

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

**FORM 6-K**

REPORT OF FOREIGN ISSUER  
Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934

**For the month of January 2006**

**Commission File Number 000-51122**

**pSivida Limited**

(Translation of registrant's name into English)

Level 12 BGC Centre  
28 The Esplanade  
Perth WA 6000

(Address of principal executive offices)

(Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F).

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- \_\_\_\_.

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant, pSivida Limited, has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

pSivida Limited

Date: January 5, 2006

By: /s/ Aaron Finlay

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Aaron Finlay  
Chief Financial Officer and Company Secretary

**EXHIBIT INDEX**

**EXHIBIT 99.1:** Appendix 3X Initial Director's Interest Notice

# Appendix 3X

## Initial Director's Interest Notice

Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.

Introduced 30/9/2001.

<b>Name of entity</b>	PSIVIDA LIMITED
<b>ABN</b>	78 009 232 026

We (the entity) give ASX the following information under listing rule 3.19A.1 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Dr Paul Ashton
<b>Date of appointment</b>	30 December 2005

### Part 1 - Director's relevant interests in securities of which the director is the registered holder

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Number &amp; class of securities</b>
17,664,080 fully paid ordinary shares (represented by 1,766,408 American Depositary Shares)
352,280 unquoted options to acquire ordinary shares (represented by options to acquire 35,228 ADSs) expiring 25 August 2009, exercisable at US\$0.22709 per share (or US\$2.2709 per ADS)
528,420 unquoted options to acquire ordinary shares (represented by options to acquire 52,842 ADSs) expiring 18 September 2007, exercisable at US\$0.17742 per share (or US\$1.7742 per ADS)
500,000 unquoted options to acquire ordinary shares expiring 30 September 2010, exercisable at A\$0.92 per share

+ See chapter 19 for defined terms.

**Part 2 - Director's relevant interests in securities of which the director is not the registered holder**

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

<b>Name of holder &amp; nature of interest</b> <small>Note: Provide details of the circumstances giving rise to the relevant interest</small>	<b>Number &amp; class of Securities</b>
N/A	N/A

**Part 3 - Director's interests in contracts**

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Detail of contract</b>	
<b>Nature of interest</b>	
<b>Name of registered holder (if issued securities)</b>	
<b>No. and class of securities to which interest relates</b>	

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+ See chapter 19 for defined terms.