## Duplicate statements or confirmations to a third party



Return by mail:

Print name of signer

Putnam Investments PO Box 219697 Kansas City, MO 64121-9697 Return by express delivery:

Putnam Investments 801 Pennsylvania Ave Suite 219697 Kansas City, MO 64105-1307 For more information:

Putnam Investments 1-800-225-1581 www.putnam.com



This form may be used by existing Putnam shareholders to establish an additional mailing address for duplicate statements (produced quarterly) and/or confirmations (produced the day after any financial or non-financial activity occurs on your account). Please note: systematic transactions, such as systematic purchases, do not generate confirmations.

Duplicate statements and/or confirmations will be sent for all accounts related to the Social Security number(s) provided in Section 1. All owners must provide authorization in Section 3. All references herein to the singular (i.e., "I" or "my") include the plural as applicable.

Section 1 <b>Customer information</b>			
Name of current owner/custodian/trustee/entity		Tax identification number	
Name of current joint owner/minor/co-trustee/authorized party		Tax identification number	
Contact phone number			
<b>Note:</b> Providing a phone number above will replace the current contact	ct information on file with Putnam (if app	plicable).	
Section 2 Third party information			
Please establish the following additional mail address to receive dupli Recipient (individual, company, or firm name)	icate statements and/or confirmations.		
Mailing address (including apartment or box number)	City	State ZIP code	
Mail both duplicate statements and duplicate confirmations to the Mail only duplicate statements to the third party recipient named Mail only duplicate confirmations to the third party recipient named Section 3 Authorization	above.		
With this application, I authorize Putnam Investor Services to mail dup above, without responsibility for correctness thereof or for the existen Putnam funds, and Putnam Investor Services for any loss, liability, or expectations.	ce of any further authorization relating t	hereto. I agree to indemnify and hold harmless the	
This authorization may be terminated by me at any time by written no request.	otification to Putnam Investor Services, v	vith reasonable time given to implement my/our	
My signature below indicates that I agree to the terms herein.			
Signature of owner/custodian/trustee/authorized signer		Current date (mm/dd/yyyy)	
Print name of signer			
Signature of joint owner/co-trustee/co-authorized signer		Current date (mm/dd/yyyy)	