky serious infection seen
(IPI-145)	AbbVie /	Asthma, rheumatoid arthritis	Phase II Trial	with duvelisib due to
ΡΙ3Κγ/δ	Infinity	COPD, SLE, psoriasis, MS transplant rejection, allergy, acute lymphocytic leukaemia, T-cell lymphoma	Phase I Irial	

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

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

- 1) improved isoform selectivity (sparing PI3Ky);
- 2) improved potency at whole blood level (>5x more potent than idelalisib) to cut compound related toxicity;
- *3) improved PK properties* particularly efflux and drug/drug interaction due to CYP inhibition/induction.

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

IC <sub>50</sub> (μΜ)		HMPL-689	idelalisib	duvelisib
	РІЗКδ	0.0008 (n = 3)	0.002	0.001
Enzumo	PI3Kγ (fold vs. PI3Kδ)	0.114 (142x)	0.104 <b>(52x)</b>	0.002 (2X)
Enzyme	PI3Kα (fold vs. PI3Kδ)	>1 (>1,250x)	0.866 <b>(433x)</b>	0.143 (143x)
	PI3Kβ (fold vs. PI3Kδ)	0.087 <b>(109x)</b>	0.293 <b>(147x)</b>	0.008 (8X)

## **Epitinib**

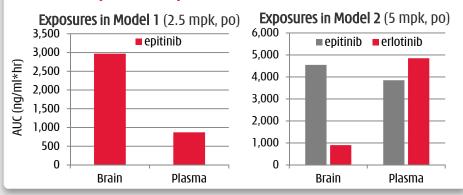
## CHI-MED

#### Emerging/ very early human efficacy data in NSCLC w/ brain metastasis

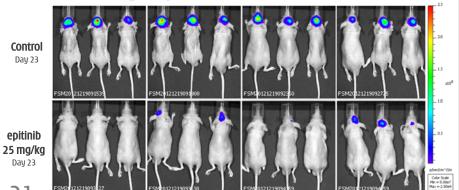
#### 1. Major need for EGFR TKI which penetrates BBB.

 Current EGFR TKIs (erlotinib & gefitinib) have low blood brain barrier ("BBB") penetration. If NSCLC metastasises to brain (eventually ~50% of patients<sup>[1]</sup>) current TKIs less effective.

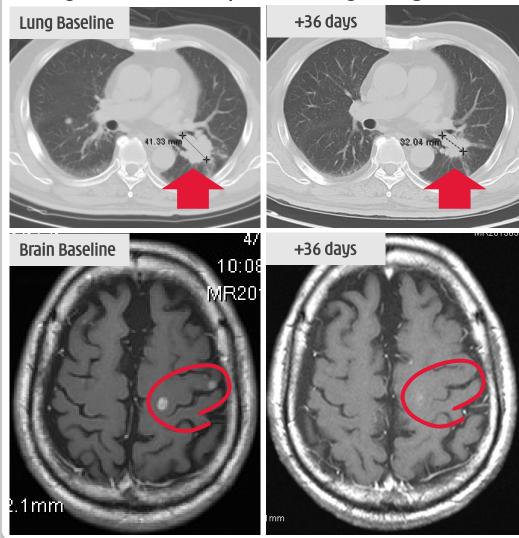
#### 2. Clear superior exposure in brain vs. erlotinib.



#### 3. Clear efficacy in preclinical brain tumour models.



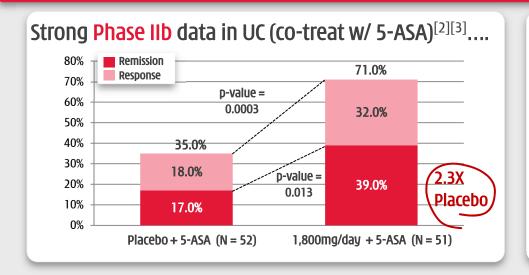
#### 4. Early Phase Ib data - epitinib efficacy in lung & brain.

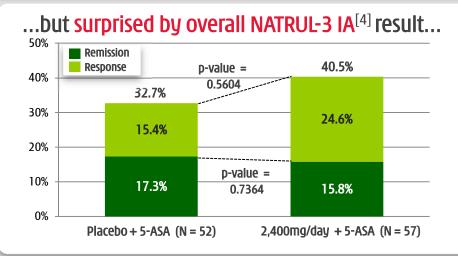


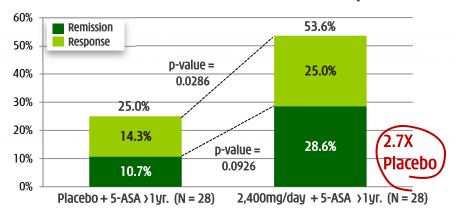
## HMPL-004 - Post-hoc analysis of NATRUL-3 IA<sup>[4]</sup>



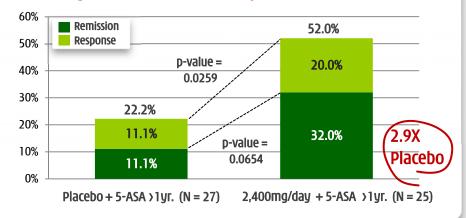
Working with Nestlé Health Science to agree next steps







#### ...but HMPL-004 works well in 5-ASA failure patients... ...particularly if difficult to treat patients stratified.



# Four collaborations have major aggregate financial impact











#### ~\$1.3 billion in Partner payments to HMP/NSP<sup>[1]</sup>:

- **\$87 million** in upfront /milestone payments and equity injections as at 30 June, 2015.
- **up to \$461 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 estimated at several hundred million US dollars.
- Partners to fund the vast majority of these clinical costs.

#### Possible payment events in H2 2015:

- **Fruquintinib**: Phase II PoC<sup>[3]</sup> in NSCLC<sup>[5]</sup>.
- **Savolitinib (AZD6094):** (Phase Ib) PoC read in NSCLC.

# Multiple growth drivers anticipated during next 18 months



#### H<sub>2</sub> 2015

#### Savolitinib/AZD6094 (c-Met)

- Phase II enrolment complete Global papillary renal cell carcinoma ("PRCC").
- O Initiation of Phase Ib PD-L1 immunotherapy combo studies in kidney cancer.

#### Fruquintinib (VEGFR 1, 2, 3)

- O Phase II China 3L colorectal cancer data ESMO Sept 2015.
- Phase II PoC top-lines & potential milestone China 3L NSCLC.
- Pivotal Phase III initiation China 3L NSCLC.
- Complete dose finding China 2L gastric combo (paclitaxel); & initiate Ph.II.

#### Sulfatinib (VEGFR/FGFR)

- Phase I PK bridging initiation US neuroendocrine tumours ("NET").
- O *Pivotal Phase III initiation* China Pancreatic NET.
- *Pivotal Phase III initiation* China advanced carcinoid (all non-pancreatic NET).
- Initiate Phase Ib China Thyroid cancer.

#### HMPL-523 (SVK)

- O Phase I completion (multiple-dose) Australia (healthy volunteers/RA).
- Initiate Phase I in hematological cancer Australia.

#### HMPL-689 (PI3Kδ)

Initiate Phase I in hematological cancer - Australia.

#### 2016

#### Savolitinib (c-Met)

- PRCC Phase II data ASCO 2016; potential Phase III initiation; potential for Breakthrough Therapy application & US NDA submission.
- Phase III initiation & pot. milestone Savolitinib/AZD9291 combo. NSCLC.
   potential for Breakthrough Therapy application & US NDA submission.
- O Phase II PoC initiation China savolitinib/gefitinib combo. 1L/2L NSCLC.
- Phase IIb initiation China single agent c-Met+/ O/E Gastric cancer/NSCLC.
- Phase II PoC initiation China docetaxel combo. Gastric cancer/NSCLC.

#### Fruquintinib (VEGFR 1, 2, 3)

- Phase III complete China 3L colorectal cancer; potential China NDA submission and submission milestone.
- Phase II China 3L NSCLC data ASCO 2016.
- Phase II complete & potential milestone China 2L Gastric cancer.

#### Sulfatinib (VEGFR/FGFR)

- Phase II initiation US NET.
- Phase Ib data China Thyroid cancer.

#### HMPL-523 (Syk)

Phase I dose escalation complete/POC - Australia (oncology CLL/NHL).

#### EGFR Inhibitors

- Epitinib Phase Ib data NSCLC with brain Mets; Phase II/III initiation China.
- Theliatinib initiate Ph.Ib in China esophageal and head & neck cancer.

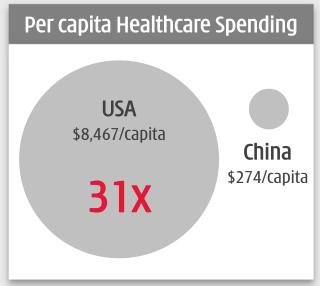
#### HMPL-453 (Selective FGFR)

Phase I initiation - Australia (oncology).

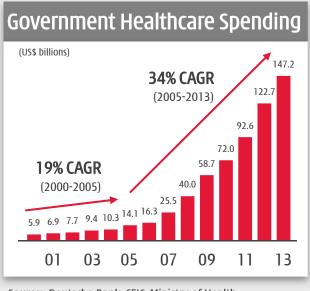


# China pharma market set to become the second largest globally by 2020

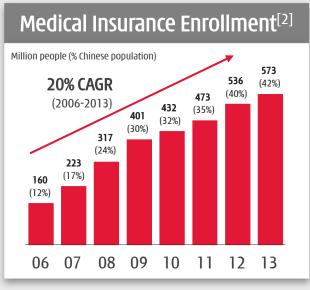




Source: WHO 2014 report (2011 data)



Source: Deutsche Bank, CEIC, Ministry of Health



Source: National Bureau of Statistics

- China pharmaceutical industry growth 20% CAGR<sup>[1]</sup> from 2006-2013 one of the highest rated industries in China with average P/E ratio of 69 for the 65 listed companies (appendix).
- Government healthcare spending continues to increase rapidly Strategic priority.
- Expansion of State Medical Insurance Schemes<sup>[2]</sup> Link to increased drug reimbursement & sales.

## Chi-Med's Commercial Platform in China



#### Long track record of commercial success - important source of cash

2 National household name brands



Focus on largest disease categories

Most common disease diagnosed/treated in rural hospitals<sup>[3]</sup>:

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

Major commercial & production scale

~1,820 Rx & ~1,270 OTC sales people in about 600 cities & towns in China.

Drugs in ~13,500 hospitals detailing ~80,000 doctors.

Produced ~4.2 billion doses of medicine in 2014.

Leadership market shares

Market leader in the subcategories/markets in which we compete<sup>[4][5]</sup>:

SXBXP:<sup>[6]</sup> >40% Rx Cardiovascular TCM

Banlangen:<sup>[7]</sup> ~46% OTC Anti-viral TCM

FFDS:<sup>[8]</sup> ~30% OTC Angina TCM

JVs with 3 of top 5 China Pharmas







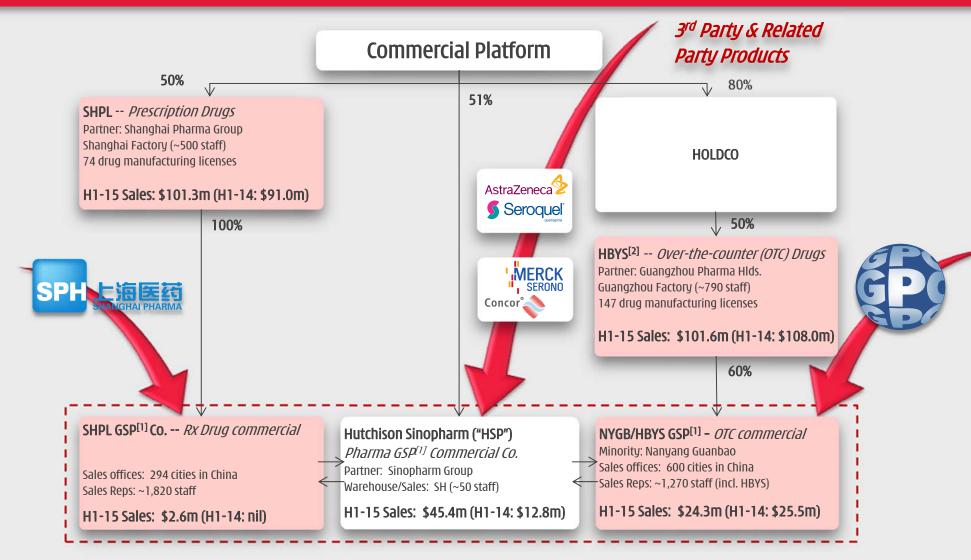
#### Commercial Platform Performance - 2003-2014<sup>[1][2]</sup>

(US\$ millions)	03	04	05	06	07	08	09	10	11	12	13 <sup>[9]</sup>	14 <sup>[9]</sup>	H1-14 <sup>[9]</sup>	H1-15 <sup>[9]</sup>	CAGR 5 years 2009-14 (%)
Sales	21.9	27.9	65.1	101.4	119.0	155.8	197.0	236.4	278.6	360.7	400.1	465.5	244.9	285.4	19%
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	103.9	149.3	30%
Consumer Health	4.7	6.1	41.8	78.2	90.9	116.3	142.6	165.2	186.2	244.2	261.9	260.6	141.0	136.1	13%
Total Sales Growth	па	27%	133%	56%	17%	31%	26%	20%	18%	29%	11%	16%	5%	17%	
Net Profit After Tax	(10.7)	(3.6)	2.2	6.7	11.2	14.7	21.5	27.9	30.1	33.1	39.4	48.8	37.9	43.5	18%
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	20.8	23.8	35%
Consumer Health	(10.3)	(4.9)	0.3	5.4	9.3	11.9	15.5	16.0	15.9	15.4	17.0	22.3	17.1	19.7	8%
% Margin	-48.9%	-12.9%	3.4%	6.6%	9.4%	9.4%	10.9%	11.8%	10.8%	9.2%	9.8%	10.5%	15.5%	15.2%	
NPAT Attrib. to Chi-Med	(5.7)	(3.7)	(0.5)	1.2	4.5	5.9	9.3	12.6	13.6	14.6	18.1	22.9	17.3	19.9	20%
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	10.4	11.9	34%
Consumer Health	(5.5)	(4.3)	(1.5)	0.5	3.6	4.5	6.3	6.7	6.5	5.8	6.9	9.7	6.9	8.0	9%
NPAT Attrib. to Chi-Med Growth	па	-35%	-86%	340%	275%	31%	58%	35%	8%	7%	24%	27%	24%	15%	

## A powerful Commercial Platform in China



Ready-made to launch/maximise sales of our innovative drugs



# New factories – triple capacity by early 2016 JVs fund internally – \$97m of total \$130m (74%) CAPEX already spent



#### **SHPL New Factory**

Feng Pu District, 78,000 sq.m. plot (~40km south of Shanghai city centre). Approx. 3x designed capacity expansion (extraction & formulation).

Estimated total CAPEX: \$90 million









#### **HBYS New Factory**

Bozhou, Anhui province (central China). 230,000sq.m. plot. Approx. 3x extraction expansion & new formulation lines. **Estimated total CAPEX: \$40 million**<sup>[2]</sup>







## Summary

# CHI-

## Chi-Med investment highlights

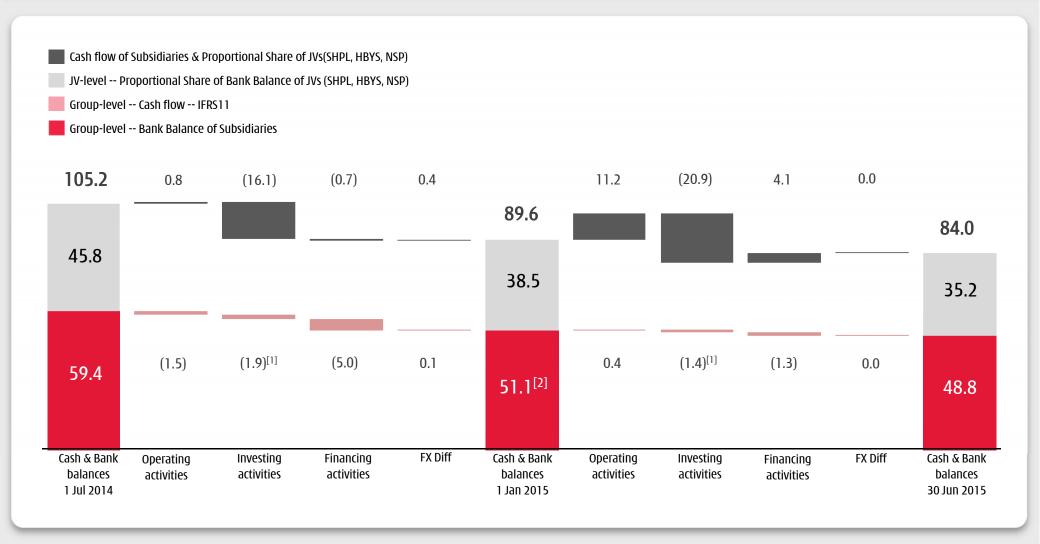
- High-potential clinical pipeline first candidates nearing NDA submissions. Expect to have
   4 pivotal Phase III studies underway by end 2015.
  - ✓ Savolitinib (AZD6094) potential first-in-class c-Met inhibitor submit for US approval 2016. Highest ever ORR in c-Met+ patients; possible Breakthrough Therapy application in papillary renal cell carcinoma in 2016.
  - ✓ Fruquintinib most selective VEGFR inhibitor in clinic submit for China approval 2016. Potential for best-inclass; pivotal Phase III studies (mono) in colorectal and lung and Phase II (combo) in gastric by end 2015.
  - ✓ **Sulfatinib Breakthrough Therapy potential in neuroendocrine tumors ("NET").** Highest ever ORR in NET for a tolerable therapy; two China pivotal Phase III NET studies in late 2015 and start US Phase II in early 2016.
  - ✓ *HMPL-523 potential first-in-class Syk inhibitor.* Phase I RA<sup>[1]</sup> complete & Phase I CLL<sup>[2]</sup> start H2 2015.
  - ✓ *HMPL-689 > 5x more potent than idelalisib and dramatically more selective than duvelisib.* Phase I start 2015.
- Productive/efficient & established discovery platform focus on selectivity & producing 1-2 novel drug INDs per year.
- Powerful, profitable & high growth Commercial Platform in China from which to launch new drug innovations.



## **Appendices**

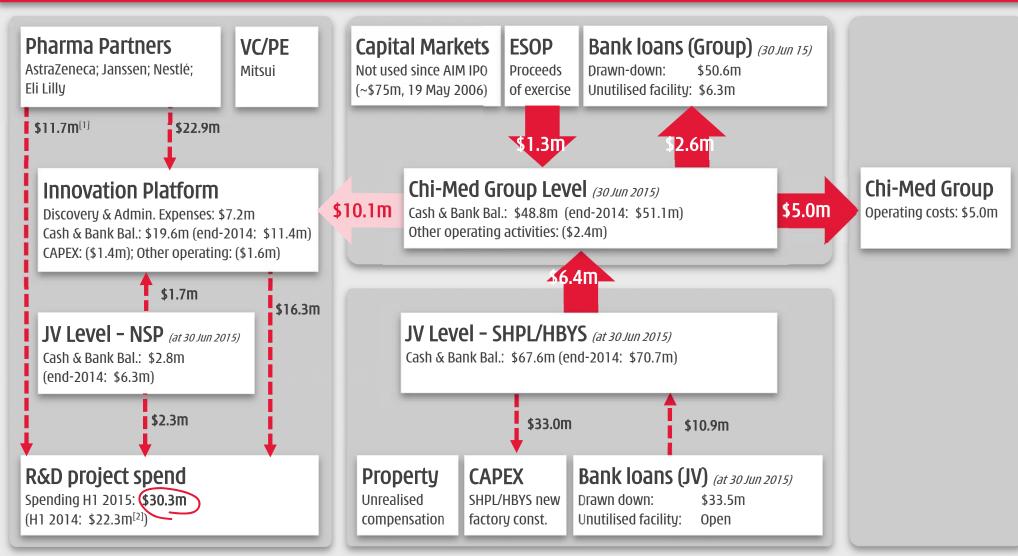


## Financing - Stable at both Group & JV levels





## H1 2015 - Chi-Med inter-group cash flows



## Chi-Med Group structure - major entities





Revenue: \$65.7 million (H1 2014: \$30.3m)

Net Profit Attributable to Chi-Med Equity Holders: \$2.3 million (H1 2014: \$5.6m)

Cash & Bank Balances: \$48.8m at 30 June 2015 (end-2014: \$51.1m)

51%

**Joint Ventures** 

Chi-Med Subsidiaries

**↓** 100%

Hutchison Healthcare ("HHL")

Sales: \$0.3m (H1 2014: \$1.1m)

Hutchison Cons. Prods.("HCP")

Sales: \$1.9m (H1 2014: \$0.4m)

Nutritional Supplements

Partner: None

Consumer Products

Partner: None

#### Hutchison MediPharma ("HMP")

Oncology/Immunology Drug R&D

Minority: None

Revenue: \$10.2m (H1 2014: \$9.9m)

**√** 50%

**J** 99.8%

Nutrition Science Partners ("NSP"):

Botanical Drug /GI Disease R&D

Partner: Nestlé Health Science

Revenue: \$0.0m (H1 2014: nil)

Shanghai Hutchison
Pharmaceuticals ("SHPL")
Prescription Drugs

Partner: Shanghai Pharma Group

Sales: \$101.3m (H1 2014: \$91.0m)

100%

₩ 50%

11 2014: nil)

Shanghai Shang Yao Hutchison Whampoa GSP Co. Limited

Rx Drug Commercial Co.

Sales \$2.6m (H1 2014: nil)

Hutchison Sinopharm ("HSP")

Rx Drug Commercial Co.
Partner: Sinopharm Group

Sales: \$45.4m (H1 2014: \$12.8m)

Hutchison Hain Organic ("HHO")

Health Related Consumer Prods.

**J**50%

100%

Partner: Hain Celestial Group Sales: \$8.0m (H1 2014: \$6.0m)

**V** 50%

**V** 80%

Hutchison Baiyunshan Chinese Medicine Co. ("HBYS")

Over-the-counter Drugs ("OTC")

**HOLDCO** 

Partner: Guangzhou Pharma Hlds.

Sales: \$101.6m (H1 2014 : \$108.0m)

₩ 60%

Nanyang Baiyunshan Guanbao Pharma ("NYGB"):

OTC Drug Distribution Co.

Minority: Nanyang Guanbao

Sales \$24.3m (H1 2014: \$25.5m)

#### **Commercial Platform**

#### **Consumer Health**

Sales of Subs & JVs: \$136.0 million (H1 2014: \$141.0m)

NPAT attributable to Chi-Med: \$8.0 million (H1 2014: \$6.9m)

#### **Innovation Platform**

Revenue: **\$10.2 million** (H1 2014: \$9.9m) NPAT<sup>[1]</sup>: **-\$11.7 million** (H1 2014: **-**\$6.3m)

#### **Commercial Platform**

#### **Prescription Drugs**

Sales of Subs & JVs: \$149.3 million (H1 2014: \$103.9m)

NPAT attributable to Chi-Med: \$11.9 million (H1 2014: \$10.4m)

## SHPL Property – 12km from Shanghai city centre



Property compensation expected to be close to \$90m new factory cost



#### 4.6 sq.km. new development zone.

- In 2014 the SH Municipal Government published plans for Tao Pu redevelopment.
- SHPL old factory classified as Category 3 residential.



				Actual	
Land Area (sq.m.)	Other Factors	Distance to CBD <sup>[1]</sup> (km)	Distance to Metro <sup>[2]</sup> (m)	Compensation (US\$ million)	Compensation (\$/sq.m.)
57,804	New Dev.	12.4	300	TBD	TBD
77,372	Nr. Airport	21.2	2,200	108.4	1,401
62,846	Nr. River	8.0	500	122.6	1,951
27,091	Nr. River	11.4	2,000	89.1	3,290
4,976	Nr. River	3.3	300	34.5	6,928
	77,372 62,846 27,091	57,804 New Dev. 77,372 Nr. Airport 62,846 Nr. River 27,091 Nr. River	57,804         New Dev.         12.4           77,372         Nr. Airport         21.2           62,846         Nr. River         8.0           27,091         Nr. River         11.4	57,804         New Dev.         12.4         300           77,372         Nr. Airport         21.2         2,200           62,846         Nr. River         8.0         500           27,091         Nr. River         11.4         2,000	(sq.m.)         Factors         CBD <sup>[1]</sup> (km)         Metro <sup>[2]</sup> (m)         (US\$ million)           57,804         New Dev.         12.4         300         TBD           77,372         Nr. Airport         21.2         2,200         108.4           62,846         Nr. River         8.0         500         122.6           27,091         Nr. River         11.4         2,000         89.1

## HBYS Plot 1&2 – 9km from Guangzhou city centre



Total HBYS property compensation expected to be about \$170m<sup>[2]</sup>

#### HBYS Plot 2 (26,700 sq.m. plot of land):

2.2 plot ratio, ~58,740 sq.m. of residential floor area. Estimated Auction Price<sup>[1]</sup>: \$128.8 million (\$2,244/sq.m.). Estimated HBYS Compensation<sup>[2]</sup>: ~\$50 million



#### 163 Tong Bao Road (131,647 sq.m. plot of land):

Auction Date: November 24th 2014

~3.5 plot ratio, 460,765 sq.m. of residential floor area. Actual Auction Price: \$1,034 million (\$2,244/sq.m.).

#### 8-10 Tong Bao Road (65,055 sq.m. plot of land):

Auction Date: May 6<sup>th</sup> 2013

2.2 plot ratio, 143,121 sq.m. of residential floor area. Actual Auction Price<sup>[1]</sup>: \$305.1 million (\$2,132/sq.m.).

HBYS Plot 1 (59,400 sq.m. plot of land):

Estimated HBYS Compensation<sup>[1][2][3]</sup>: ~\$120 million



Tong He Metro Station (opened November 2010)

## Drug R&D Division proxy peer group (1/2)



#### HMP - A very deep pipeline and a very large organisation/operation

			Mkt Cap		Ent.		20	14		Clinical Pipeline				# 0	f stud	lies
Sym	Name .	20 Jul		10 Jul '14	Value	Staff	Sales	EBITDA	Drug	Studies	Phase	Partner	drugs	P1	P2	Р3
RCPT	Receptos	7,228	3.170	839	6.584	68	6	(111)	RPC1063	S1P1R modulator: relapsing MS, UC	P3, P2, P2 to start		2	0	3	1
		,,220	5,	007	0,20.	-	•	()	RPC4046	IL-13 antibody: eosinophilic esophagitis (allergic/immune-mediated orphan disease)	P2	AbbVie option		·	-	
AGIO	Agios	4.293	4.110	1.340	3.949	128	65	(53)	AG-221	IDH2 inhibitor: hematologic malignancies, adv solid tum.	P1/2, 2x P1	Celgene	4	5	1	0
710.0		.,_,	.,	.,5.0	5/2 .2	.20		(33)	AG-120	IDH1 inhibitor: adv hematologic malignancies, solid tum.	P1, P1	Celgene (ex-US rights)		-	•	•
									AG-881	pan-IDH inhibitor: adv solid tumors	P1	Celgene				
									AG-348	Pyruvate kinase activator: PK deficiency	P1 with data					
PBYI	Puma	3,320	6,190	1,990	3,010	120	0	(142)	PB272 (neratinib)	Her2 RTK inhibitor. Breast: adj., meta, meta w/ brain mets, neoadj., Her2 mutated. Her2 mutate	d P3, P3, 6x P2, 6x P1-2	-	1	5	7	2
									Parilla (and 1 (and	NSCLC. solid tum.	D2 to stood 200 D2					
CLVS	Clovis	3,235	2,340	1,286	3,089	136	14	(145)	Rociletinib (CO-1686)	Irreversible EGFR/T790M inhibitor: 2L NSCLC	P3 to start, 3x P2	-	3	1	8	2
									Rucaparib Lucitanib	PARP inhibitor: ovarian maint., ovarian, pancreatic cancers FGFR1-2/VEGFR1-3/PDGFRα-β inhibitor: breast x3, solid tum., squamous NSCLC	P3, 3x P2 P2, 3x P2, P1	Servier (US & Japan)				
TCDO	Tocaro	2 (20	1 200	1142	2 2 4 0	100	0	(1.42)	Rolapitant	NK-1 receptor inhibitor: chemo-induced nausea and vomiting (CINV)	NDA, P1	- Servier (US & Japan)	-	_	-	
TSRO	Tesaro	2,630	1,390	1,142	2,348	108	0	(142)	Niraparib	PARP inhibitor: ovarian cancer, BRCA+ breast cancer, Ewing's sarcoma	2x P1. P2. 2x P3	-	_ 3	4	ı	2
									TSR-011	ALK inhibitor: NSCLC and etc	P1/2	_	-			
CLDX	Celldex	2.599	1.880	1.300	2.240	161	4	(119)	Rintega (Rindopepimut)	EGF RV3 inhibitor: 1L GBM, recurrent GBM	P3, P2	-			-	1
CLDX	Celluex	2,377	1,000	1,500	2,240	101	4	(119)	Glembatumumab	glycoprotein NMB inhibitor: Triple -ve BC, met melanoma	2x P2	-	_ >	0	4	'
									Varlilumab	CD27: Lymphomas/leukemias/solid tum.	4x P1	-	1000			
									CDX-1401 (mab)	NY-ESO-1 tumour antigen: Multiple solid tmrs	P2	-	_			
									CDX-301 (mab)	Flt3 inhibitor of hematopoietic stem cells	2x P1	-	_			
IMGN	ImmunoGen	1 627	619	965	1.515	307	60	(67)	Mirvetuximab Soravtansine	ADC: FRQ+ ovarian and other solid tumor	P1	-	13	10	1	3
II-IGIV	mmanoach	1,027	017	703	1,515	307	00	(01)	Coltuximab Ravtansine	CD19+ antibody: diffuse large B-cell lymphoma	P2	Returned by Sanofi	13	10	-	,
									IMGN529	ADC: CD37+ Non-hodgkins lymphoma and CLL	P1	-	_			
									Kadcyla (Herceptin ADC)	HER2+ met BC 2L, met BC 1L, BC others, gastric	Appr, 3x P3, P2	Roche; TPG bought all royalties	-			
									SAR650984	CD38 antibody: r/r multiple myeloma	P2	Sanofi				
									BT-062	ADC targeting CD138: multiple myeloma, triple negative met breast cancer, met bladder cancer	r P2, P1	Biotest	000			
									7 others (lowroyalties)	Targeting CA6+, CEACAM5, EGFRVIII, CD70, cKit, mesothelin, P-cadherin+	7xP1	Amgen, Bayer, Novartis, Sanofi	_			
ZIOP	Ziopharm	1,623	987	340	1.494	27	1	(43)	Ad-RTS-IL-12	DNA-based IL-12 modulator: met breast cancer, met melanoma	P2, P1	-	2	2	1	0
	•								CAR/Cytokine product	B-cell malignancy	P1	-				
ARIA	Ariad	1,587	1,380	1,113	1,659	379	105	(151)	Iclusig (ponatinib)	ABL inhibitor: refractory CML, ALL, GIST, lung, AML, medullary thyroid cancer	Approved, 3x P2	-	2	1	4	0
									Brigatinib (AP26113)	ALK inhibitor: NSCLC	P2, P1/2	-				
NLNK	NewLink	1,565	1,090	682	1,352	130	173	(119)	Algenpantucel-L	Pancreatic (resected), Pancreatic (borderline resectable)	P3 enrolled, P3	-	7	3	5	2
									Tergenpumatucel-L	NSCLC	P2	_				
									Dorgenmeltucel-L	Melanoma	P2	-	1000			
									HyperAcute* Prostate	Met castrate-resistant prostate cancer	P2 starting	-	_			
									HyperAcute" Renal	renal cancer	P1	-				
									Indoximod	HER2- met breast cancer, prostate cancer	2x P2	-				
									NLG919	IDO1 inhibitor: Solid tum.	P1	Genentech				
									rVSV-EBOV	Ebola vaccine	P1	Merck				
Hutch	ison					>250	24.8	(9.8)	AZD 6094 (savolitinib)	Met TKI: PRCC, NSCLC x 3, GC x 4	P2, 2x P1b, P1, 4x P1b	AstraZeneca	7	11	5	1
Medip	harma								Fruquintinib	VEGFR TKI: CRC, NSCLC, GC	P3, P2, P2, P1b	Eli Lilly	·· parameter			
									Sulfatinib	VEGFR/FGFR TKI: Neuroendocrine tum., liver cancer	P1b	-	ung	By yea		
									HMPL-523	SYK TKI: Inflammation (RA/MS/Lupus)	P1	-	9	18	5	1
									Epitinib	EGFR TKI: NSCLC with brain mets	P1b	-				
									Theliatinib	EGFR TKI: oesophageal, other solid tum.	Pl	-				
									HMPL-004	UC induction, UC maintenance, Crohn's	Under review	Nestlé Health Science				

## Drug R&D Division proxy peer group (2/2)



#### HMP - A very deep pipeline and a very large organisation/operation

			Mkt Cap		Ent.		20	14		Clinical Pipeline			# of	# (	of stu	dies
Sym	Name	20 Jul	15 Feb	10 Jul '14	Value	Staff	Sales	EBITDA	Drug	Studies	Phase	Partner	_ drugs	P1	P2	Р3
RLYP	Relupsa	1.441	1.160	829	1.134	115	0	(73)	Patiromer	Hyperkalemia (abnormally elevated levels of potassium in the blood)	NDA	-	1	0	0	0
	MacroGenics	1,263	948	550	1.000	211	48	(36)	Margetuximab (mab)	anti-Her2: meta breast, refractory breast , gastroesophageal cancer	P3 to start, P2a, P1/2 to start	-	5	4	2	1
		-,			.,			()	MGA271 (mab)	anti-B7-H3: refractory neoplasm	P1	Servier (excl NA, S Kor & Jap)	_	•	_	•
									MGD006	anti-CD123/CD3: R/R AML	P1	Servier	10000			
									MGD007	anti-gpA33/CD3: colorectal cancer	P1 to start	Servier				
									Teplizumab (mab)	anti-CD3: type 1 diabetes	P2/3		_			
EXEL	Exelixis	1,153	484	650	1,416	98	25	(214)	Cometriq (Cabozantinib)	Medullary thyroid cancer	Approved	-	6	2	2	1
					·				Cobimetinib	MEK inhibitor: Unresectable locally adv or met melanoma	P3	-	-			
									XL888	HS P90 inhibitor: solid tumors	P1	-	1000			
									SAR245408	PI 3K inhibitor: Adv or recurr endometrial cancer, ER/PR+ HER2- breast cancer	P2	Sanofi				
									SAR245409	PI3K/mTOR inhibitor	P1b/2	Sanofi	-			
									CS-3150	Non-steroidal MR antagonist	P2	Daiichi-Sankyo				
MACK	Merrimack	1,128	1,080	716	1,158	306	103	(63)	MM-398	Nanotherapeutic: pancreatic cancer, colorectal cancer, glioma	P3, 2x P1	Baxter (ex-USA/Taiwan)	6	12	5	1
									MM-121 (mab)	anti-ErbB3: NSCLC, breast cancer, ovarian cancer	3x P2, P1/2, 5x P1	Sanofi				
									MM-111 (bsab)	anti-ErbB3/ErbB2: 2nd line gastric cancer	P2, P1	-				
									MM-302	Her2 targeted nanotherapeutic: Her2+ breast cancer	P2/3, P1	-				
									MM-151 (oligo-ab)	EGFR targeted Ab: solid tum.	P1	-				
									MM-141 (bsab)	PI 3K/AKT/mTOR targeted Ab: cancer	P1	-				
ARRY	Array	963	1,120	535	881	198	42	(68)	Binimetinib (MEK162)	MEK inhibitor: low-grade serious ovarian can., NRAS mutant and BRAF V600 mutant melanoma	3x P3, 7x P2, 5x P1/2, 4x P1	-	16	29	24	8
			,					(00)	Filanesib (ARRY-520)	KSP inhibitor: R/R multiple myeloma delayed pending acquisition of encorafenib)	P3 to start, 2x P2, 2x P1	-				
									Encorafenib (LGX818)	BRAF-inhibitor: combo with binimetinib for melanoma;	P3, 3x P2, 4x P1/2, P1	_				
									Selumetinib (AZD6244)	MEK inhibitor: NSCLC, thyroid cancer, uveal melanoma	3x P3, 3x P2, 5x P1	AstraZeneca				
									ARRY-797	LMNA-related DCM	P2	-				
									ARRY-502	CRTh2 antagonist: asthma	P2	-				
									10 others, all partnered		7xP2, 8xP1	Celgene, Lilly, Roche, 5 biotechs				
EPZM	Epizyme	912	737	1,044	669	86	41	(54)	EPZ-5676	DOT1L inhibitor: adult/pediatric AML, ALL	P1, P1b	Celgene (outside US)	2	2	1	0
									EPZ-6438	EZH2 inhibitor: NHL	P1/2	Eisai				
(PTI	Karyopharm	856	887	1,070	610	71	0	(76)	Selinexor	XPO1 inhibitor:DLBCL, Richter's transformation	9x P2, P1/2, 3x P1	-	2	4	10	0
	٠.			·					Verdinexor	Dogs with lymphomas	P2b (vet)	-	_			
NFI	Infinity	480	738	553	247	195	165	(6)	Duvelisib	P13K inhibitor: indolent NHL, CLL, advanced hematologic malignancies	2x P3, P2, 3x P1	AbbVie (oncology)	1	3	1	2
													-		_	
AVERA	AGE (ALL 16)	2,106	1,684	941									5	5	5	- 1
MEDIA	ANI (ALL 17)	1.57/	1 105	003									-			٠.
MEDIA	AN (ALL 16)	1,576	1,105	902									3	4	4	_ !
Hutch	ison					>250	24.8	(9.8)	AZD 6094 (savolitinib)	Met TKI: PRCC, NSCLC x 3, GC x 4	P2, 2x P1b, P1, 4x P1b	AstraZeneca	7	11	5	1
MediF	Pharma								Fruquintinib	VEGFR TKI: CRC, NSCLC, GC	P3, P2, P2, P1b	Eli Lilly	· ,			
									Sulfatinib	VEGFR/FGFR TKI: Neuroendocrine tum., liver cancer	P1b	-	_	By yea		
									HMPL-523	SYK TKI: Inflammation (RA/MS/Lupus)	P1		9	18	5	
									Epitinib	EGFR TKI: NSCLC with brain mets	P1b	-	_			
									Theliatinib	EGFR TKI: oesophageal, other solid tum.	P1	-				
									HMPL-004	UC induction, UC maintenance, Crohn's	Under review	Nestlé Health Science				



## China Commercial Platform has substantial value

- Chi-Med's Commercial Platform continues to perform well relative to our peer group.
- The real market value, based on peer group multiples is approximately \$2.0 billion<sup>[3]</sup>. Considering our share in the JVs, Chi-Med's share of this value is approximately \$910 million.

			NET SALES			NET F	ROFIT		VALUATION	METRICS
	Code	2013	2014	Growth	2013	2014	Growth	2014 Margin	Market Cap.	P/E <sup>[2]</sup>
CHI-MED Commerical Platform Subsidiaries/JVs <sup>[1]</sup>		400.1	465.5	16%	39.4	48.8	24%	10.5%	na	na
Tianjin Zhong Xin Pharma	600329	970.9	1,135.7	17%	58.3	61.3	5%	5.4%	2,399	48
Li Zhu Pharma	000513	746.2	888.5	19%	84.7	89.4	6%	10.1%	2,762	36
Kunming Pharma	600422	579.0	660.3	14%	38.1	49.7	30%	7.5%	2,041	40
Shandong Dong EE Jiao	000423	648.8	642.5	-1%	197.0	221.7	13%	34.5%	5,368	22
Zhejiang Kang En Bai Pharma	600572	472.4	574.0	22%	73.4	117.6	60%	20.5%	2,737	40
Jiang Zhong Pharma	600750	448.8	505.9	13%	28.0	43.1	54%	8.5%	1,999	42
Jin Ling Pharma	000919	421.0	454.2	8%	30.7	39.6	29%	8.7%	1,533	44
Guizhou Yi Bai Pharma	600594	449.9	444.2	-1%	69.6	77.7	12%	17.5%	3,796	47
Jiangsu Kang Yuan	600557	360.3	410.7	14%	48.6	52.2	7%	12.7%	2,262	43
Zhuzhou Qian Jin Pharma	600479	318.7	351.6	10%	20.8	19.0	-9%	5.4%	845	50
Peer Group Weight Avg. (10 Comps. excl. Chi-Med)	)	541.6	606.8	12%	64.9	77.1	19%	12.7%	2,574	41
65 Listed China Pharma. Companies Weight Avera	ge	839.9	934.2	11%	61.2	68.4	12%	7.3%	3,228	69

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 estimated 2014 Net Sales in the ~\$400-1,000 million range.



## Experienced pharma management team

POSITION		EXPERIENCE (yrs) Industry/Chi-Med	ROLE / BACKGROUND
CHRISTIAN HOGG, BSC, MBA Chief Executive Officer	<b>P&amp;G</b> Procter & Gamble	26/15	Led all aspects of the creation, implementation & management of Chi-Med's strategy, business & IPO since 2000 start - incl. AZ, Lilly, Nestlé deals & est. of pharma business.
WEIGUO SU, PHD  EVP, Chief Scientific Officer	Pfizer	25/10	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-Myer Squibb	26/7	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  Abbott A Promise for Life	e 16/1	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	Pfizer	25/7	Leads all CMC development & manufacturing for Chi-Med's pipeline; Sr Director of PS at Phenomix; Director of Pharmaceutical Development at Pfizer San Diego.
MAY WANG, PHD SVP, Bus. Dev. & Strategic Alliances	Lilly	21/5	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	16/6	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.
- All scientific leadership have participated in the discovery & development of global blockbusters.













## Breakthrough Therapy Model

## Redefining risk & development speed in oncology



Tufts Conventional Mo	del <sup>[1]</sup> :	Yr 1	Yr 2	Yr 3	Yr 4	Yr	5	Yr 6	Yr 7	Yr 8
Clinical Development	8.2 yrs	Phase	1: 9.8%	Pha	ase 2: 14.1	%		Phase 3:	37.2%	
US Approval times	0.6 yrs									90.5%
Time to Launch	8.8 yrs									
Phase 1 to 2 transition probability			69	9.7%						
Phase 2 to 3 transition probability						37.	9%			
Phase 3 to Submission transition proba	ability						***************************************			41.1%
Submission to Approval probability										90.
<ol> <li>Rare cancer type - life-threatening, c</li> <li>Clear understanding of molecular pa</li> <li>Unprecedented efficacy - substantia pool early in clinical development.</li> </ol> Breakthrough Therapy Clinical Development	thways of disease - patient strait treatment effects in large end  Model ("BT") <sup>[2]</sup> :	atification.		AZD9291: ceritinib: palbociclib: volasertib:	75% (3/4) (P Ph I ORR 64% Ph I ORR 25% in ER+, HER2 Ph I/II ORR 3 therapies (co	h.II 69%, 47/ 6 (57/89) in 1 6 (45/80) in H 6 (9/36) in HI - post meno 1% (13/42) ii ombo with c	69) in m 790M+ i ALK+ criz R positiv pausal b n acute r ytarabin	antle cell lymp non-small cell l otinib relapsec e breast cancer oreast cancer (I myeloid leuken e).	ung cancer. I. r. BTT for combo PFS 26.1mo vs. T nia, ineligible fo	o with letrozo 7.5mo).
Clinical Development	8.2 yrs			Ph.2a	F	h.2b		Phase 3 (Con	firmatory)	
US Approval times Time to Launch	0.6 yrs 5.5 yrs						>90%			
	<del>-</del>									
Interim Analysis Phase 2 (confirm Phase					>50%					
Breakthrough Therapy Designation (base	ed on Interim Analysis data) pr	obability		***************************************		>8			***************************************	
Submission to Approval probability							>9(	0.0/		

<sup>42</sup> 

## Targeted therapies – fastest growth & largest<sup>[1]</sup>

CHI-

Pricing beyond reach of the 3.8 million new cancer patients/year in China MED

Global Oncology drug market<sup>[2]</sup>: \$91 billion

China Oncology Market: \$7.4 billion

Pharmaceutical
Market<sup>[3]</sup>:

,	6 of Oncology		Share of Sub	-		Est. Market	Approx. patient	12 mo. treatment
	Market	Sub-Category	category	Product	Company	Sales (\$m)	cost/month (\$)	(Est. # patients)
	23.0%	Targeted	19.5%	rituximab	Roche	333	16,780	1,654
		Therapies	14.9%	trastuzumab	Roche	254	5,130	4,133
			14.2%	imatinib	Novartis	243	6,323	3,196
			9.5%	gefitinib	AstraZeneca	162	2,730	4,952
			8.2%	bevacizumab	Roche	140	6,251	1,867
			7.4%	erlotinib	Roche	126	3,108	3,388
			5.3%	cetuximab	BMS/BI	91	14,146	533
			4.6%	sorafenib	Bayer	79	8,329	786
			4.0%	bortezomib	Janssen	68	8,133	700
			12.4%	Other		212		
L				Total Targeted The	rapies	1,708		21,210
	20.49	Anti-matabalitas	20.10/	n a m a véra d	Lilly/Hansah	441		
	20.4%	Anti-metabolites	29.1%	pemextred	Lilly/Hansoh	441		
			21.5%	capecitabine	Roche	326		
			20.4%	TS-1	Taiho/Qilu	309		
			16.6%	gemcitabine Other	Lilly/Hansoh	251		
			12.4%	Total Anti-Metabol	itos	188		
г				TOTAL WILLI-WETADOL	iles	1,515		
	19.7%	Plant Alkaloids	49.3%	paclitaxel	BMS/Luye	721		
			42.4%	docetaxel	Sanofi/Hengrui	619		
			8.4%	Other		122		
L				Total Plant Alkaloi	1s	1,463		
	10.5%	DNA Damaging	46.5%	oxaplatin	Sanofi/Hengrui	363		
	10.5%	agents	21.3%	temzolomide	Merck/Tasly	166		
			13.1%	nedaplatin	MEICKIASIY	100		
			4.3%	carboplatin		34		
			14.8%	Other		115		
			14.0%	Total DNA Damagii	na Agents	780		
г				Total Divi Damagn	ig Agents	700		
	6.1%	Hormones	29.8%	letrozole	Novartis/Hengru	135		
			23.0%	bicalutamide	AstraZeneca	104		
			19.5%	anastrozole	AstraZeneca	88		
			17.1%	exemestane	Pfizer/Qilu	77		
			10.6%	Other		48		
*				Total Hormones		453		



HUTCHISON CHINA MEDITECH

Thank you