

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF  
SECURITIES

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

Filed 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>Wirth Edward</u>  (Last) (First) (Middle) <u>C/O INVIVO THERAPEUTICS HOLDING CORP.</u> <u>ONE BROADWAY, 14TH FLOOR</u>  (Street) <u>CAMBRIDGE MA</u> <u>02142</u>  (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>12/05/2011</u>	3. Issuer Name and Ticker or Trading Symbol <u>INVIVO THERAPEUTICS HOLDINGS CORP. [ NVIV ]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Chief Science Officer</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)

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)		6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Explanation of Responses:  
No securities are beneficially owned.

/s/ Thomas B. Rosedale (by  
Power of Attorney). 12/06/2011  
\*\* 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 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.

INVIVO THERAPEUTICS HOLDINGS CORP.

LIMITED POWER OF ATTORNEY

This statement confirms that the undersigned has authorized and designated each of Ann Imes, Heather Turner and Thomas B. Rosedale his attorneys-in-fact to (i) prepare, execute and file on behalf of the undersigned Form ID or any other necessary documents or forms in order to obtain access codes (including, without limitation, CIK and CCC codes) for the undersigned to permit filing on EDGAR, and (ii) prepare, execute and file on behalf of the undersigned all Forms 3, 4 and 5 (including any amendments thereto) that the undersigned may be required to file with the U.S. Securities and Exchange Commission as a result of the undersigned's ownership of or transactions in securities of InVivo Therapeutics Holdings Corp. The authority of such attorneys under this Power of Attorney shall continue until the undersigned is no longer required to file Forms 3, 4 and 5 with regard to the undersigned's ownership of or transactions in securities of InVivo Therapeutics Holdings Corp., unless earlier revoked in writing. The undersigned acknowledges that such attorneys are not assuming any of the undersigned's responsibilities to comply with the requirements of Section 16 of the Securities Exchange Act of 1934, as amended, or any of the undersigned's liabilities for failure to comply with such requirements.

Date: October 12, 2011

/s/ Edward Wirth

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Name: Edward Wirth