FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APP	ROVAL
OMB Number:	3235-028
Estimated average b	ourden

0.5

hours per response:

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* COOK GUY S						2. Issuer Name and Ticker or Trading Symbol Bacterin International Holdings, Inc. [BONE]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
					1										X	Direc	tor	X	10% C	wner	
(Last) (First) (Middle)														_	X	Office	er (give title v)	Other (specify below)			
600 CRUISER LANE						3. Date of Earliest Transaction (Month/Day/Year) 07/11/2011									CEO						
(Street) BELGRADE MT 59714				4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person							
,		1 0													X		m filed by One Reporting Person m filed by More than One Reporting				
(City) (State) (Zip)																Person					
		Tabl	e I - Nor	n-Deriva	ative	Sec	curitie	s Acc	quired,	Dis	posed o	f, or	Bene	eficia	lly C	Owne	ed				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Date)					Execution Date,			3. Transaction Code (Instr. 8) 4. Securities Acquired Disposed Of (D) (Instr. 5)				ıd	Securi Benefi Owned	ecurities eneficially		nership Direct Indirect etr. 4)	7. Nature of Indirect Beneficial Ownership				
									Code	v	Amount (A		(A) or (D)	Price		Transa	action(s) 3 and 4)			(Instr. 4)	
Common	Stock	ock 07/11/2011 S 150,000 D \$2					\$2.	63	12,802,171			D									
		Та						•			sed of, onvertib				/ Ow	ned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date,		ransaction code (Instr.		n of		6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)			vative irity r. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(: (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or Nun of Sha	.							

Explanation of Responses:

/s/ Guy Cook

07/11/2011

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.