

# Zacks Small-Cap Research

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Brad Sorensen  
312-265-9574  
bsorensen@zacks.com

scr.zacks.com

101 N. Wacker Drive, Chicago, IL 60606

## Bone Biologics

(BBLG-NASDAQ)

### BBLG: At a Crucial Inflection Point

BBLG continues to pursue a way to make bone regeneration more efficient and with better outcomes for patients. We value BBLG at \$22.20 per share using the discounted cash flow method.

### Outlook

Bone Biologics is pursuing a better and more effective way of dealing with back pain requiring surgery by developing bone regeneration in spinal fusion using the recombinant human protein known as NELL-1/DBX, or NB1.

The company continues with human trials that will prove critical to the success of the company, and we believe will result in a rerating of BBLG.

Current Price (02/24/26) \$1.60  
Valuation \$22.20

### SUMMARY DATA

52-Week High \$6.00  
52-Week Low \$1.12  
One-Year Return (%) -79.57  
Beta 0.75  
Average Daily Volume (sh) 18,989

Shares Outstanding (mil) 2  
Market Capitalization (\$mil) \$2  
Short Interest Ratio (days) N/A  
Institutional Ownership (%) 34  
Insider Ownership (%) 6

Annual Cash Dividend \$0.00  
Dividend Yield (%) 0.00

5-Yr. Historical Growth Rates  
Sales (%) N/A  
Earnings Per Share (%) N/A  
Dividend (%) N/A

### Risk Level

Type of Stock  
Industry

High  
Small-Value  
Med-Biomed/Gene

### ZACKS ESTIMATES

#### Revenue

(in millions of \$)

	Q1 (Mar)	Q2 (Jun)	Q3 (Sep)	Q4 (Dec)	Year (Dec)
2022	0 A	0 A	0 A	0 A	0 A
2023	0 A	0 A	0 A	0 A	0 A
2024	0 A	0 A	0 A	0 A	0 A
2025	0 A	0 A	0 A	0 E	0 E

#### Earnings per share

	Q1 (Mar)	Q2 (Jun)	Q3 (Sep)	Q4 (Dec)	Year (Dec)
2022	-0.07 A	-0.05 A	-0.12 A	-0.02 A	-0.13 A*
2023	-0.23 A	-1.69 A	-0.61 A	-5.89 A	-34.01 A
2024	-1.31 A	-0.67 A	-2.37 A	-1.00 A	-4.83 A
2025	-0.32 A	-1.33 A	-0.37 E	-0.34 E	-2.36 E

\* Quarterly numbers don't add to annual due to share issuance and reverse split.

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## COMPANY UPDATE

Bone Biologics is a clinical-stage biotechnology company focused on transforming the multibillion-dollar spine fusion and bone regeneration market through its proprietary orthobiologic technology. At the heart of its platform is a novel recombinant human protein known as **NELL-1**, which the company has exclusively licensed for worldwide therapeutic applications from the UCLA Technology Development Group. NELL-1 is not just another bone growth factor; it has been extensively studied and positively reviewed in more than 45 peer-reviewed scientific publications, demonstrating strong biological activity in promoting bone formation across multiple animal models, including rodents, sheep, and nonhuman primates. These preclinical results suggest that NELL-1 has the potential to increase both the rate and quantity of bone fusion compared with control treatments, a meaningful advantage in orthopedic and spinal surgery settings where robust and reliable bone healing can be elusive.

The lead product candidate built around this technology, known as NB1, combines the NELL-1 protein with demineralized bone matrix to create a biologically active bone graft substitute designed to address unmet needs in spinal fusion procedures. Successful fusion is critical for patients with degenerative disc disease and other spinal disorders, and the market demand for improved graft materials continues to grow as surgeons and healthcare systems seek solutions that can improve outcomes and reduce the need for revision surgeries. The company's choice to pursue human clinical evaluation — with pilot studies underway in Australia comparing NB1 to autograft controls — marks a pivotal inflection point as it seeks to move beyond decades of preclinical validation into data that could unlock regulatory progression and broader commercial interest.

Late last year, the company announced an important milestone—the first two human patients have been treated in the company's NB1 bone graft device. This marks the start of the pilot clinical study that will evaluate NB1 in 30 adult subjects who undergo transforaminal lumbar interbody fusion (TLIF) to treat degenerative disc disease (DDD) and will evaluate safety and effectiveness, fusion success, pain, function improvement and adverse events. According to the company, in order to be enrolled in the study, patients must have DDD at one level from L2-S1 and may also have up to Grade 1 spondylolisthesis or Grade 1 retrolisthesis at the involved level. These two initial patients were treated in Australia. As we've noted before, the study design was previously reviewed and agreed upon by the U.S. Food and Drug Administration's Division of Orthopedic Devices in a Pre-submission to support progression to a pivotal clinical trial in the United States.

NELL-1's established scientific foundation, combined with the company's exclusive rights and strengthening intellectual property — such as recent patent filings covering proprietary polypeptide compositions — positions BBLG to capture value if early human data align with preclinical promise. Such outcomes could trigger a significant re-rating from today's valuation, which remains modest relative to the size of the potential addressable market. Additionally, operational strides like extending the validated shelf life of the NELL-1 product to 24 months enhance manufacturing readiness and commercial viability, making the company's platform more attractive to partners, acquirers, or strategic investors.

### Summary

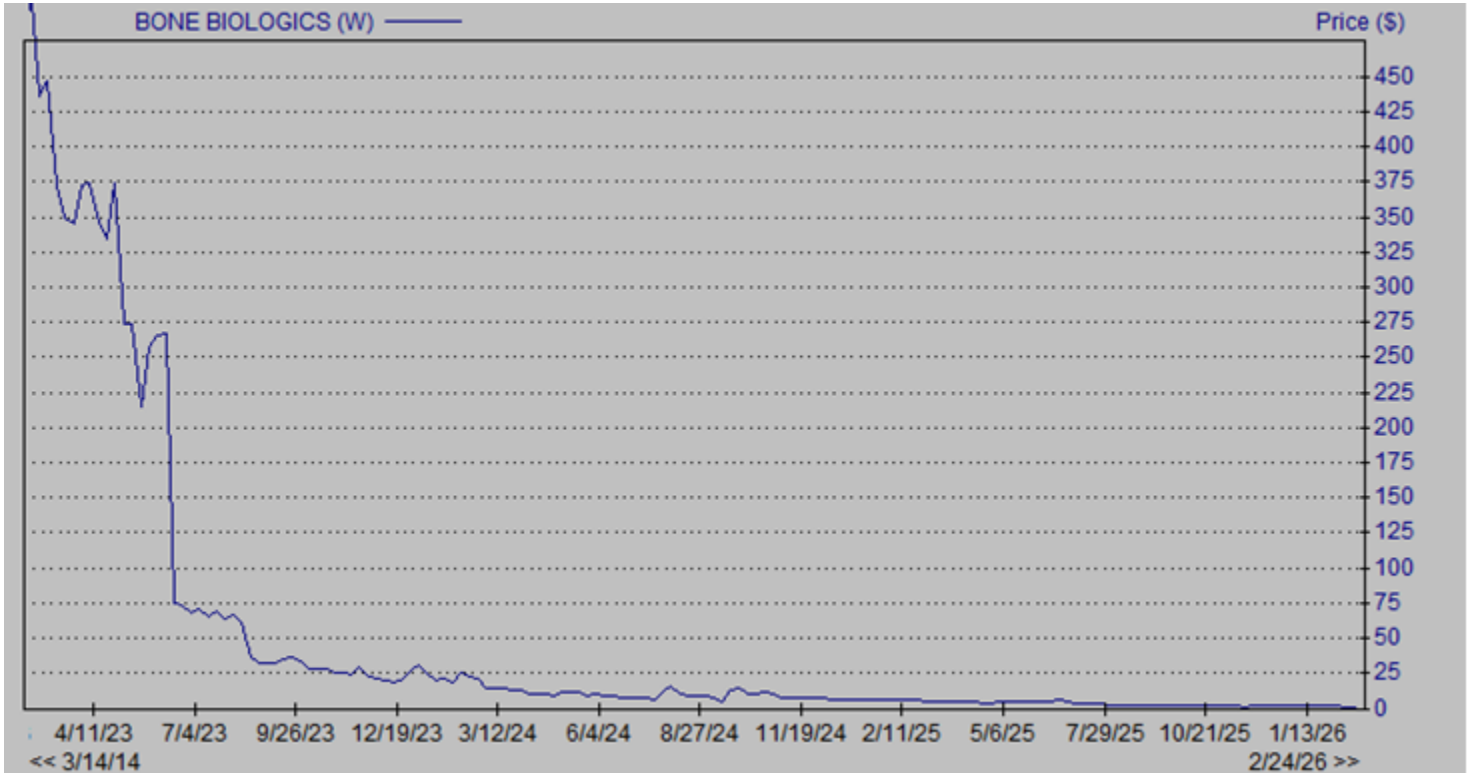
It's important to acknowledge that BBLG remains a small micro-cap biotechnology with typical development-stage risks, including ongoing cash burn and the need for financing to support pivotal clinical activities. However, for investors with a long time horizon and appetite for high-risk, high-reward biotech investing, Bone Biologics represents exposure to a technology with genuine scientific differentiation in a market where better bone healing solutions are consistently demanded. The combination of exclusive technology rights, positive scientific validation, early clinical momentum,

and strategic IP development creates a compelling case for why BBLG might be an attractive investment poised for meaningful upside should the NB1 program advance successfully through clinical and regulatory milestones.

## INCOME STATEMENT AND BALANCE SHEET

Bone Biologics Income Statement and Balance Sheet										
	1Q2024A	2Q2024A	3Q2024A	4Q2024A	1Q2025A	2Q2025A	3Q2025A	4Q2025E	2026E	
Revenues	0	0	0	0	0	0	0	0	0	0
Cost of Good Sold	0	0	0	0	0	0	0	0	0	0
Gross Profit	0	0	0	0	0	0	0	0	0	0
Operating Expenses										
Research and Dev.	245,625	350,442	429,747	1,104,571	423,576	191,608	187,808	191,564	766,432	
Gen. and Admin.	657,911	459,223	521,274	450,368	614,910	556,467	527,466	538,015	2,225,868	
Total Operating Expenses	903,536	809,665	951,021	1,554,939	1,038,486	748,075	715,274	729,579	2,992,300	
Loss From Operations	(903,536)	(809,665)	(951,021)	(1,554,939)	(1,038,486)	(748,075)	(715,274)	(729,579)	(2,992,300)	
Interest income (expense)	255	15,147	19,993	15,686	20,039	6,654	47,325	48,272	26,616	
Other income/(expenses)	37,311	10,785	(9,974)	17,538	1,355	902	1,212	1,236	3,608	
Loss before provision for income taxes	(865,970)	(783,733)	(941,002)	(1,521,715)	(1,017,092)	(740,519)	(666,737)	(680,072)	(2,962,076)	
Provision for Income taxes	0	0	0	0	0	0	0	0	0	
Net loss	(865,970)	(783,733)	(941,002)	(1,521,715)	(1,017,092)	(740,519)	(666,737)	(680,072)	(2,962,076)	
Deemed dividend on warrant inducements	0	0	(3,212,504)	0	1	0	0	0	0	
Net loss per share	(\$1.31)	(\$0.67)	(\$2.37)	(\$1.00)	(\$0.32)	(\$1.33)	(\$0.37)	(\$0.34)	(\$1.36)	
Wtd Avg Shares Outstanding	660,928	1,168,423	1,753,409	1,517,235	3,183,191	557,787	1,795,097	1,974,607	2,172,067	
Assets										
Current Assets										
Cash	3,227,634	2,332,068	3,566,426	3,325,131	2,746,555	6,640,468	6,049,084	5,746,630	5,459,298	
Advances on R&D contract services	328,844	650,275	385,742	258,059	263,220	208,972	220,286	224,692	229,186	
Prepaid Expenses	283,096	211,121	113,650	278,179	280,961	152,776	81,429	82,243	83,066	
Total Assets	3,839,574	3,193,464	4,065,818	3,861,369	3,290,736	7,002,216	6,350,799	6,053,565	5,771,550	
Liabilities and Stockholders Equity										
Current Liabilities										
Accounts Payable	146,186	231,872	190,057	373,042	247,843	403,729	333,081	336,412	339,776	
Notes Payable	0	0	0	0	0	0	0	0	0	
Other liabilities	18,440	52,635	83,345	4,670	3,315	2,413	1,201	1,213	1,225	
Total Liabilities	164,626	284,507	273,402	377,712	251,158	406,142	334,282	337,625	341,001	
Stockholders Equity										
Common Stock	1,016	1,315	2,096	2,953	3,270	1,685	1,795	1,705	1,620	
Additional Paid-in Capital	85,448,860	85,466,303	87,289,983	88,502,082	90,272,124	93,373,378	93,460,448	95,329,657	97,236,250	
Accumulated Deficit	(81,774,928)	(82,558,661)	(83,499,663)	(85,021,378)	(87,235,817)	(86,778,990)	(87,445,726)	(89,615,423)	(91,807,323)	
Total Stockholders Equity	3,674,948	2,908,957	3,792,416	3,483,657	3,039,577	6,596,073	6,016,517	5,715,939	5,430,547	
Total Liabilities and Stockholders Equity	3,839,574	3,193,464	4,065,818	3,861,369	3,290,736	7,002,216	6,350,799	6,053,565	5,771,550	

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