

JHCEHSHS STUDENT TECHNOLOGY FEE REQUEST FORM

Procedure for Submission:

Form Updated: 3/28/12

1. Submitter must obtain all required information from the desired vendor(s). An official quote from the vendor must be attached.
2. Only one request per Request Form. This request must be reviewed, approved, and submitted by the requesting program's Department Chair.
3. The Dept. Chair may email this request to the Tech Fee Director. *(Since some departments will have multiple requests, please rename request in the following format ABC_Request_# where "ABC" is your department and "#" is the numbering of your request)*

Dept. making request:	Kinesiology		Requesting Faculty:	Frank Pizza
Date submitted:	9-21-2012		Requested purchase date:	10/2012

IMPORTANT: Attach an official quote from the vendor.

List one item OR group (for use as a "package") per page.

Item Name and Description	Vendor info. (name, address, Web site URL, phone #, email, etc.)	Part or Model #	Cost (each)	Qty	Total
Hardware upgrade of Microscope	B&B Microscopes	See attached Quote	See attached quote	1	17, 625.00
Dunn Chamber	Hawksley	See attached quote	See attached quote	2	233.00
Course(s) where item(s) will be used	KINE 4/5560, KINE4870, KINE4910, KINE6/8560, KINE6/8550, KINE6960, KINE8960	Required for accreditation?	NO	# Students Impacted per Year	20
Location equipment or software will be used	HH 1415	Will this be an ongoing expense (if yes how much annual)?	NO		

Impact on student learning (attach additional pages if needed):

Undergraduate and graduate students in the Dept of Kinesiology receive hands-on training on how to decipher complex responses and adaptations that occur in skeletal muscle after exercise. An important component of their training is to learn how to monitor the behavior of skeletal muscle cells in vitro. The requested items will afford students the opportunity to learn how to track the movement and development of skeletal muscle cells in real-time (i.e., via time-lapse microscopy). The incorporation of video captured using this system into lectures (e.g., KINE 2530; ~100 students/year) will greatly enhance students understanding of how skeletal muscle injuries are repaired. Furthermore, current work by undergraduate and graduate students in Drs. Pizza and McLoughlin labs could benefit from the requested items.

- **Equipment/Technology purchased with Tech Fee funds is for student use only. It cannot be filtered or "passed-down" to faculty or staff.**
- All outdated or broken Tech Fee equipment/technology must be returned to the Tech Fee Committee for retirement or disposal.
- If you are submitting a request for computers, printers, scanners or software, you must consult with College Computing and the technology staff, to acquire a quote and to make sure that this equipment/software is supported by UT.

Hawksley

Medical and Laboratory Equipment

Marlborough Rd, Lancing Business Park, Lancing, W. Sussex, BN15 8TN, UK.
Tel: +44 (0)1903 752815. Fax: +44 (0)1903 766050
e-mail: enquiries@hawksley.co.uk web site: http://www.hawksley.co.uk



Quotation

University of Toledo
2801 W. Bancroft St
Toledo
Ohio 43606
USA

Customer Ref	Date	Our Reference Number
Frank Pizza	21/09/20112	E210912/MS/1

PRODUCT CODE	DESCRIPTION	Quantity	Price each	Value
DCC100	DUNN CHAMBER	2	£60.00	£120.00
Delivery: 10/12 days from receipt of payment Shipment by: Royal Mail Insurance: Included Payment terms: Prepayment by Proforma invoice Prices : All quoted GB Pounds Sterling.		Goods total Ex Works		£120.00
		Carriage		£17.30
NOTE: All Bank charges for account of buyer Hawksley & Sons Ltd Vat No: GB321977154 International Bank Account Number (IBAN) GB71MIDL40270301026119 Branch Identifier Code (Swift - BIC) MIDLGB2136T Sort Code 402703 Account Number 01026119		Sub-Total		£137.30
		VAT (if applicable)		£0.00
		INVOICE TOTAL		£137.30

USD\$ value

\$233.00



**490 Lowries Run Road
Pittsburgh, PA 15237**

**** Optics * Imaging * Confocals ****

Phone: **800-433-1749**

Fax: **877-768-1984**

Quote No: 2012-DMN-1104 - 1

9/4/2012

Frank Pizza, Ph.D.
University of Toledo
Dept. of Kinesiology
Toledo, OH 43606

Sales Rep: David Navratil

Phone: (800) 433-1749 Ext. 169

Email: David.Navratil@BBMicro.com

**Email all Purchase Orders to
Orders@BBMicro.com**

Phone: (419) 530-4178

Fax:

E-Mail: francis.pizza@utoledo.edu

Catalog No.	Product Description	Qty	Price	Extension
1	*** SUTTER SMART SHUTTER***	1	\$0.00	\$0.00
2	OSI-LB-SC LB-SC;SMART SHUTTER CONTROLLER,USB CONTROL	1	\$790.00	\$790.00
3	OSI-IQ25-SA IQ25-SA;HIGH SPEED SHUTTER 25MM,STAND ALONE HOUSING	1	\$1,050.00	\$1,050.00
4	OSI-Y70EC 10-Y70-EC;SUTTER EXCITATION FILTER WHEEL ADAPTER FOR IX70&50	1	\$370.00	\$370.00
5	***STAGE-TOP INCUBATION CHAMBER***	1	\$0.00	\$0.00
6	PD-05-11-0035 PATHOLOGY DEVICES, Heating Chamber Module	1	\$9,322.00	\$9,322.00
7	PD-05-11-0036 PATHOLOGY DEVICES, CO2 Mixing Module	1	\$3,531.00	\$3,531.00
8	PD-05-11-0037 PATHOLOGY DEVICES, Humidity Module	1	\$1,953.00	\$1,953.00
9	PD-05-11-0076 PATHOLOGY DEVICES, Universal Insert (replaces all other inserts)	1	\$524.00	\$524.00
10	SHIPHAND SHIPPING AND HANDLING CHARGE	1	\$85.00	\$85.00
			TOTAL:	\$17,625.00



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Terms & Conditions:

9.20h

PLEASE NOTE:

Price is Valid for 30 Days.
Payment Terms - Net 30 Days
Price Does Not Include Shipping, Handling or Taxes.
Please Add Where Applicable.
A Minimum of 20% Restocking Fee May Apply on Any Returned Items.

Olympus Warranty:

Five Years on Mechanics and Optics.
One Year Electrical.
As Specified by the Olympus Manufacturers Warranty.

This is an official price quotation for the products which you have shown an interest to purchase. The prices listed in this quotation as well as any package pricing, apply to the entire quote as presented. Changes, additions or deletions from this quotation may result in pricing adjustments. Catalog numbers may change from time to time.

This quotation is valid until 10/4/2012