

Countouriotis Athena  
Form 3  
May 15, 2013

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*

Countouriotis Athena  
(Last) (First) (Middle)

C/O AMBIT BIOSCIENCES CORPORATION, 11080 ROSELLE STREET  
(Street)

SAN DIEGO, CA 92121  
(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)  
05/15/2013

3. Issuer Name and Ticker or Trading Symbol  
AMBIT BIOSCIENCES CORP [AMBI]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer  Other  
(give title below) (specify below)  
Chief Medical Officer

5. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security  
(Instr. 4)

2. Amount of Securities Beneficially Owned  
(Instr. 4)

3. Ownership Form:  
Direct (D)  
or Indirect (I)  
(Instr. 5)

4. Nature of Indirect Beneficial Ownership  
(Instr. 5)

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

SEC 1473 (7-02)

**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 control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security  
(Instr. 4)

2. Date Exercisable and Expiration Date  
(Month/Day/Year)

Date Exercisable      Expiration Date

3. Title and Amount of Securities Underlying Derivative Security  
(Instr. 4)

Title      Amount or Number of

4. Conversion or Exercise Price of Derivative Security

5. Ownership Form of Derivative Security: Direct (D)

6. Nature of Indirect Beneficial Ownership  
(Instr. 5)

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				Shares		or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (1)	04/23/2022	Common Stock	520	\$ 600	D	Â
Stock Option (Right to Buy)	Â (2)	12/12/2022	Common Stock	100,645	\$ 6	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Countouriotis Athena C/O AMBIT BIOSCIENCES CORPORATION 11080 ROSELLE STREET SAN DIEGO, CA 92121	Â	Â	Â Chief Medical Officer	Â

## Signatures

/s/ Athena  
Countouriotis

05/15/2013

Signature of  
Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) 25% of the shares subject to the option vest on February 7, 2013; thereafter 1/48th of the shares subject to the option vest each month following February 7, 2013, so that all of the shares subject to the option shall be vested February 7, 2016.
- (2) 1/48th of the shares subject to the option vest monthly beginning on December 1, 2012.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.