

Acceleron Pharma Inc. (XLRN)

Overweight

Correction: Ends 1Q:14 w/ Cash of \$214 Million; Multiple Data Read-outs in June

CONCLUSION

Acceleron ended 1Q:14 with \$214.1 million. Celgene purchased 1.1 million shares of XLRN on May 5th from existing shareholders, so the company received no proceeds (we had previously incorrectly published that Celgene had bought these shares from the company). Acceleron will present two posters on wholly-owned dalantercept in renal cell carcinoma (RCC) in combination with axitinib as well as head & neck at ASCO at the end of the month. We also expect to see Phase II data on both sotatercept and ACE-536 at the European Hematology Association (EHA) meeting in Milan next month. We reiterate our Overweight rating and price target of \$65.

- **Correction: Cash of \$214 million.** Acceleron ended 1Q:14 with cash of \$214.1 million including net proceeds of \$129 million received in a January follow-on offering. On May 5, Celgene purchased 1.1 million shares of XLRN for \$47.1 million from existing shareholders, bringing their ownership position to 14.6% of Acceleron. Acceleron received no proceeds from the transaction.
- **Dalantercept data at ASCO.** Acceleron provided a first look at data from the RCC and head & neck cancer Phase II studies of dalantercept that will be presented at the American Society of Oncology (ASCO) annual meeting being held May 30-June 3 in Chicago. Part 1 of the Phase II RCC trial was a dose escalation study (Abstract #4566). In 20 evaluable RCC patients, dalantercept in combination with INLYTA (axitinib) achieved an objective response rate (ORR) of 25% (5/20 patients) and 10 patients had stable disease equating to a disease control rate (DCR) of 75%. There were no dose-limiting toxicities. Based on these results, Acceleron has selected the dose to be used in Part 2 of this study, which should begin shortly in 130 RCC patients. In 40 evaluable heavily pre-treated squamous head & neck cancer patients (Abstract #6045), dalantercept achieved a DCR of 45%. The benefit from therapy was dose dependent with a 48.1% DCR in 1.2 mg/kg patients and 38.5% in the 0.6mg/kg group. Median overall survival (OS) was 9.5 months at the higher dose and 7.1 at the lower dose. Typically, head & neck cancer patients at similar staging would have a mean OS of ~5.9 months. Investigators will also report data on dalantercept in endometrial cancer (Abstract #5594), although the study showed limited monotherapy activity. Dalantercept will likely be further examined in this cancer as part of a combination therapy. The company expects to initiate a Phase Ib dalantercept trial in HCC in the near-term.

RISKS TO ACHIEVEMENT OF PRICE TARGET

Sotatercept, ACE-536 and/or dalantercept may fail in the clinic or to gain regulatory approval. The Celgene partnership may falter. Acceleron may require additional capital or could face future unforeseen litigation.

COMPANY DESCRIPTION

Acceleron is developing novel drugs for hematology and cancer.

PRICE: US\$31.56

TARGET: US\$65.00

Proj. EV of \$1.9B + YE:14E net cash

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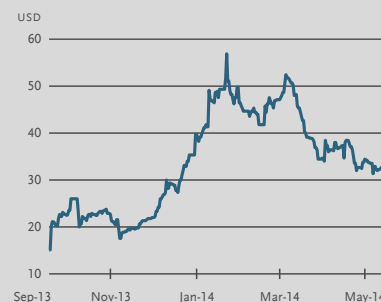
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Changes	Previous	Current
Rating	—	Overweight
Price Tgt	—	US\$65.00
FY14E Rev (mil)	—	US\$22.5
FY15E Rev (mil)	—	US\$20.4
FY14E EPS	US\$(1.44)	US\$(1.47)
FY15E EPS	US\$(1.92)	US\$(1.98)
52-Week High / Low	US\$57.89 / US\$15.00	
Shares Out (mil)	31.5	
Market Cap. (mil)	US\$994.1	
Avg Daily Vol (ooo)	320	
Book Value/Share	US\$5.74	
Net Cash Per Share	US\$6.81	
Debt to Total Capital	0%	
Div (ann)	NA	
Fiscal Year End	Dec	

Price Performance - 1 Year



Source: Bloomberg

YEAR	REVENUE (US\$ m)						EARNINGS PER SHARE (US\$)					
	Mar	Jun	Sep	Dec	FY	FY RM	Mar	Jun	Sep	Dec	FY	FY P/E
2013A	15.0	26.4	4.1	11.1	56.7	17.5x	0.13	0.64	(0.54)	(0.21)	(0.07)	NM
2014E	3.3A	3.0	3.1	13.1	22.5	44.2x	(0.30)A	(0.46)	(0.49)	(0.22)	(1.47)	NM
2015E	—	—	—	—	20.4	48.7x	—	—	—	—	(1.98)	NM

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- **After ASCO, Focus Will Turn Back To Anemia Franchise.** At the European Hematology Association (EHA) meeting being held June 12th-15th, we expect to see updated Phase II data evaluating both Sotatercept and ACE-536 in beta-thalassemia. We also expect to see data evaluating ACE-536 in myelodysplastic syndrome (MDS). After recent data showing activity for sotatercept in anemia for end-stage renal disease (ESRD) patients, partner Celgene is initiating a Phase II ESRD study with a 60-patient dose-escalation and 230-patient randomized control study versus ESA. The companies also intend to present pre-clinical data for ACE-536 in sickle cell disease that point to some potential in this challenging indication. Celgene is responsible for all costs of these drugs going forward with Acceleron retaining co-promote rights in North America and low-to-mid 20% royalties. We anticipate Celgene will begin a Phase III trial in Beta-thalassemia in late 2014 or early 2015.
- **ACE-083 Phase I To Start 2H:14.** Acceleron is prepping to submit an IND for this compound as a therapy that encourages both increased physical strength in addition to muscle mass.

Acceleron Pharma Inc.
Quarterly Earnings Estimates
(\$ in thousands, except per share data)

5/15/2014

	1QA	2QA	3QE	4QE	2013E	1QA	2QE	3QE	4QE	2014E	2015E
Collaboration Revenue:											
License and milestone	\$12,515	\$22,891	\$625	\$7,625	\$43,656	\$0	\$0	\$100	\$10,100	\$10,200	\$10,400
Cost-sharing, net	2,497	3,537	3,500	3,500	13,034	3,307	3,000	3,000	3,000	12,307	10,000
Total Revenues	\$15,012	\$26,428	\$4,125	\$11,125	\$56,690	\$3,307	\$3,000	\$3,100	\$13,100	\$22,507	\$20,400
Operating Expenses:											
Research and Development	8,780	8,911	9,500	10,000	37,191	11,765	12,500	13,000	14,000	51,265	60,000
General and Administrative	3,096	3,365	3,500	4,000	13,961	3,750	4,000	4,500	5,000	17,250	20,000
Total Operating Expenses	\$11,876	\$12,276	\$13,000	\$14,000	\$51,152	\$15,515	\$16,500	\$17,500	\$19,000	\$68,515	\$80,000
Operating Income/(Loss)	\$3,136	\$14,152	(\$8,875)	(\$2,875)	\$5,538	(\$12,208)	(\$13,500)	(\$14,400)	(\$5,900)	(\$46,008)	(\$59,600)
Operating Margin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Total Other Income/(Expense) ¹	(422)	(641)	(3,075)	(2,950)	(7,088)	3,088	(1,050)	(1,100)	(1,150)	(212)	(5,100)
Pretax Income/(Loss)	\$2,714	\$13,511	(\$11,950)	(\$5,825)	(\$1,550)	(\$9,120)	(\$14,550)	(\$15,500)	(\$7,050)	(\$46,220)	(\$64,700)
Pretax Margin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Income Tax	0	0	0	0	0	0	0	0	0	0	0
Tax Rate	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Net Income/(Loss)	\$2,714	\$13,511	(\$11,950)	(\$5,825)	(\$1,550)	(\$9,120)	(\$14,550)	(\$15,500)	(\$7,050)	(\$46,220)	(\$64,700)
Net Margin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Net Income/(Loss) per Share	\$0.13	\$0.64	(\$0.54)	(\$0.21)	(\$0.07)	(\$0.30)	(\$0.46)	(\$0.49)	(\$0.22)	(\$1.47)	(\$1.98)
Basic Shares Outstanding	20,954	20,954	22,250	28,250	23,102	30,321	31,500	31,750	32,000	31,393	32,650

Source: Company reports and Piper Jaffray & Co. analysis.

Note: Acceleron completed its IPO on September 18, 2013 and has not yet provided fully quarterly results for 2012.

1. 2012, 1Q:13 and 2Q:13 Total Other Income/(Expense) line incl. extinguishment of convertible preferred stock and change in fair value of warrants.

Current disclosure information for this company can be found at <http://www.piperjaffray.com/researchdisclosures>.

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R: Resuming Coverage
T: Transferring Coverage
D: Discontinuing Coverage
S: Suspending Coverage
OW: Overweight
N: Neutral
UW: Underweight
NA: Not Available
UR: Under Review

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Rating	Count	Percent	IB Serv./Past 12 Mos.	
			Count	Percent
BUY [OW]	355	61.74	88	24.79
HOLD [N]	203	35.30	20	9.85
SELL [UW]	17	2.96	0	0.00

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Analyst Certification — Edward A. Tenthoff, Sr Research Analyst — David N. Lebowitz, CFA, Research Analyst

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