EXHIBIT A

PFENEX INC.

2014 EMPLOYEE STOCK PURCHASE PLAN

SUBSCRIPTION AGREEMENT

Original Application	Offering Date:	
Change in Payroll Deduction Rate		
	hereby elects to participate in the Pfenex Inc. 2014 Employee abscribes to purchase shares of the Company's Common Stock in ement and the Plan.	
	roll deductions from each paycheck in the amount of% of m 0 to 15%) during the Offering Period in accordance with the rcentages are permitted.)	
of Common Stock at the applicable understand that if I do not withdraw fr	payroll deductions will be accumulated for the purchase of shares Purchase Price determined in accordance with the Plan. I from an Offering Period, any accumulated payroll deductions will obtion and purchase Common Stock under the Plan.	
•	y of the complete Plan and its accompanying prospectus. I Plan is in all respects subject to the terms of the Plan.	
	ock purchased for me under the Plan should be issued in the ployee or Eligible Employee and Spouse only).	
two (2) years after the Offering Date (the shares) or one (1) year after the Exerciple having received ordinary income at the fair market value of the shares at the time for the shares. I hereby agree to notify	spose of any shares received by me pursuant to the Plan within he first day of the Offering Period during which I purchased such cise Date, I will be treated for federal income tax purposes as time of such disposition in an amount equal to the excess of the me such shares were purchased by me over the price that I paid the Company in writing within thirty (30) days after the date of will make adequate provision for federal, state or other tax	
	arise upon the disposition of the Common Stock. The Company	
may, but will not be obligated to, withhold from my compensation the amount necessary to meet any applicable withholding obligation including any withholding necessary to make available to the Company		
any tax deductions or benefits attributable to sale or early disposition of Common Stock by me. If I		
dispose of such shares at any time after the expiration of the two (2) year and one (1) year holding		

periods, I understand that I will be treated for federal income tax purposes as having received income only at the time of such disposition, and that such income will be taxed as ordinary income only to the extent of an amount equal to the lesser of (a) the excess of the fair market value of the shares at the time of such disposition over the purchase price which I paid for the shares, or (b) 15% of the fair market

value of the shares on the first day of the Offering Period.	The remainder of the gain, if any, recognized
on such disposition will be taxed as capital gain.	

Subscription Agreement is dependent upon my eligibility to participate in the Plan.

I hereby agree to be bound by the terms of the Plan. The effectiveness of this

Signature of Employee

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