

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Rey Eric J.</u> (Last) (First) (Middle) <u>C/O ARCADIA BIOSCIENCES, INC.</u> <u>202 COUSTEAU PLACE, SUITE 105</u> (Street) <u>DAVIS CA 95618</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>05/14/2015</u>	3. Issuer Name and Ticker or Trading Symbol <u>Arcadia Biosciences, Inc. [RKDA]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>President and CEO</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> 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)
<u>Common Stock</u>	<u>0</u>	<u>D</u>	

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)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>12/31/2015</u>	<u>Common Stock</u>	<u>212,500</u>	<u>0.44</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>06/30/2018</u>	<u>Common Stock</u>	<u>625,000</u>	<u>1.08</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>10/31/2019</u>	<u>Common Stock</u>	<u>137,500</u>	<u>2.24</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>12/31/2019</u>	<u>Common Stock</u>	<u>187,500</u>	<u>2.24</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(1)</u>	<u>12/31/2020</u>	<u>Common Stock</u>	<u>125,000</u>	<u>13.56</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(2)</u>	<u>12/31/2022</u>	<u>Common Stock</u>	<u>25,000</u>	<u>13.56</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>(3)</u>	<u>10/29/2024</u>	<u>Common Stock</u>	<u>25,000</u>	<u>6.12</u>	<u>D</u>

Explanation of Responses:

- The option is fully exercisable as of the date hereof.
- The option vested as to 25% of the shares on the date of grant, with the remaining 75% of shares vesting in equal quarterly installments beginning on March 31, 2013 and ending on December 31, 2015. All unvested shares shall become fully exercisable upon the closing of the issuer's initial public offering.
- The option vested as to 50% of the shares on February 7, 2015, with the remaining 50% of shares vesting in equal monthly installments beginning on February 28, 2015 and ending on January 31, 2017.

Remarks:

Exhibit 24.1: Power of Attorney

/s/ Eric J. Rey.05/14/2015

** 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 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).

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.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Thomas P. O'Neil, Wendy S. Neal, Pam Haley and Sherry Mori, signing singly, the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Arcadia Biosciences, Inc. (the "Company"), Forms 3, 4 and 5 (including amendments thereto) in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), and the rules and regulations thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute any such Forms 3, 4 or 5 and timely file such form (including amendments thereto) with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution and revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Exchange Act.

The undersigned agrees that such attorney-in-fact may rely entirely on information furnished orally or in writing by the undersigned to such attorney-in-fact. The undersigned also agrees to indemnify and hold harmless the Company and such attorney-in-fact against any losses, claims, damages or liabilities (or actions in these respects) that arise out of or are based on any untrue statement or omission of necessary facts in the information provided by the undersigned to such attorney-in-fact for purposes of executing, acknowledging, delivering and filing Forms 3, 4 or 5 (including amendments thereto) and agrees to reimburse the Company and such attorney-in-fact for any legal or other expenses reasonably incurred in connection with investigating or defending against any such loss, claim, damage, liability or action.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 or 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier (a) revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact or (b) superseded by a new power of attorney regarding the purposes outlined in the first paragraph hereof as of a later date.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 14th day of May, 2015.

/s/ Eric J. Rey
Signature
Eric J. Rey
Print Name