

# REGISTRATION FORM

(PLEASE PRINT)

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Zip \_\_\_\_\_

Preferred Phone: (     ) \_\_\_\_\_

Email: \_\_\_\_\_

Highest Earned Degree: \_\_\_\_\_

Specialty and Professional Affiliation: \_\_\_\_\_

Please note any dietary restrictions: \_\_\_\_\_

Registration Fee: \$1440.00

Registration Includes: Tuition, course materials, breaks and lunches.

Please note that at this time we are unable to offer CME credit.

Checks should be made payable to:

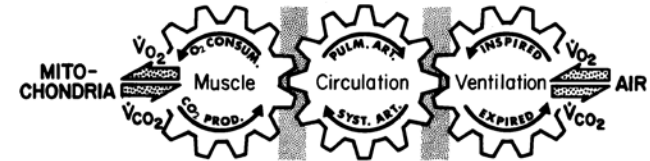
**L.A. BIOMED RESEARCH INSTITUTE**

Mail Registration form and check to:

Ms. Charlene Humphrey  
LABiomed at Harbor-UCLA Medical Center  
1124 West Carson Street, CDCRC, Rm 210  
Torrance, CA 90502

For payment by Visa, Mastercard, or Discover Card  
please call with card information: (310) 222 3801

Registration limited to 30 participants. Refunds (minus \$150 processing) will be made for cancellations at least 30 days prior to course date.



## Harbor-UCLA Practicum in Cardiopulmonary Exercise Testing



Upcoming Course Dates:  
**Thursday - Saturday**  
**October 19-21, 2017**

## Course Faculty

**Karlman Wasserman, M.D., Ph.D.**  
Emeritus Professor of Medicine  
Division of Respiratory and Critical Care  
Physiology and Medicine  
Harbor-UCLA Medical Center

**Harry Rossiter, Ph.D.**  
Associate Professor, UCLA  
Harbor-UCLA Medical Center

**Darryl Y. Sue, M.D.**  
Emeritus Professor of Medicine, UCLA  
Harbor-UCLA Medical Center

**Richard Casaburi, Ph.D., M.D.**  
Professor of Medicine, UCLA  
Harbor-UCLA Medical Center

**William W. Stringer, M.D.**  
Professor of Medicine, UCLA  
Harbor-UCLA Medical Center

**Janos Porszasz, M.D., Ph.D.**  
Technical Director  
Rehabilitation Clinical Trials Center  
Harbor-UCLA Medical Center

**Susan A. Ward, Ph.D.**  
Emeritus Professor of Sports Science  
University of Leeds

**Kathy E. Sietsema, M.D.**  
**Course Director**  
Professor of Medicine, UCLA  
Chief, Division of Respiratory & Critical Care  
Physiology and Medicine  
Harbor-UCLA Medical Center

Contact: [ksietsema@LABiomed.org](mailto:ksietsema@LABiomed.org)

**About the Practicum:** The Practicum was inaugurated in 1982 by Drs. Karlman Wasserman and Brian J. Whipp in response to requests for practical instruction in cardiopulmonary exercise testing. Since then the content of the course has evolved to incorporate changes in applications and technical capabilities in the field but continues to have the physiology of exercise as its basis. The three day program includes didactic lectures, small group discussions, and laboratory demonstrations. Educational goals are to understand the physiologic basis of gas exchange responses to exercise, and to be able to interpret and utilize data from clinical exercise tests. The course is intended for physicians in clinical practice or academics, exercise scientists, and laboratory personnel involved in cardiopulmonary exercise testing. No specific preparation is required. A copy of the textbook Principles of Exercise Testing and Interpretation is included in the registration.

### Overview of the course content:

**Day 1 – PRINCIPLES 8:30 am to 6 pm**  
Physiologic basis of exercise  
Matching internal and external respiration  
Practical issues in conducting a clinical exercise test  
Laboratory demonstrations: Calibration and Incremental work  
Group discussions  
Evening reception – meet the faculty

**Day 2 – TESTING 8:30 am to 5:00 pm**  
Summarizing and displaying data for analysis  
Normal values  
Applications of exercise testing  
Calibration and Validation  
Laboratory demonstration: Constant work rates  
Dynamic responses to exercise and use of constant work rates  
Group discussions

**Day 3 – INTERPRETATION 8:00 am to 3:00 pm**  
Typical pathophysiologic response patterns  
Strategies for integrated interpretation and reporting  
Practice Interpretations of clinical tests  
Final discussion and wrap-up