The Securities and Exchange Commission has not necessarily reviewed the information in this filing and has not determined if it is accurate and complete.

The reader should not assume that the information is accurate and complete.

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

Notice of Exempt Offering of Securities

OMB APPROVA	٩L
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OMB Number: 3235-0076

Estimated average burden

hours per

response: 4.00

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1. Issuer's Identity			
CIK (Filer ID Number)	Previous Names	None	Entity Type
O000894158 ADEONA PHARMACEUTICALS, INC. Name of Issuer PIPEX PHARMACEUTICALS, INC. Synthetic Biologics, Inc. Jurisdiction of Incorporation/Organization NEVADA Year of Incorporation/Organization X Corporation Limited Partnership Limited Liability Company General Partnership Business Trust Other (Specify) Yet to Be Formed			
2. Principal Place of Busine Name of Issuer Synthetic Biologics, Inc.	ess and Contact Informati	on	
Street Address 1 617 DETROIT STREET, City	State/Province/Country	Street Address 2 SUITE 100 ZIP/PostalCode	Phone Number of Issuer
ANN ARBOR 3. Related Persons	MICHIGAN	48104	(734) 332-7800
Last Name Riley Street Address 1 c/o Synthetic Biologics	First Name Jeffrey Street Address 2 617 Detroit Aven		Middle Name
City Ann Arbor	State/Province/OMICHIGAN e Officer X Director Proj	Country	ZIP/PostalCode 48104

Last Name	First Name	Middle Name
Ballantyne	C.	Evan
Street Address 1	Street Address 2	
c/o Synthetic Biologics	617 Detroit Avenue, Suite 100	
City	State/Province/Country	ZIP/PostalCode
Ann Arbor	MICHIGAN	48104
Relationship: X Executive Offi	icer Director Promoter	
Clarification of Response (if Ne	ecessary):	
Last Name	First Name	Middle Name
Kraws	Jeffrey	J.
Street Address 1	Street Address 2	
c/o Synthetic Biologics	617 Detroit Avenue, Suite 100	
City	State/Province/Country	ZIP/PostalCode
Ann Arbor	MICHIGAN	48104
Relationship: Executive Offi	icer X Director Promoter	
Clarification of Response (if Ne	ecessary):	
Last Name	First Name	Middle Name
Wolf	Jeffrey	
Street Address 1	Street Address 2	
c/o Synthetic Biologics	617 Detroit Avenue, Suite 100	
City	State/Province/Country	ZIP/PostalCode
Ann Arbor	MICHIGAN	48104
Relationship: Executive Offi	icer X Director Promoter	
Clarification of Response (if Ne	ecessary):	
Last Name	First Name	Middle Name
Kanzer	Steve	H.
Street Address 1	Street Address 2	
c/o Synthetic Biologics	617 Detroit Avenue, Suite 100	
City	State/Province/Country	ZIP/PostalCode
Ann Arbor	MICHIGAN	48104
Relationship: Executive Offi	icer X Director Promoter	
Clarification of Response (if Ne	ecessary):	
Last Name	First Name	Middle Name
Tarriff	Scott	L.
Street Address 1	Street Address 2	
c/o Synthetic Biologics	617 Detroit Avenue, Suite 100	
City	State/Province/Country	ZIP/PostalCode
Ann Arbor	MICHIGAN	48104
П	пп	

Relationship: Executive Officer X Direct	tor Promoter	
Clarification of Response (if Necessary):		
4. Industry Group		
Agriculture Banking & Financial Services Commercial Banking Insurance Investing Investment Banking Pooled Investment Fund Is the issuer registered as an investment company under the Investment Company Act of 1940? Yes No Other Banking & Financial Services Business Services Energy Coal Mining Electric Utilities Energy Conservation Environmental Services Oil & Gas Other Energy	Health Care Biotechnology	Restaurants Technology Computers Telecommunications Other Technology Travel Airlines & Airports Lodging & Conventions Tourism & Travel Services Other Travel Other
	Aggregate Net Asset Value Rar No Aggregate Net Asset Value \$1 - \$5,000,000 \$5,000,001 - \$25,000,000 \$50,000,001 - \$100,000,000 Over \$100,000,000 Decline to Disclose	

Not Applicable	Not Applicable
6. Federal Exemption(s) and Exclusion(s)	Claimed (select all that apply)
Rule 504(b)(1) (not (i), (ii) or (iii)) Rule 504 (b)(1)(i) Rule 504 (b)(1)(ii) Rule 504 (b)(1)(iii)	Rule 505 X Rule 506 Securities Act Section 4(5) Investment Company Act Section 3(c) Section 3(c)(1) Section 3(c)(2) Section 3(c)(2) Section 3(c)(10) Section 3(c)(3) Section 3(c)(11) Section 3(c)(4) Section 3(c)(12) Section 3(c)(5) Section 3(c)(13) Section 3(c)(6) Section 3(c)(14)
	Section 3(c)(7)
7. Type of Filing	
New Notice Date of First Sale 2012- Amendment 8. Duration of Offering	10-16 First Sale Yet to Occur
o. Duration of Chernig	
Does the Issuer intend this offering to la	ast more than one year? Yes X No
9. Type(s) of Securities Offered (select all	that apply)
Equity Debt Option, Warrant or Other Right to Acc Security Security to be Acquired Upon Exercise Warrant or Other Right to Acquire Security	e of Option, Other (describe)
10. Business Combination Transaction	
Is this offering being made in connectio transaction, such as a merger, acquisition	LIYESIXINO
Clarification of Response (if Necessary):	
11. Minimum Investment	

Minimum investment accepted from any outside investor \$0 USD

12. Sales Compensation		
Recipient	Recipient CRD Number X None	
(Associated) Broker or Dealer X None	(Associated) Broker or Dealer CRD Number	None
Street Address 1	Street Address 2	
City	State/Province/Country	ZIP/Postal Code
State(s) of Solicitation (select all that apply) Check "All States" or check individual States	Foreign/non-US	
13. Offering and Sales Amounts		
Total Offering Amount \$7,637,252 USD or Ir	ndefinite	
Total Amount Sold \$7,637,252 USD		
Total Remaining to be Sold \$0 USD or Ir	ndefinite	
Clarification of Response (if Necessary):		
The Company issued 3,552,210 shares of common s Collaboration Agreement. No cash was received. Th Company's stock of \$2.15 on 10/16/12.	· · · · · · · · · · · · · · · · · · ·	
14. Investors		
Select if securities in the offering have been or n accredited investors, and enter the number of shave invested in the offering.		as
Regardless of whether securities in the offering not qualify as accredited investors, enter the to invested in the offering:		do 1
15. Sales Commissions & Finder's Fees Expenses		
Provide separately the amounts of sales commission expenditure is not known, provide an estimate and	•	amount of an
Sales Commissions \$0 USD Estim	ate	
Finders' Fees \$0 USD Estim	ate	
Clarification of Response (if Necessary):		
16. Use of Proceeds		
Provide the amount of the gross proceeds of the of any of the persons required to be named as execut If the amount is unknown, provide an estimate and	ive officers, directors or promoters in respo	
\$0 USD Estim	ate	

Signature and Submission

Please verify the information you have entered and review the Terms of Submission below before signing and clicking SUBMIT below to file this notice.

Terms of Submission

In submitting this notice, each issuer named above is:

- Notifying the SEC and/or each State in which this notice is filed of the offering of securities described and
 undertaking to furnish them, upon written request, in the accordance with applicable law, the information
 furnished to offerees.*
- Irrevocably appointing each of the Secretary of the SEC and, the Securities Administrator or other legally designated officer of the State in which the issuer maintains its principal place of business and any State in which this notice is filed, as its agents for service of process, and agreeing that these persons may accept service on its behalf, of any notice, process or pleading, and further agreeing that such service may be made by registered or certified mail, in any Federal or state action, administrative proceeding, or arbitration brought against the issuer in any place subject to the jurisdiction of the United States, if the action, proceeding or arbitration (a) arises out of any activity in connection with the offering of securities that is the subject of this notice, and (b) is founded, directly or indirectly, upon the provisions of: (i) the Securities Act of 1933, the Securities Exchange Act of 1934, the Trust Indenture Act of 1939, the Investment Company Act of 1940, or the Investment Advisers Act of 1940, or any rule or regulation under any of these statutes, or (ii) the laws of the State in which the issuer maintains its principal place of business or any State in which this notice is filed.
- Certifying that, if the issuer is claiming a Rule 505 exemption, the issuer is not disqualified from relying on Rule 505 for one of the reasons stated in Rule 505(b)(2)(iii).

Each Issuer identified above has read this notice, knows the contents to be true, and has duly caused this notice to be signed on its behalf by the undersigned duly authorized person.

For signature, type in the signer's name or other letters or characters adopted or authorized as the signer's signature.

Issuer	Signature	Name of Signer	Title	Date
Synthetic Biologics, Inc.	/s/ Jeffrey Riley	Jeffrey Riley	President and Chief Executive Officer	2012-10-22

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.

^{*} This undertaking does not affect any limits Section 102(a) of the National Securities Markets Improvement Act of 1996 ("NSMIA") [Pub. L. No. 104-290, 110 Stat. 3416 (Oct. 11, 1996)] imposes on the ability of States to require information. As a result, if the securities that are the subject of this Form D are "covered securities" for purposes of NSMIA, whether in all instances or due to the nature of the offering that is the subject of this Form D, States cannot routinely require offering materials under this undertaking or otherwise and can require offering materials only to the extent NSMIA permits them to do so under NSMIA's preservation of their antifraud authority.