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**UNITED STATES  
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**

**September 9, 2015**

Date of Report (Date of earliest event reported)

**INVIVO THERAPEUTICS HOLDINGS CORP.**

(Exact Name of Registrant as Specified in Charter)

**Nevada**

(State or Other

Jurisdiction of Incorporation)

**001-37350**

(Commission File Number)

**36-4528166**

(IRS Employer

Identification No.)

**One Kendall Square, Suite B14402**

**Cambridge, Massachusetts 02139**

(Address of Principal Executive Offices) (Zip Code)

**(617) 863-5500**

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- ☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
  - ☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
  - ☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
  - ☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 7.01. Regulation FD Disclosure.**

On September 9, 2015, InVivo Therapeutics Holdings Corp. posted an updated investor presentation in the "Investor Relations" section of its website at [www.invivotherapeutics.com](http://www.invivotherapeutics.com).

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**SIGNATURES**

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.

INVIVO THERAPEUTICS HOLDINGS CORP.

Date: September 9, 2015

By: /s/ Tamara Joseph  
Name: Tamara Joseph  
Title: SVP, General Counsel & Chief Compliance Officer

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