

**Mario A. Muñoz, M.S., ScD<sup>(c)</sup>**  
**Lecturer**

ScD<sup>(c)</sup>, Doctoral Candidate in Rehabilitation Sciences, Boston University  
M.S., Exercise Science, Northern Michigan University  
B.A., Physical Education, University of Puerto Rico  
*Specialty: Physical Activity Measurement and Research Methods*

Mr. Muñoz's research interests are, the influence of motor proficiency and self-efficacy on children's participation in physical activities and their performance in field fitness testing. He has presented for the American College of Sports Medicine, winning the Federation of American Societies for Experimental Biology's Minority Access to Research Careers Program Travel Award. Mr. Muñoz was the recipient of the Dean's Award for Sargent College of Health and Rehabilitation Sciences, at the 2008 Boston University's Science and Engineering Day.

**Mario A. Muñoz, M.S., ScD<sup>(c)</sup>**  
**Lecturer**

ScD<sup>(c)</sup>, Doctoral Candidate in Rehabilitation Sciences, Boston University  
M.S., Exercise Science, Northern Michigan University  
B.A., Physical Education, University of Puerto Rico  
*Specialty: Physical Activity Measurement and Research Methods*

Mr. Muñoz's research interests are, the influence of motor proficiency and self-efficacy on children's participation in physical activities and their performance in field fitness testing. He has presented for the American College of Sports Medicine, winning the Federation of American Societies for Experimental Biology's Minority Access to Research Careers Program Travel Award. Mr. Muñoz was the recipient of the Dean's Award for Sargent College of Health and Rehabilitation Sciences, at the 2008 Boston University's Science and Engineering Day.

# MARIO A. MUÑOZ, M.S., ScD<sup>(c)</sup>

## EDUCATION

---

2006 - present Boston University Boston, MA  
*Doctoral candidate in Rehabilitation Sciences*  
Granted a research assistantship by the Sargent College of Health and Rehabilitation.

1994 - 1996 Northern Michigan University Marquette, MI  
*Master in Science / Exercise Sciences*  
Two years of graduate studies, along with completing a master research project.  
Graduate assistant in the Health and Physical Education Department.

1989 - 1994 University of Puerto Rico Río Piedras, PR  
*Bachelor in Arts / Physical Education*  
Research assistant, and student Athletic Trainer in the Physical Education Department.

## PROFESSIONAL EXPERIENCE

---

2006 – present Boston University – Sargent College of Health and Rehabilitation Sciences  
*Research Coordinator*  
Physical Activity, Fitness and Obesity in Children with Coordination Disorders – NIH/NICHHD – R21 funded, Dr. Sharon Cermak - PI

2001 - 2006 Performance Developers & Consultants San Juan, PR  
*President*  
Youth's Sport training adviser.

2002 – 2006 Department of Sports and Recreation, Government of Puerto Rico  
San Juan, PR  
*Consultant*  
Evaluate, recommends and develop conditioning programs for the participants of the “Elite Youth Performance” Sports Programs

2004 - 2006 University of Puerto Rico Ponce, PR  
*Instructor*  
Lecture Undergraduate students:

- Measurement and Evaluation Methods in Sports and Exercise
- Exercise Physiology

2004 - 2006 Turabo University Caguas, PR  
*Instructor*  
Lecture Graduate Students:

- Advance Exercise Physiology I and II, Advance Research Methods

2002 -2006 Sacred Heart University San Juan, PR

*Instructor*

Lecture Undergraduate students:

- Exercise Physiology

1997 - 2003 Metropolitan University San Juan, PR

*Instructor*

Lecture Graduate students:

- Measurement of Wellness, Health and Fitness Programs
- Developing Corporate Health Programs

1999 - 2000 Functional Capacity Evaluation Center Río Piedras, PR

*Exercise Physiologist*

- Director of the Industrial Rehabilitation and Wellness Program
- Functional Capacity and Fitness evaluator
- Health and Fitness clinic developer

1996 - 1999 Institute for Physical Rehabilitation Río Piedras, PR

*Exercise Physiologist*

- Director of the Industrial Rehabilitation and Wellness Program
- Director of the Exercise for Person with Chronic Diseases program
- Functional Capacity and Fitness evaluator

#### **ADDITIONAL PROFESSIONAL ACTIVITIES**

---

- Physical Conditioning Coach for various teams participating in the female and male professional volleyball tournament in Puerto Rico. (1991-2005)
- Physical Conditioning Coach and Athletic Trainer for the Puerto Rico's Team-handball National Team (1993-1994)
- Cardiac rehabilitation program internship. Marquette General Hospital, Marquette, MI. (1995-1996)
- Physical Conditioning Coach for the Northern Michigan University's female volleyball team (1995-1996)
- Secretary of the Physical Education and Recreation Association of Puerto Rico (1996-1997)

## **PUBLICATIONS**

---

- THE VALIDITY AND RELIABILITY OF THE CALTRAC ACCELEROMETER MEASURING THE ENERGY EXPENDITURE DURING A 20 MINUTES WALK – Mayéutica Journal, Physical Education and Recreation Research Journal: Vol. 3, 1996
- PHYSICAL ACTIVITY AND THE GERIATRIC POPULATION – Internet Based Electronic Magazine: Vol.1,1998 ([http://upracd.upr.clu.edu:9090/~revistai/98v1\\_4.htm](http://upracd.upr.clu.edu:9090/~revistai/98v1_4.htm))
- DIABETES AND EXERCISE - Internet Based Electronic Magazine: Vol. 2, 1999 (<http://upracd.upr.clu.edu:9090/~revistai/inclusion982.htm#lect11>)
- EXERCISE FOR PATIENTS WITH MULTIPLE SCLEROSIS– Gente Especial, Monthly News Paper, San Juan, Puerto Rico, August 1999
- PREGNANCY AND EXERCISE – Guía Practica Para La Mama, Magazine Year 1 edition # 2, San Juan, Puerto Rico.
- EXERCISE PHYSIOLOGIST OR PERSONAL TRAINER? – Buena Vida, Magazine, Casiano Communications, San Juan, Puerto Rico, October 1999.

## **LECTURES / PRESENTATIONS**

---

- The Association of Fitness Measures and the Six-minute Walk Test in Healthy Children – Poster presentation - American College of Sport Medicine annual conference, Indianapolis, In, May 30, 2008
- The Association of Fitness Measures and the Six-minute Walk Test in Healthy Children – Slide presentation at the annual conference of the Association of Physical Education and recreation of Puerto Rico, Turabo, PR, October 2007
- Physical, and Academic Fatigue of the Student Athlete – Lecture to the participants of the Catholic Schools’ Annual Convention, San Juan, PR, January, 2003
- Benefits of an Strength and Conditioning Program – Lecture to the participants at the “ALTURA” Basketball Program of the Department of Sport and Recreation of PR, Salinas, PR, October 2002
- How to attract young participants to wellness programs to increase their health status. – Slide presentation at the annual conference of the Physical Education and Recreation Association of Puerto Rico, San German, PR, December 2001

- Exercise Physiology and Children in Sports – X International Congress of Children and Sport, Dominican Republic, March 2001

#### **PROFESSIONAL MEMBERSHIPS**

---

- American College of Sport Medicine
- American Alliance for Health, Physical Education, Recreation, and Dance.
- Physical Education and Recreation Association of Puerto Rico

#### **AWARDS**

---

- Federation of American Societies for Experimental Biology (FASEB)/Minority Access to Research Careers (MARC) Program – Poster/Oral Presentation Travel Award
- Sargent College of Health and Rehabilitation Sciences' Dudley Allen Research Grant
- Boston University's Science Day Sargent College Dean's Award – Award for poster presented at annual research symposium at Boston University

#### **SKILLS**

---

- Physical Fitness, and Health Evaluator
- Highly experienced in the development of multimedia presentations and lectures.
- Computer statistical analysis expertise
- Knowledgeable of SAS application