J.P.Morgan

Intrexon

2Q14: Model Update

We are updating our XON financial model following yesterday's release of 2Q14 results and filing of the 10Q, coupled with the company's first earnings call. We continue to model modestly increasing ECC signings throughout the year across healthcare (particularly, in oncology and CNS) and are encouraged by progress around the recent energy collaboration, including the announcement regarding the successful production of farnesene via methane bioconversion in the lab. We are also updating our estimates to include the recent acquisition of Trans Ova Genetics, a provider of bovine reproductive technologies with ~\$63M in revenue and \$4.8M in net income in 2013. We note that XON is expected to provide further financial details around the deal by late October.

In conjunction with the quarter, we are also updating our DCF and establish a December 2015 PT of \$28 (unchanged vs. our previous December 2014 PT). For more details on our XON investment thesis, please see our initiation note.

Overweight

XON, XON US Price: \$21.64

Price Target: \$28.00

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Intrexon Corporation (XON;XON US)

FYE Dec	2014E (Prev)	2014E (Curr)	2015E (Prev)	2015E (Curr)	2016E
Revenue (\$ mn)					
Q1 (Mar)	8A	8A	10	25	40
Q2 (Jun)	8A	12A	12	42	61
Q3 (Sep)	8	15	13	36	54
Q4 (Dec)	10	24	19	35	53
FY	34	58	54	138	209

Company Data	
Price (\$)	21.64
Date Of Price	15-Aug-14
52-week Range (\$)	38.50-13.13
Market Cap (\$ mn)	2,140.04
Fiscal Year End	Dec
Shares O/S (mn)	99
Price Target (\$)	28.00
Price Target End Date	31-Dec-15

See page 6 for analyst certification and important disclosures.

J.P. Morgan does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Investment Thesis, Valuation and Risks

Intrexon (Overweight; Price Target: \$28.00)

Investment Thesis

Intrexon is a first mover and leader in the rapidly emerging field of synthetic biology, leveraging its expertise to target high-potential verticals within a diverse set of endmarkets, including healthcare, food, energy and environmental science. The company has a unique and highly scalable ECC (exclusive channel collaboration) business model that should generate significant operating leverage over time. Moreover, we believe XON is led by a best-in-class management team with a proven track record of building and commercializing R&D-driven companies, including New River Pharmaceuticals (sold to Shire for \$2.6B) and Clinical Data (sold to Forest Labs for \$1.2B).

Valuation

Our December 2015 price target of \$28 and is derived from a 10-year discounted cash flow analysis, with a CAPM-derived WACC discount rate of 13.9% and terminal growth of 1.5%.

Risks to Rating and Price Target

Downside risks to our rating, estimates, and price target include: (1) limited near-term revenue visibility due to partnership driven business model; (2) equity stakes in lieu of cash payments from ECC partners provide future optionality but also the risk of impairment; (3) regulatory risk associated with current and future collaborations given exposure to healthcare, food and environmental science end markets; (4) acquisition integration risk related to the Trans Ova Genetics deal.

Figure 1 XON Model

Income Statement (in millions, except pershare amounts)	2011A	2012A	1QA Mar	2QA Jun	3QA Sep	4QA Dec	2013A	1QA Mar	2QA Jun	3QE Sep	4QE Dec	2014E	2015E	CAGR 13-18
Total Revenues (GAAP)	8	14	4	7	6	7	24	8	12	15	24	58	138	72%
R&D	70	64	11	14	11	13	48	12	14	21	28	76	131	
G&A	18	25	6	7	7	12	34	14	15	15	19	63	89	
TransOva (OpEx)	0	0	0	0	0	0	0	0	0	18	12	30	75	
Other operating expenses (incl. AquaBounty)	2	0	0	0	0	0	0	0	0	1	1	2	4	
Operating Profit (Loss) (EBIT) GAAP	(82)	(75)	(14)	(14)	(12)	(18)	(58)	(18)	(18)	(40)	(37)	(113)	(162)	N/A
Reported EBITDA	(82)	(74)	(34)	(4)	17	(10)	(32)	6	(50)	(37)	(33)	(115)	(150)	
Adjusted EBITDA		(60)	(7)	(5)	(5)	(7)	(24)	18	(10)	(31)	(25)	(48)	(113)	
Pretax income (loss) GAAP	(85)	(82)	(36)	(7)	15	(13)	(41)	4	(53)	(39)	(36)	(125)	(159)	N/A
Income tax	0	0	0	0	0	0	0	0	(0)	0	0	0	(60)	
Net Income (loss) GAAP	(85)	(82)	(36)	(7)	15	(13)	(41)	3	(53)	(39)	(36)	(125)	(99)	
Net income (loss) attributable to minority interest	0	0	(0)	(1)	(0)	(1)	(2)	(1)	(1)	0	0	(2)	(0)	
Accr. of dividends on redeemable conv.	(14)	(22)	(6)	(8)	(7)	0	(18)	0	0	0	0	0	0	
Net income (loss) attributable to common shareholders	(99)	(104)	(43)	(14)	8	(12)	(57)	4	(52)	(39)	(36)	(123)	(98)	
Diluted Shares Outstanding	9	6	6	6	56	97	41	99	99	100	100	99	101	
GAAP Diluted EPS	(\$10.81)	(\$18.79)	(\$7.54)	(\$2.45)	\$0.15	(\$0.13)	(\$1.40)	\$0.04	(\$0.53)	(\$0.39)	(\$0.36)	(\$1.24)	(\$0.97)	N/A
R&D Margin (as % of total revenue)	861%	461%	294%	202%	175%	176%	202%	154%	123%	145%	120%	132%	95%	
SG&A Margin	224%	179%	167%	111%	121%	172%	141%	174%	131%	100%	80%	108%	65%	
Operating (EBIT) Margin GAAP	-1009%	-540%	-361%	-213%	-196%	-248%	-243%	-228%	-153%	-272%	-155%	-194%	-118%	
Effective Tax Rate	0%	0%	0%	0%	0%	0%	0%	9%	1%	0%	0%	0%	38%	
Net Margin GAAP	-1213%	-746%	-1100%	-208%	135%	-171%	-241%	52%	-442%	-266%	-152%	-212%	-71%	
Revenue growth y/y		70%	140%	145%	110%	7%	71%	102%	76%	140%	229%	144%	138%	
EPS growth y/y														

Source: J.P. Morgan estimates, Company data.

Figure 2: XON DCF Analysis

growth y/y				169%	83%	44%	30%	21%	17%	13%	10%	9%
Free Cash Flow	(51)	(73)	31	84	154	222	288	347	406	457	504	551
Tax-affected adj. EBIT (\$M)	(58)	(77)	30	80	153	222	289	345	408	456	504	551
Adj. EBIT (\$M)	(58)	(125)	48	129	247	358	465	556	658	736	813	889
Projected FY Ending Dec	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Target Period: Dec 2015	•											

	Discounted		PV	of Termi	nal Valu	e (\$M) a	t a							Equiv	alent Te	rminal	
Discount Rate	Cash Flows (\$M)			Perpetua	al Growt	h Rate o	f		Enterp	rise Valu	ie (\$M)		EBI	TDA Mult	iple (for	ward 12 n	nos)
	2015-2024		0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%
12.9%	1,414		1,419	1,486	1,559	1,639	1,727	2,834	2,901	2,974	3,054	3,141	3.2x	3.2x	3.3x	3.4x	0.0x
13.4%	1,378		1,308	1,368	1,432	1,503	1,580	2,686	2,745	2,810	2,880	2,957	3.0x	3.1x	3.1x	3.2x	0.0x
13.9%	1,342	+	1,207	1,261	1,318	1,380	1,448	2,550	2,603	2,660	2,723	2,791	2.8x	2.9x	3.0x	3.0x	0.0x
14.4%	1,308	•	1,116	1,164	1,215	1,271	1,331	2,425	2,472	2,523	2,579	2,639	2.7x	2.8x	2.8x	2.9x	0.0x
14.9%	1,275		1,034	1,076	1,122	1,172	1,225	2,309	2,352	2,398	2,447	2,500	2.6x	2.6x	2.7x	2.7x	0.0x
	Net Debt (Cash)													Ter	minal Va	lue	
	(\$M)			Equi	ty Value	(\$M)			Equity'	Value pe	r Share			as a % o	f Enterpr	ise Value	
			0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%	0.5%	1.0%	1.5%	2.0%	2.5%
	(160)		2,994	3,061	3,134	3,214	3,301	\$29.63	\$30.30	\$31.02	\$31.81	\$32.68	50%	51%	52%	54%	55%
	(160)		2,846	2,905	2,970	3,041	3,117	\$28.17	\$28.76	\$29.40	\$30.10	\$30.86	49%	50%	51%	52%	53%
_	(160)		2,710	2,763	2,821	2,883	2,951	\$26.82	\$27.35	\$27.92	\$28.54	\$29.21	47%	48%	50%	51%	52%
	(160)		2,585	2,632	2,684	2,739	2,799	\$25.59	\$26.06	\$26.56	\$27.11	\$27.71	46%	47%	48%	49%	50%
	(160)		2,469	2,512	2,558	2,607	2,660	\$24.44	\$24.86	\$25.32	\$25.81	\$26.33	45%	46%	47%	48%	49%

Source: J.P. Morgan estimates, Company data.

Intrexon: Summary of Financials

Cost of products sold - - - - - - - - -	Income Statement - Annual	FY13A	FY14E	FY15E	FY16E	Income Statement - Quarterly	1Q14A	2Q14A	3Q14E	4Q14E
Gross profit	Revenues	24	58	138	209	Revenues	8A	12A	15	24
SG&A (34) (63) (69) (50) SG&A (14) (14) (15) (15) (19) (19) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10)	Cost of products sold	-	-	-	-	Cost of products sold	-	-	-	-
R&D (41) (66) (119) (66) (119) (66) R&D (10)A (13)A (13)A (18) (18) (25) Operating income (40) (83) (162) (19) Operating income 4A (52)A (40) (37) (37) (37) (37) (37) (37) (37) (37	Gross profit	-	-	-	-	Gross profit	-	-	-	-
Operating income (40) (83) (162) (19) Operating income 4A (52)A (40) (37) (37) (37) (37) (37) (33) (37) (33) (37) (33) (33) Observations 6A (50)A (37) (33) (33) Net interest (income) / expense - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - </td <td>SG&A</td> <td>(34)</td> <td>(63)</td> <td>(89)</td> <td>(50)</td> <td>SG&A</td> <td>(14)A</td> <td>(15)A</td> <td>(15)</td> <td>(19)</td>	SG&A	(34)	(63)	(89)	(50)	SG&A	(14)A	(15)A	(15)	(19)
EBITDA	R&D	(41)	(66)	(119)	(66)	R&D	(10)A	(13)A	(18)	(25)
Net interest (income) / expense	Operating income	(40)	(83)	(162)	(19)	Operating income	4A	(52)A	(40)	(37)
Other income / (expense) 18 (10) 3 3 Other income / (expense) 22A (34)A 1 1 Income laxes 0 0 0 60 6 Income laxes (0)A 0A 0 0 Net income (273) (98) (10) Inticome laxes (0)A 0A 0 0 Diluted shares outstanding 41 99 101 102 Diluted shares outstanding 99A 99A 100 100 Diluted EPS (10A) 12.44 697 (0.10) Diluted shares outstanding 99A 99A 100 100 Balance Sheet and Cash Flow Data FY13A FY14E FY15E FY16E Ratio Analysis FY13A FY14E FY15E FY16E Cash and cash equivalents 50 43 61 55 Sales growth 70.6% 143.5% 137.7% 51.7% Accounts receivable 7 10 15 23 EBI growth (51.7% 109.6%	EBITDA	(32)	(73)	(150)	(7)	EBITDA	6A	(50)A	(37)	(33)
Income taxes	Net interest (income) / expense	-	-	-	-	Net interest (income) / expense	-	-	-	-
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Diluted shares outstanding 41 99 101 102 Diluted shares outstanding 99A 99A 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 10	Net income	(57)		(98)	(10)	Net income	`4A	(86)A	(39)	(36)
Balance Sheet and Cash Flow Data FY13A FY14E FY15E FY16E Ratio Analysis FY13A FY14E FY15E FY16E Cash and cash equivalents 50 43 61 55 Sales growth 70.6% 143.6% 137.7% 51.7% Accounts receivable 7 10 15 23 EBIT growth (51.7%) 109.6% 95.6% (88.1%) (10 10 10 10 10 10 10 1	Diluted shares outstanding	41	99	101	102	Diluted shares outstanding	99A	99A	100	
Balance Sheet and Cash Flow Data FY13A FY14E FY15E FY16E Cash and cash equivalents 50 43 61 55 53 53 53 53 53 54 55 53 53	Diluted EPS	(1.40)	(1.24)	(0.97)	(0.10)	Diluted EPS	0.04A	(0.87)A	(0.39)	(0.36)
Accounts receivable 7 10 15 23 EBIT growth (51.7%) 109.6% 95.6% (88.1%) Inventories EPS growth (92.6%) (11.6%) (21.4%) (90.0%) Other current assets 3 3 3 3 3 Current assets 188 157 180 182 Gross margin	Balance Sheet and Cash Flow Data	FY13A	FY14E	FY15E	FY16E	Ratio Analysis	FY13A		FY15E	
Inventories	Cash and cash equivalents	50	43	61	55	Sales growth	70.6%	143.6%	137.7%	51.7%
Current assets 188 157 180 182 182 Gross margin 166.3% 143.1% 117.7% 17.7% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.2% 18.	Accounts receivable	7	10	15	23	EBIT growth	(51.7%)	109.6%	95.6%	(88.1%)
Current assets 188 157 180 182 Gross margin - - - - - - - - -	Inventories	-	-	-	-	EPS growth	(92.6%)	(11.6%)	(21.4%)	(90.0%)
PP&E 17 19 23 26 EBIT margin (166.3%) (143.1%) (117.7%) (9.2%) Total assets 469 463 481 479 EBITDA margin (136.2%) (126.3%) (109.0%) (38.0%) (38.0%) Total debt 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Other current assets	3	3	3	3	· ·	, ,	, ,	, ,	,
Total assets 469 463 481 479 EBITDA margin (136.2%) (126.3%) (109.0%) (3.5%) Tax rate 0.0% (0.0%) (38.0%) (38.0%) (38.0%) Tax rate 0.0% (241.1%) (212.3%) (71.4%) (4.8%) Total liabilities 88 208 269 280 Shareholders' equity 381 255 213 199 Net Debt / EBITDA 147.9% 56.3% 39.4% 735.2% Net Debt / Capital (book) (14.4%) (19.3%) (38.4%) (36.5%) Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Charge in working capital (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM NM Capex (2) (5) (2) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow (55) (69) (86) 1 Cash flow from investing activities (224) 2 41 (9) Cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (Current assets	188	157	180	182	Gross margin	-	-	-	-
Total assets 469 463 481 479 EBITDA margin (136.2%) (126.3%) (109.0%) (3.5%) Tax rate 0.0% (0.0%) (38.0%) (38.0%) (38.0%) Tax rate 0.0% (241.1%) (212.3%) (71.4%) (4.8%) Total liabilities 88 208 269 280 Shareholders' equity 381 255 213 199 Net Debt / EBITDA 147.9% 56.3% 39.4% 735.2% Net Debt / Capital (book) (14.4%) (19.3%) (38.4%) (36.5%) Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Charge in working capital (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM NM Capex (2) (5) (2) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow (55) (69) (86) 1 Cash flow from investing activities (224) 2 41 (9) Cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (224) 2 41 (9) Cash flow from financing activities (PP&E	17	19	23	26	EBIT margin	(166.3%)	(143.1%)	(117.7%)	(9.2%)
Tax rate 0.0% (0.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (70.00%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%) (38.0%)	Total assets	469	463	481	479	EBITDA margin		(126.3%)	(109.0%)	
Total debt 2 2 2 2 2 Net margin (241.1%) (212.3%) (71.4%) (4.8%) Total liabilities 88 208 269 280 Shareholders' equity 381 255 213 199 Net Debt / EBITDA 147.9% 56.3% 39.4% 735.2% Net Debt / Capital (book) (14.4%) (19.3%) (38.4%) (36.5%) Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends							0.0%	(0.0%)	(38.0%)	
Total liabilities 88 208 269 280 Shareholders' equity 381 255 213 199 Net Debt / EBITDA 147.9% 56.3% 39.4% 735.2% Net Debt / Capital (book) (14.4%) (19.3%) (38.4%) (36.5%) Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends	Total debt	2	2	2	2	Net margin	(241.1%)	, ,	, ,	
Shareholders' equity 381 255 213 199 Net Debt / EBITDA 147.9% 56.3% 39.4% 735.2% Net Debt / Capital (book) (14.4%) (19.3%) (38.4%) (36.5%) Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends	Total liabilities	88	208	269	280	ŭ	, ,	,	,	,
Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales Enterprise value / EBITDA NM NM NM NM Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends		381	255	213	199	Net Debt / EBITDA	147.9%	56.3%	39.4%	735.2%
Net income (including charges) (41) (125) (99) (10) D&A 7 10 12 12 Return on assets (ROA) (18.4%) (26.4%) (20.8%) (2.1%) Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales 91.0 37.6 15.7 10.4 Enterprise value / EBITDA NM NM NM NM NM NM Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends	, , , , , , , , , , , , , , , , , , ,					Net Debt / Capital (book)			(38.4%)	
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Change in working capital (8) 21 (2) (4) Return on equity (ROE) (24.6%) (38.6%) (42.0%) (4.8%) Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales 91.0 37.6 15.7 10.4 Enterprise value / EBITDA NM	D&A	` '	٠,			Return on assets (ROA)	(18.4%)	(26.4%)	(20.8%)	(2.1%)
Other (12) 29 5 5 Cash flow from operations (54) (65) (84) 3 Enterprise value / sales 91.0 37.6 15.7 10.4 Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow from investing activities (224) 2 41 (9) (9) (9) (9) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10) (10)						, ,	,	,	, ,	, ,
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Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0%		, ,				Enterprise value / sales	91 0	37 6	15 7	10 4
Capex (2) (5) (2) (2) Free cash flow yield (6.2%) (3.2%) (3.9%) 0.0% Free cash flow (55) (69) (86) 1 Cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends - - - -	cash hon hom operations	(0.)	(00)	(0.)	ŭ	•				
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Cash flow from investing activities (224) 2 41 (9) Cash flow from financing activities 316 56 60 0 Dividends	•				. ,		(0.270)	(5.270)	(5.570)	5.570
Cash flow from financing activities 316 56 60 0 Dividends		` '	٠,	٠,						
Dividends	ŭ	, ,								
	<u> </u>	-			-					
LANGERU VIEW	Dividend yield	_	_	_	_					

Source: Company reports and J.P. Morgan estimates.

Note: \$ in millions (except per-share data). Fiscal year ends Dec

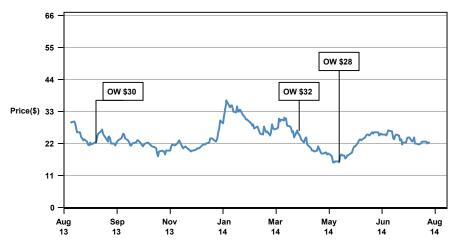
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Intrexon (XON, XON US) Price Chart



Date	Rating	Share Price (\$)	Price Target (\$)
03-Sep-13	OW	22.31	30.00
01-Apr-14	OW	26.29	32.00
12-May-14	OW	15.76	28.00

Source: Bloomberg and J.P. Morgan; price data adjusted for stock splits and dividends. Initiated coverage Sep 03, 2013.

The chart(s) show J.P. Morgan's continuing coverage of the stocks; the current analysts may or may not have covered it over the entire period.

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	(buy)	(hold)	(sell)
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IB clients*	55%	49%	34%
JPMS Equity Research Coverage	46%	47%	7%
IB clients*	75%	66%	54%

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North America Equity Research 15 August 2014

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