

ILLUMINA INC

Form 424B7

May 18, 2010

Prospectus Supplement, dated May 18, 2010

(To Prospectus dated July 30, 2007)

Filed Pursuant to Rule 424(b)(7)

File No. 333-144953

Selling Stockholders

The information in the table below should be considered in addition to the information appearing in the related prospectus under the heading **Selling Stockholders** and is based on information provided to us by the selling stockholders as of May 17, 2010. If the selling stockholder identified in the table below is also identified in the table appearing under the heading **Selling Stockholders** in the related prospectus, or in any other supplement to that prospectus filed with the SEC prior to May 18, 2010, then the information relating to that selling stockholder in the table and notes below supersedes the corresponding information in the prospectus or prospectus or supplement. The following table presents information regarding the selling stockholder and the shares that it may offer and sell from time to time under the registration statement relating to this prospectus supplement. We prepared this table based on information that the selling stockholder listed below has supplied to us. The information about the selling stockholder listed below may change over time, and we may not be made aware of these changes. If the selling stockholder notifies us of any such change, we will reflect the change in a new prospectus supplement. Except as otherwise indicated below, to our knowledge, no selling stockholder or any of its affiliates, officers, directors, or principal equity holders (5% or more) has held any position or office or has had any other material relationship with us or our predecessors or affiliates during the three years prior to the date of this prospectus supplement.

Our registration of the offer and sale of the shares of our common stock identified below does not mean that the selling stockholder identified below will sell all or any of these shares. In addition, the selling stockholder may have sold, transferred, or disposed of all or a portion of its shares after the date on which it provided us with the information regarding its holdings, including in transactions exempt from the registration and prospectus delivery requirements of the Securities Act of 1933, as amended. In addition, we do not know how long the selling stockholder will hold the shares before selling them, if at all.

The term **selling stockholder** includes the stockholder listed below and certain of its pledgees and donees, or other successors, described under **Plan of Distribution** in the related prospectus. The number of shares in the column **Maximum Number of Shares of Common Stock Being Sold in this Offering** represents all of the shares that the applicable selling stockholder may offer under this prospectus supplement and the related prospectus and assumes the selling stockholder exercises, for cash, of all the outstanding warrants it holds.

A selling stockholder that is identified below as a broker-dealer, or an affiliate of a broker-dealer, may be deemed to be an underwriter with respect to the securities it sells pursuant to this prospectus supplement.

Beneficial ownership and percentage ownership are determined in accordance with the SEC's rules. The percentages in the table below are calculated based on 121,793,243 shares of our common stock outstanding as of April 15, 2010.

Selling Stockholder	Number of Shares of Common		Maximum Number of Shares of Common	Number of Shares of Common	
	Stock Beneficially Owned Before this Offering	Percent	Stock Being Sold in this Offering	Stock Beneficially Owned After this Offering	Percent
	Number		Number	Number	Percent
OTA LLC(1)(2)	447,888	*	447,888		*

* Less than 1%.

(1)

The selling stockholder has identified itself as a broker-dealer that is registered under the Securities Exchange Act of 1934, as amended.

- (2) The selling stockholder has represented to us that, at the time it acquired the relevant securities, it did not have any agreements or understandings, directly or indirectly, with any person to distribute the securities.