

	Annual EPS	Annual Revenue	Rating/Target
Today's Changes	2013E \$(2.03) from \$(1.79) 2014E \$(1.40) from \$(0.71)	2013E \$20.8M from \$21.3M 2014E \$27.3M, no change	No changes

bluebird bio

BLUE: NASDAQ: US\$20.02

BUY

Target: US\$45.00

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COMPANY STATISTICS:

19.00 - 36.25
US\$476
119.3
23.721
US\$67.01

EARNINGS SUMMARY:

FYE Dec		2012A	2013E	2014E
EPS:		(13.79)	(2.03)	(1.40)
Revenue (M):	Q1		1.1A	6.8
	Q2		6.3A	6.8
	Q3		6.4A	6.8
	Q4		6.9	6.8
Total		0.3	20.8	27.3
EPS:	Q1		(19.94)A	(0.27)
	Q2		(2.13)A	(0.31)
	Q3		(0.26)A	(0.36)
	Q4		(0.34)	(0.46)
Total		(13.79)	(2.03)	(1.40)

SHARE PRICE PERFORMANCE:



Source: Interactive Data Corporation

COMPANY DESCRIPTION:

bluebird bio is a clinical-stage biotechnology company focused on gene therapy approaches to severe genetic and orphan disorders. The lead product is Lenti-D for CCALD. The second product is LentiGlobin for beta-thalassemia and sickle cell disease, and bluebird is also developing CAR T-based cancer therapies thorough a partnership with Celgene. bluebird is based in Cambridge, MA.

All amounts in US\$ unless otherwise noted.

Life Sciences -- Biotechnology

Q3 EPS: FIRST CCALD PATIENT TREATED WITH LENTI-D

BLUE reported Q3 GAAP EPS of \$(0.26), below consensus and CGe of \$(0.20) primarily due to higher R&D expense (\$8.7M vs. CGe \$7.7M). We continue to be optimistic on the success of both lead programs, particularly Lenti-D for childhood cerebral adrenoleukodystrophy (CCALD) given positive physician feedback, clinical data demonstrating 3/4 boys treated with an earlier version of Lenti-D demonstrated disease stabilization and we note the initiation of the Phase 1/2 pivotal trial in August (first patient was treated in October). The next potential key data catalysts will be interim data from one or both P1/2 LentiGlobin trials in late-2014, which we expect to be positive – we expect BLUE shares to trade up into the event.

- Clinical trials on track: Following initiation of a P1/2 LentiGlobin trial in patients with beta-thalassemia in the U.S. in mid-2013 (recall, one P1/2 trial in the E.U. for patients with beta-thalassemia and sickle-cell disease has initiated), BLUE anticipates treating the first beta-thalassemia patient by YE14. We model for Lenti-D launches in mid-2018 (U.S.) and early-2019 (E.U.), with peak Lenti-D revenue recognized by BLUE of \$212M in 2028E. For LentiGlobin, we model for launches for beta-thalassemia in mid-2020 (U.S.) and early-2021 (E.U.), with peak revenue recognized by BLUE of \$1.23B in 2026E.
- Q3 financials: BLUE reported \$6.4M in Q3 revenue (\$6.3M of which was recognized revenue from the CELG partnership), above consensus of \$5.6M and below CGe of \$6.9M. BLUE exited Q3 with \$216.8M in cash and equivalents, which we expect to be sufficient to fund operations through YE16.

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The recommendations and opinions expressed in this research report accurately reflect the Investment Analyst's personal, independent and objective views about any and all the Designated Investments and Relevant Issuers discussed herein. For important information, please see the Important Disclosures section in the appendix of this document or visit Canaccord Genuity's Online Disclosure Database.



Figure 1: Q3/13 variance table

(\$thousands, except per share data)		0		0			V/N/	0/0
	Ι.	Sep		Sep	Variance	Variance	Y/Y	Q/Q
Davis	H	3Q13A	•	3Q13E	A-E	%	%	%
Revenue	1					- 1-	- 1-	- 1-
Lenti-D Total Revenue	\$	-	\$	-	-	n/a	n/a	n/a
Lenti-D - U.S.		-		-	-	n/a	n/a	n/a
Lenti-D - E.U.		-		-	-	n/a	n/a	n/a
LentiGlobin Total Revenue	\$	-	\$	-	-	n/a	n/a	n/a
LentiGlobin - U.S.		-		-	-	n/a	n/a	n/a
LentiGlobin - E.U.		-		-	-	n/a	n/a	n/a
Total other revenue	\$	6,385	\$	6,916	(531)	-8%	n/a	1%
Collaboration revenue		6,251		6,250	1	0%	n/a	0%
Research and license fees		134		85	49	37%	n/a	58%
Grant revenue		-		581	(581)	n/a	n/a	n/a
Total Revenue	\$	6,385	\$	6,916	\$ (531)	-8%	7412%	1%
COGS		-		-	-	n/a	n/a	n/a
Gross profit		6,385		6,916	(531)	-8%	7412%	1%
Operating expense								
R&D (GAAP)		8,706		7,701	1,005	12%	149%	20%
SG&A (GAAP)		3,836		3,765	71	2%	139%	17%
Stock-based compensation		809		809	-	0%	n/a	7%
Total operating expense		12,542		11,466	1,076	9%	145%	19%
Operating income (loss)		(6,157)		(4,550)	(1,607)	26%	23%	47%
Other (expense) income, net		(0,137)		(4,550)	37	85%	-359%	-111%
Income Before Income Taxes				(4.542)		26%	21%	33%
		(6,113)		(4,543)	(1,570)			
Income Tax Provision		-		-	-	n/a	n/a	n/a
Net loss applicable to common shareholders	\$	(6,113)	\$	(4,543)	(1,570)	26%	-2041%	33%
GAAP EPS (diluted)	\$	(0.26)	\$	(0.20)	(0.06)	22%	-123%	-88%
Weighted shares outstanding								
basic and diluted - GAAP		23,623		22,576	1,047	4%	8490%	998%

Source: Canaccord Genuity research, Company reports

Figure 2: Upcoming expected milestones

Product	Indication	Timing	Milestone
LentiGlobin	β-thalassemia	4Q13	First patient in Phase 1/2 (HBG-204) trial
LentiGlobin	SCD	2014	IND submission; U.S. Phase 1/2 trial initation
LentiGlobin	β-thalassemia / SCD	4Q14	Interim Phase 1/2 data
Lenti-D	CCALD	2H15	Interim Phase 2/3 data

Source: Canaccord Genuity research, Company reports



15 November 2013

Figure 3: Changes to model

(\$thousands, except per share data)	FY	13E	FY1	4E	FY1	I5E	FY1	6E	FY1	7E	FY.	18E	FY1	9E	FY	20E	FY	21E	FY	22E	FY	23E
	New	<u>Prior</u>	New	Prior	New	<u>Prior</u>	New	Prior	New	Prior	New	Prior	<u>New</u>	Prior	New	<u>Prior</u>	New	Prior	<u>Ne w</u>	Prior	New	Prior
Revenue																						
Lenti-D (CCALD) Total Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,152	\$ 3,152	\$ 30,577	\$ 30,577	\$ 70,093	\$ 70,093	\$ 115,317	\$ 115,317	\$ 143,128	\$ 143,128	\$ 162,538	\$ 162,538
Lenti-D - U.S.	-	-	-	-	-	-	-	-	-	-	3,152	3,152	15,950	15,950	34,514	34,514	53,080	53,080	64,452	64,452	72,634	72,634
Lenti-D - E.U.	-	-	-	-	-	-	-	-	-	-	-	-	14,627	14,627	35,579	35,579	62,237	62,237	78,676	78,676	89,904	89,904
LentiGlobin (β-thalassemia) Total Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,456	\$ 4,456	\$ 147,849	\$ 147,849	\$ 403,487	\$ 403,487	\$ 723,633	\$ 723,633
LentiGlobin - U.S.	-	-	-		-	-	-	-	-	-	-	-	-	-	4,456	4,456	19,409	19,409	41,421	41,421	62,027	62,027
LentiGlobin - E.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	128,440	128,440	362,066	362,066	661,605	661,605
Total other revenue	\$ 20,762	\$ 21,294	\$ 27,325	\$ 27,325	\$ 27,325	\$ 27,325	\$ 7,533	\$ 7,533	\$ 1,163	\$ 1,163	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ 20,762	\$ 21,294	\$ 27,325	\$ 27,325	\$ 27,325	\$ 27,325	\$ 7,533	\$ 7,533	\$ 1,163	\$ 1,163	\$ 3,152	\$ 3,152	\$ 30,577	\$ 30,577	\$ 74,549	\$ 74,549	\$ 263,166	\$ 263,166	\$ 546,615	\$ 546,615	\$ 886,171	\$ 886,171
cogs	-	-	-		-	-	-	-	-	-	788	788	6,727	6,727	14,910	14,910	47,370	47,370	98,391	98,391	159,511	159,511
Gross profit	20,762	21,294	27,325	27,325	27,325	27,325	7,533	7,533	1,163	1,163	2,364	2,364	23,850	23,850	59,639	59,639	215,796	215,796	448,224	448,224	726,660	726,660
Operating expense																						
R&D (GAAP)	31,460	28,482	41,217	29,015	42,511	30,289	45,222	31,503	48,003	33,593	50,223	35,605	52,112	37,504	54,223	39,481	56,132	41,502	58,232	44,689	60,211	47,590
SG&A (GAAP)	14,213	13,779	19,828	14,640	21,812	15,538	24,323	17,011	34,015	25,715	36,522	27,280	45,131	34,731	53,502	42,202	56,002	44,283	58,512	46,908	61,099	49,430
Stock-based compensation	7,621	3,174	9,800	3,623	11,311	4,231	12,812	4,805	14,290	5,580	15,777	6,253	17,219	7,080	18,778	8,101	20,210	9,111	21,716	10,034	23,211	11,003
Total operating expense	45,673	42,261	61,045	43,655	64,323	45,827	69,545	48,514	82,018	59,308	86,745	62,885	97,243	72,235	107,725	81,683	112,134	85,785	116,744	91,597	121,310	97,020
Operating income (loss)	(24,911)	(20,968)	(33,720)	(16,330)	(36,998)	(18,502)	(62,012)	(40,981)	(80,856)	(58,146)	(84,381)	(60,521)	(73,393)	(48,385)	(48,086)	(22,044)	103,662	130,011	331,480	356,627	605,350	629,640
Other (expense) income, net	(398)	(439)	33	6	17	4	24	7	38	10	25	8	10	6	(0)	5	31	12	171	38	484	91
Net gain (loss)	(25,308)	(21,407)	(33,687)	(16,324)	(36,981)	(18,498)	(61,988)	(40,974)	(80,818)	(58,136)	(84.356)	(60,513)	(73,383)	(48,379)	(48,086)	(22.038)	103.693	130,023	331,651	356,665	605,834	629,731
Income Tax Provision	-	- 1	-	- '	-	-	-	-	- '	-	-	- '	-	-	-	-	-	-	39,798	42,800	193,867	201,514
Net loss applicable to common shareholders	\$ (25,308)	\$ (21,407)	\$ (33,687)	\$ (16,324)	\$ (36,981)	\$ (18,498)	\$ (61,988)	\$ (40,974)	\$ (80,818)	\$ (58,136)	\$ (84,356)	\$ (60,513)	\$ (73,383)	\$ (48,379)	\$ (48,086)	\$ (22,038)	\$ 103,693	\$ 130,023	\$ 291,853	\$ 313,865	\$ 411,967	\$ 428,217
GAAP EPS (diluted)	\$ (2.03)	\$ (1.79)	\$ (1.40)	\$ (0.71)	\$ (1.52)	\$ (0.80)	\$ (2.29)	\$ (1.58)	\$ (2.71)	\$ (2.03)	\$ (2.80)	\$ (2.09)	\$ (2.41)	\$ (1.66)	\$ (1.57)	\$ (0.75)	\$ 3.23	\$ 4.21	\$ 8.82	\$ 9.84	\$ 11.82	\$ 12.73
Weighted shares outstanding																						
basic and diluted	12,461	11,936	24,039	22,915	24,280	23,145	27,023	25,876	29,793	28,635	30,091	28,921	30,392	29,210	30,696	29,502	32,072	30,867	33,106	31,889	34,864	33,635

Source: Canaccord Genuity research, Company reports



15 November 2013

Figure 4: BLUE Income statement

(\$thousands, except per share data)

	FY	FY	Mar	Jun	Sep	Dec	FY	Mar	Jun	Sep	Dec	FY	FY	FY							
Revenue	2011A	2012A	1Q13A	2Q13A	3Q13A	4Q13E	2013E	1Q14E	2Q14E	3Q14E	4Q14E	2014E	2015E	2016E	2017E	2018E	2019E	2020E	2021E	2022E	2023E
Lenti-D (CCALD) Total Revenue	e .	٠.		_			e .	_		_		e -	e .	s -	e .	\$ 3,152	\$ 30.577	\$ 70.093	\$ 115,317	\$ 143,128	\$ 162,538
Lenti-D - U.S.		•	1		- 1	_		_		- 1	_	•			•	3,152	15.950	34.514	53.080	64,452	72.634
Lenti-D - U.S. Lenti-D - E.U.	-	-	'	- 1	- 1		-	-	-	- 1	-	-	-	-		3,152	14,627	35,579	62,237	78,676	89,904
Lenti-D - E.O. LentiGlobin (β-thalassemia) Total Revenue	s -			- 1	- 1			-	-			s -		s -		s -	14,027	\$ 4.456	\$ 147,849	\$ 403,487	\$ 723,633
LentiGlobin - U.S.	3 -	> -		- 1	- 1		\$ -	-	-			\$ -	3 -	-	\$ -	\$ -	3 -		19,409	41,421	62,027
LentiGlobin - U.S. LentiGlobin - E.U.	-	-	'	- 1	- 1		-	-	-	- 1		-	-	-		-	-	4,456			
	\$ 882		4 407		6 205		£ 00.700		6.004	6 004		£ 07.00E	e 07.00F	\$ 7.533	s 1163		s -		128,440	362,066	661,605
Total other revenue		\$ 340	1,127	6,334	6,385	6,916	\$ 20,762	6,831	6,831	6,831	6,831	\$ 27,325	\$ 27,325	.,	• 1,100	\$ -	*	\$ -	\$ -	\$ -	\$ -
Total Revenue	\$ 882	\$ 340	\$ 1,127	\$ 6,334	\$ 6,385	\$ 6,916	\$ 20,762	\$ 6,831	\$ 6,831	\$ 6,831	\$ 6,831	\$ 27,325	\$ 27,325	\$ 7,533	\$ 1,163	\$ 3,152	\$ 30,577	\$ 74,549	\$ 263,166	\$ 546,615	\$ 886,171
COGS	-	-	- 1	- 1	- 1	-	-	-	-	- }	-	-	-	-	-	788	6,727	14,910	47,370	98,391	159,511
Gross profit	882	340	1,127	6,334	6,385	6,916	20,762	6,831	6,831	6,831	6,831	27,325	27,325	7,533	1,163	2,364	23,850	59,639	215,796	448,224	726,660
Operating expense																					
R&D (GAAP)	11,409	17,210	5,284	7,247	8,706	10,223	31,460	9,246	9,776	10,313	11,882	41,217	42,511	45,222	48,003	50,223	52,112	54,223	56,132	58,232	60,211
SG&A (GAAP)	4,615	6,846	2,324	3,281	3,836	4,772	14,213	4,111	4,612	5,102	6,003	19,828	21,812	24,323	34,015	36,522	45,131	53,502	56,002	58,512	61,099
Stock-based compensation	800	800	661	1,657	2,515	2,788	7,621	2,012	2,253	2,513	3,022	9,800	11,311	12,812	14,290	15,777	17,219	18,778	20,210	21,716	23,211
Total operating expense	16,024	24,056	7,608	10,528	12,542	14,995	45,673	13,357	14,388	15,415	17,885	61,045	64,323	69,545	82,018	86,745	97,243	107,725	112,134	116,744	121,310
Operating income (loss)	(15,142)	(23,716)	(6,481)	(4,194)	(6,157)	(8,079)	(24,911)	(6,526)	(7,557)	(8,584)	(11,054)	(33,720)	(36,998)	(62,012)	(80,856)	(84,381)	(73,393)	(48,086)	103,662	331,480	605,350
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Other (expense) income, net	(456)	46	(63)	(389)	44	10	(398)	10	9	8	7	33	17	24	38	25	10	(0)	31	171	484
Net gain (loss)	(15,598)	(23,670)	(6,544)	(4,583)	(6,113)	(8,068)	(25,308)	(6,516)	(7,548)	(8,576)	(11,047)	(33,687)	(36,981)	(61,988)	(80,818)	(84,356)	(73,383)	(48,086)	103,693	331,651	605,834
Income Tax Provision		-	-	-	- [-		-	-	-	-	-	-	-		-	-	-	-	39,798	193,867
Net loss applicable to common shareholders	\$ (20,591)	\$ (3,613)	\$ (6,544)	\$ (4,583)	\$ (6,113)	\$ (8,068)	\$ (25,308)	\$ (6,516)	\$ (7,548)	\$ (8,576)	\$ (11,047)	\$ (33,687)	\$ (36,981)	\$ (61,988)	\$ (80,818)	\$ (84,356)	\$ (73,383)	\$ (48,086)	\$ 103,693	\$ 291,853	\$ 411,967
GAAP EPS (diluted)	\$ (171.59)	\$ (13.79)	\$ (19.94)	\$ (2.13)	\$ (0.26)	\$ (0.34)	\$ (2.03)	\$ (0.27)	\$ (0.31)	\$ (0.36)	\$ (0.46)	\$ (1.40)	\$ (1.52)	\$ (2.29)	\$ (2.71)	\$ (2.80)	\$ (2.41)	\$ (1.57)	\$ 3.23	\$ 8.82	\$ 11.82
Weighted shares outstanding					i																
basic and diluted	120	262	328	2,151	23,623	23,741	12,461	23,860	23,979	24,099	24,220	24,039	24,280	27,023	29,793	30,091	30,392	30,696	32,072	33,106	34,864
Margin Analysis:					i																
Cost of product sales	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	25%	22%	20%	18%	18%	18%
Product gross margin	nm	nm		nm	nmi	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	75%	78%	80%	82%	82%	82%
R&D (GAAP)	nm	469%	469%	114%	136%	148%	152%	135%	143%	151%	174%	151%	156%	600%	4129%	1594%	170%	73%	21%	11%	7%
SG&A (GAAP)	nm	206%	206%	52%	60%	69%	68%	60%	68%	75%	88%	73%	80%	323%	2926%	1159%	148%	72%	21%	11%	7%
Stock-based compensation expense	nm	18%	59%	26%	39%	40%	37%	29%	33%	37%	44%	36%	41%	170%	1229%	501%	56%	25%	8%	4%	3%
			1	166%	196%	217%	220%		211%	226%	262%	223%	235%	923%	7055%	2752%	318%	145%	43%	21%	14%
Total operating expense Operating margin	nm nm	nm nm		100% nm	196%	217% nm	220% nm	nm nm	211% nm	220% nm	202% nm	223% nm	235% nm	923% nm	7055% nm	2/52% nm	318% nm	145% nm	43% 39%	61%	68%
Income tax provision	nm	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	39% 0%	12%	32%
							-122%								- 10						32% 46%
Net margin (GAAP)	nm	nm	nm	-72%	-96%	-117%	-122%	nm	-110%	-126%	-162%	-123%	-135%	-823%	-6952%	-2677%	-240%	-65%	39%	53%	40%
Y/Y change:					į					-											
Total revenue	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	32%	0%	-72%	-85%	171%	870%	144%	253%	108%	62%
Lenti-D revenue	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	870%	129%	65%	24%	14%
LentiGlobin revenue	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	nm	3218%	173%	79%
R&D (GAAP)	nm	51%	37%	116%	149%	nm	83%	75%	35%	18%	16%	31%	3%	6%	6%	5%	4%	4%	4%	4%	3%
SG&A (GAAP)	nm	48%	71%	147%	139%	nm		77%	41%	33%	26%	40%	10%	12%	40%	7%	24%	19%	5%	4%	4%
Stock-based compensation expense	nm	0%	184%	990%	1259%	nm	853%	204%	36%	0%	8%	29%	15%	13%	12%	10%	9%	9%	8%	7%	7%
Total operating expense	nm	50%	46%	125%	145%	nm		76%	37%	23%	19%	34%	5%	8%	18%	6%	12%	11%	4%	4%	4%
Operating income	nm	57%	26%	-9%	23%	nm	5%	1%	80%	39%	37%	35%	10%	68%	30%	4%	-13%	-34%	-316%	220%	83%
Net income (GAAP)	nm	-82%	3%	-22%	-2041%	nm	600%	0%	65%	40%	37%	33%	10%	68%	30%	4%	-13%	-34%	-316%	181%	41%
					_0-1.70;																
GAAP FPS (diluted)	nm	-92%	-30%	-91%	-123%	nm	-85%	-99%	-85%	38%	34%	-31%	9%	51%	18%	3%	-14%	-35%	-306%	173%	34%
GAAP EPS (diluted) Shares outstanding - GAAP	nm nm	-92% 118%	-30% 47%	-91% 754%	-123% 8490%	nm nm		-99% 7169%	-85% 1015%	38% 2%	34% 2%	-31% 93%	9% 1%	51% 11%	18% 10%	3% 1%	-14% 1%	-35% 1%	-306% 4%	173% 3%	34% 5%

Source: Canaccord Genuity research, Company reports



Valuation

We arrive at our 12-month price target of \$45 via averaging two valuation methods: 1) a sum-of-the-parts discounted cash flow analysis equating to \$44 a share which ascribes \$14/share from Lenti-D, \$22/share for LentiGlobin and \$7/share in cash, with the following assumptions: we assign Lenti-D a 75% chance of success and LentiGlobin a 30% chance of success and we assign a WACC of 10% and a 1% terminal growth rate; and 2) a discounted EPS equating to \$46/share, applying a 35x multiple to our FY22 fully diluted GAAP EPS estimate of \$8.82, discounted back to YE14 at 27%.

Investment risks

The primary risks for bluebird include the following:

- 1. Lenti-D clinical development risk: efficacy will the Phase 2/3 trial demonstrate efficacy that compares favorably against the natural history trial (we note that the primary endpoint of no major functional disabilities is stringent and the new vector used in this trial has not been evaluated in the clinic; and safety -- will a safety signal emerge (particularly leukemia or pre-leukemic clonal expansion)?
- 2. LentiGlobin clinical development risk: efficacy -- will the two Phase 1/2 trials demonstrate efficacy in beta-thalassemia patients (particularly sufficient hemoglobin for patients to become transfusion independent) and safety?
- 3. Commercial risk, including the possibility that Lenti-D and LentiGlobin do not achieve the peak commercial revenue estimates in our model (due to patient identification, market size, penetration rates, and/or pricing/reimbursement -- particularly given the anticipated price of \$1.5M+).
- 4. Regulatory risk: including failure to secure U.S. and E.U. approval for both Lenti-D and LentiGlobin.
- 5. Product competition, for Lenti-D, advances in hematopoietic stem cell transplant using non-related donors or other techniques to prevent demyelination or development of competing gene therapy techniques; for LentiGlobin, other gene therapy approaches or advances in the ability to upregulate the fetal gamma globin gene.
- 6. Financing risk -- we model for one equity offering (\$200M; 5M shares @ \$40/share) in mid-2016.



APPENDIX: IMPORTANT DISCLOSURES

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Site Visit:

An analyst has not visited the issuer's material operations.

Price Chart:*



Distribution of Ratings: Global Stock Ratings (as of 30 September 2013)

Coverage Universe									
			IB Clients						
Rating	#	%	%						
Buy	562	57.9%	37.7%						
Speculative Buy	47	4.8%	57.4%						
Hold	313	32.2%	11.2%						
Sell	47	4.8%	6.4%						
	971*	100.0%							

^{*}Total includes stocks that are Under Review

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Canaccord Genuity Research Disclosures as of 15 November 2013

Company	Disclosure
bluebird bio	1A, 2, 3, 5, 7

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