## SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### FORM 8-K

#### **CURRENT REPORT**

Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) August 16, 2004

# MACROPORE BIOSURGERY, INC.

(Exact name of registrant as specified in Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

000-32501

(Commission File Number)

33-0827593

(IRS Employer Identification No.)

6740 Top Gun Street, San Diego, California

(Address of Principal Executive Offices)

**92121** (Zip Code)

Registrant's telephone number, including area code: (858) 458-0900

#### Item 7. Financial Statements and Exhibits

#### (c) Exhibits

Exhibit 99.1 Press release issued by MacroPore Biosurgery, Inc. on August 16, 2004, reported financial results for the quarter ended June 30, 2004.

#### Item 12. Results of Operation and Financial Condition

Press release issued by MacroPore Biosurgery, Inc. on August 16, 2004, reporting financial results for the quarter ended June 30, 2004. A copy of the press release is attached hereto as Exhibit 99.1.

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#### **SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

MACROPORE BIOSURGERY, INC.

Dated: August 16, 2004

99.1

By: /s/ Christopher J. Calhoun

Christopher J. Calhoun President and Chief Executive Officer

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#### EXHIBIT INDEX

Exhibit Number Description of Document

Press release issued by MacroPore Biosurgery, Inc. on August 16, 2004, reporting financial results for the quarter ended June 30, 2004.



#### Contact:

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#### **MacroPore Biosurgery Announces Second Quarter 2004 Financial Results**

San Diego, CA, August 16, 2004 - MacroPore Biosurgery, Inc. (Frankfurt: XMP) today announced financial results for the quarter ended June 30, 2004.

Total revenues for the three months ended June 30, 2004 were \$1.5 million compared to \$2.9 million for the same period in 2003. In the second quarter of 2004, spine and orthopedic implants accounted for \$0.9 million in revenue, compared to \$2.0 million for the same period in 2003. Total revenues for the six months ended June 30, 2004 were \$3.9 million compared to \$4.8 million for the same period in 2003. In the first half of 2004, spine and orthopedic implants accounted for \$2.5 million in revenue, compared to \$3.0 million for the same period in 2003. Net loss for the three months ended June 30, 2004 was \$3.8 million compared to a net loss of \$2.1 million for the same period in 2003. Net loss for the six months ended June 30, 2004 was \$2.3 million, after a \$5.0 million gain related to the completion of the clinical research regarding Faster Resorbing Polymers, compared to \$5.3 million for the same period in 2003.

MacroPore Biosurgery ended the second quarter of 2004 with \$18.0 million in cash and cash equivalents and short term investments, which includes the \$7.0 million initial thin film product line sale payment received in May 2004 from MAST Biosurgery. Since the end of the quarter, MacroPore Biosurgery received \$1.5 million from Senko Medical Trading Co. (Senko) as a fee for distribution rights for thin films products in Japan. Additionally, MacroPore Biosurgery was awarded a grant for the second phase of its National Institutes of Health (NIH) Small Business Innovation Research study, which was announced to be worth up to \$750,000. Phase II of the reimbursement was subsequently increased by the NIH to \$850,000, subject to availability of funds and satisfactory progress. The funding from the NIH will be received during 2004 and 2005. In the second half of 2004, MacroPore Biosurgery expects to receive a \$1.25 million milestone from Senko for submitting a thin film regulatory application in Japan and a \$1.0 to \$2.0 million milestone payment from Medtronic Inc. related to the transfer of know-how in connection with the 2002 sale of the craniomaxillofacial product line.

"As previously disclosed, the time frame to achieve broad market adoption for our new class of spine and orthopedic products has been difficult to predict," said Christopher J. Calhoun, Chief Executive Officer of MacroPore Biosurgery. "However, our commitment to this product line is demonstrated by the recent regulatory milestones, which include a CE Mark for the first minimally invasive resorbable lumbar interbody fusion device in Europe, a CE Mark for the first resorbable cervical interbody device in Europe, and an FDA Clearance for the first resorbable spinal plate and screw system with radiographic visualization properties. These clearances provide additional rationale for physician adoption of the HYDROSORB<sup>TM</sup> family of products. Simultaneously, we have continued to make progress within our regenerative cell technology program. Since the close of the quarter, we received notice of award of the second phase of our NIH grant to study the potential role of adipose-derived regenerative cells in treating heart attack and expect to release the results of two pre-clinical trials later this year."

#### **Conference call information**

The management of MacroPore Biosurgery will host a conference call today at 4:30 pm Central Eastern Summer Time (CEST) or 10:30 am Eastern Daylight Time (EDT) to discuss the quarterly results. This conference call may be accessed from the investor relations section of the Company's website, www.macropore.com. An archived version of the webcast will be available on the same website 60 minutes after the call. The audio replay will be archived for 24 hours following the call and may be accessed by dialing +49 69 58 99 90 568 (PIN: 132681#) or (303) 590-3000 (PIN: 11005031#).

#### About MacroPore Biosurgery, Inc.

MacroPore Biosurgery (Frankfurt: XMP) is focused on the discovery, development and commercialization of regenerative medicine technologies. We have two technology platforms, bioresorbable technology and regenerative cell technology. Our surgical implants, derived from our bioresorbable technology, represent one of the latest advancements in spine and orthopedic medicine. They are manufactured by us and distributed exclusively through Medtronic Sofamor Danek. Within our regenerative cell technology program, we are developing a system to isolate autologous, homologous-use, regenerative cells. Simultaneously, we are generating scientific knowledge through internal research to support the clinical use of these cells. Our most advanced research and development program is in the repair of cardiovascular tissues that are damaged after a heart attack. We are also researching applications in bone repair, spinal disc regeneration, and cosmetic and reconstructive surgery. For further information please visit our web site http://www.macropore.com.

#### **Cautionary Statement Regarding Forward-Looking Statements**

This press release may include forward-looking statements regarding events and trends which may affect MacroPore Biosurgery's future operating results and financial position. Such statements are subject to risks and uncertainties that could cause MacroPore Biosurgery's actual results and financial position to differ materially. Some of these risks and uncertainties are described (under the heading "Risk Factors") in our 2003 Form 10-K annual report for the year ended December 31, 2003, which is available on our web site. MacroPore Biosurgery assumes no responsibility to update any revision of forward-looking statements to reflect events, trends or circumstances after the date they are made.



# MACROPORE BIOSURGERY, INC. CONSOLIDATED CONDENSED BALANCE SHEETS

		As of June 30, 2004	As of December 31, 2003		
		(Unaudited)			
Assets					
Current assets:					
Cash and cash equivalents	\$	2,093,000	\$	2,820,000	
Short-term investments, available-for-sale	•	15,940,000	•	11,448,000	
Accounts receivable, net of allowance for doubtful accounts of \$32,000 and \$62,000 in 2004 and 2003,		-,,		, -,	
respectively		1,457,000		1,291,000	
Inventories		463,000		831,000	
Other current assets		605,000		526,000	
Other current assets		005,000		520,000	
Total current assets		20,558,000		16,916,000	
Property and equipment, net		3,554,000		3,822,000	
Other assets		209,000		332,000	
Intangibles, net		2,257,000		2,392,000	
Goodwill		4,387,000		4,627,000	
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Total assets	\$	30,965,000	\$	28,089,000	
Liabilities and Stockholders' Equity					
Current liabilities:					
Accounts payable and accrued expenses	\$	2,427,000	\$	3,767,000	
Current portion of long-term obligations		886,000		717,000	
		2 2 4 2 2 2 2			
Total current liabilities		3,313,000		4,484,000	
Deferred gain on sale of assets, related party		7,383,000		7,539,000	
Deferred gain on sale of assets		6,266,000		_	
Deferred income.		58,000		_	
Long-term obligations, less current portion		1,328,000		1,157,000	
Total liabilities		18,348,000		13,180,000	
Stockholders' equity:					
Preferred stock, \$0.001 par value; 5,000,000 shares authorized; -0- shares issued and outstanding in 2004 and 2003		_		_	
Common stock, \$0.001 par value; 95,000,000 shares authorized; 16,800,018 and 16,777,644 shares		17.000		48.000	
issued and 13,930,834 and 14,195,062 shares outstanding in 2004 and 2003, respectively		17,000		17,000	
Additional paid-in capital		74,734,000		74,698,000	
Unearned compensation		<del>-</del>		(109,000)	
Accumulated deficit		(51,705,000)		(49,385,000)	
Treasury stock, at cost		(10,405,000)		(9,362,000)	
Treasury stock receivable		_		(976,000)	
Accumulated other comprehensive income (loss)	_	(24,000)		26,000	
Total stockholders' equity		12,617,000		14,909,000	
Total liabilities and stockholdows' aguity	¢	30 965 000	¢	28,089,000	
Total liabilities and stockholders' equity	\$	30,965,000	\$	20,009,000	



# CONSOLIDATED CONDENSED STATEMENTS OF OPERATIONS AND COMPREHENSIVE INCOME (LOSS) (UNAUDITED)

	 For the Three Months Ended June 30,			For the Six Months Ended June 30,			
	2004 2003		2004		2003		
Revenues:							
Sales to related party	\$ 894,000	\$	2,585,000	\$	2,815,000	\$	4,191,000
Sales to third parties	636,000		318,000		977,000		641,000
Research grant	 10,000				100,000		

	1,540,000	2,903,000	3,892,000	4,832,000
Cost of revenues:				
Cost of revenues (including stock based compensation expense of \$1,000 and \$3,000 for the three months ended June 30, 2004 and 2003; \$3,000 and \$6,000 for the six months ended				
June 30, 2004 and 2003, respectively)	314,000	787,000	1,191,000	1,426,000
Inventory provision		· —	242,000	· · · —
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Gross profit	1,226,000	2,116,000	2,459,000	3,406,000
Operating expenses:				
Research and development, excluding stock based compensation expense of \$32,000 and \$20,000 for the three months ended June 30, 2004 and 2003, respectively; \$32,000 and \$39,000 for				
the six months ended June 30, 2004 and 2003, respectively	2,668,000	2,107,000	5,175,000	4,258,000
Sales and marketing, excluding stock based compensation expense of \$11,000 and \$18,000 for the three months ended June 30, 2004 and 2003, respectively; \$22,000 and \$36,000 for				
the six months ended June 30, 2004 and 2003, respectively	654,000	1,004,000	1,612,000	2,299,000
General and administrative, excluding stock based compensation expense of \$36,000 and \$174,000 for the three months ended June 30, 2004 and 2003, respectively; \$71,000 and \$350,000				
for the six months ended June 30, 2004 and 2003, respectively	1,575,000	951,000	2,801,000	1,999,000
Stock based compensation (excluding cost of revenues stock				
based compensation)	79,000	212,000	125,000	425,000
Restructuring charge	70,000		70,000	
Total operating expenses	5,046,000	4,274,000	9,783,000	8,981,000
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Other income (expense): Gain on the sale of assets, related party			5,000,000	
Interest income	57,000	105,000	112,000	247,000
Interest and other (expenses), net	(47,000)	(6,000)	(108,000)	(11,000)
interest and other (expenses), net	(47,000)	(0,000)	(100,000)	(11,000)
Net loss	(3,810,000)	(2,059,000)	(2,320,000)	(5,339,000)
Other comprehensive loss: unrealized holding loss	(41,000)	(11,000)	(50,000)	(52,000)
Comprehensive loss	\$ (3,851,000)	\$ (2,070,000)	\$ (2,370,000)	\$ (5,391,000)
Basic and diluted net loss per share	\$ (0.27)	\$ (0.14)	\$ (0.17)	\$ (0.37)
Shares used in calculating basic and diluted net loss per share	13,920,186	14,540,734	13,933,111	14,532,716