

## CURRICULUM VITA

### A. Datos Personales

Nombres y Apellidos: Rafael Antonio Reyes Alvarez  
Dirección del trabajo: Universidad de Los Andes. Fac. Humanidades.  
Escuela de Educación. Dpto. Educ. Física.  
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### B. Estudios Realizados

#### 1. Universidad

- 1.1. Instituto Pedagógico Experimental de Maracay (IUPEMAR). 1977. Pedagogo en Educación Física
- 1.2. Universidad de Los Andes (ULA). 1984. Licenciado en Educación. Mención en Educación Física.

#### 2. Cursos de Post-grado

- 2.1. Maestría: Universidad Pedagógica Experimental Libertador (UPEL). Instituto Pedagógico de Barquisimeto. 1992. Maestría en Educación. Mención Educación Superior. Nombre de la Tesis: Forma de Enseñanza de la Educación Física, Atracción hacia la Asignatura y su efecto sobre el Rendimiento Físico (Tesis de la Maestría. Aprobada con Mención Publicación)
- 2.2. Doctorado: Louisiana State University (LSU). Baton Rouge, Louisiana-EEUU. 2004. Doctor of Philosophy. Nombre de la Tesis: Hemodynamic Response Following Dynamic Resistance Exercise in Young and Older Women.
- 2.3. Post-Doctorado: Microcirculación y Ejercicio Físico. Efectos del Ejercicio Físico, Edad, y Sexo en la Función Endotelial de Arterias Coronarias y Cerebrales de Ratas. Centro de Investigaciones Interdisciplinarias en Ciencias Cardiovasculares. West Virginia University (WVU). Morgantown, West Virginia-EEUU.

3. Otros Cursos:
- 3.1. Universidad de Los Andes. 1992. Curso de Post-grado no conducente a grado académico. Curso: Fisiología del Ejercicio. Un semestre de duración.
  - 3.2 Universidad de Los Andes. 1992. Curso de Post-grado no conducente a grado académiko. Curso: Teoría y Metodología del Enrenamiento Deportivo.. Un semestre de duración.
  - 3.3. Universidad de Los Andes. 1992. Curso de Post-grado no conducente a grado académico. Curso: Estadística y Computación Aplicada. Un semestre de duración.

**C. Cargos Desempeñados:**

1. Universidad de Los Andes. Profesor Titular. Miembro del Personal Docente y de Investigación del Departamento de Educación Física de la Escuela de Educación en la Facultad de Humanidades y Educación desde 15-03-1981 a la presente.
2. Louisiana State University, Kinesiology Department. Desde 15-8-1998 a 15-8-2003 Asistente de Investigación.
3. Louisiana State University. Kinesiology Department. Desde 15-08-1998 a 31-12-2000. Co-investigador en el proyecto de investigación: "Exercise Training and Functional Ability of Older Adults". Asistente de Investigación.
4. Universidad de Los Andes. Jefe del Departamento de Educación Física de la Escuela de Educación en la Facultad de Humanidades y Educación. Universidad de Los Andes (1990-1993).
5. Universidad de Los Andes. 15-03-1981 a 01-09-1984. Coordinador General de la Dirección de Deportes de la Universidad de Los Andes.
6. Ciclo Básico Creación Ejido I. Ejido-Estado Mérida. 15-09-1977 al 15-03-1981. Profesor por horas de Educación Física.
7. Liceo Ejido. 01-09-1977 a 15-03-1981. Profesor por horas de Educación Fsica.
8. Liceo José Luis Ramos. Maracay. Edo. Aragua. 01-09-1975 a 31-07-1977. Profesor por horas de Educación Física.

**D. Becas, Premios y Distinciones.**

- 2004 Fundación Venezolana de Promoción del Investigador (PPI). Miembro del Programa de Promoción del Investigador en la Categoría Investigador Activo Nivel I. Número 4951
- 2005 Universidad de Los Andes. Vicerrectorado Académico. Consejo de Desarrollo Científico, Humanístico y Tecnológico (CDCHT). Premio Estímulo al Investigador (PEI). Convocatoria 2005
- 2002 Fundación Venezolana de Promoción del Investigador (PPI). Miembro del Programa de Promoción del Investigador en la Categoría Candidato. Número 4951
- 2003 First Place Student Award in The 31<sup>st</sup> Annual Meeting of Southeast Chapter of American College of Sport Medicine with the study: Short-term Reliability of Forearm Venous Indices Using Strain Gauge Plethysmography: Influence of Handgrip Strength on Venous Outflow and Capacitance. M. Alomari, **R. Reyes**, R. Wood, and M. Welsch.
- 2002 First Place of Corbett Summer Graduate Student Research Award. In Exercise Physiology Major with the study: Hemodynamic Response Following Dynamic Resistance Exercise in Young and Older Adult Women. Louisiana State University.
- 1997 Most Outstanding Abstract presented in the Annual Meeting of Louisiana Association of Exercise Physiologists. New Orleans, Louisiana. EEUU. Study: “The St. James Project: Physical Functional Ability in a Group of Louisiana Senior”. **R. Reyes**, Welsch, M., Aucoin, N., Hirsche, E., LaBruzzo, A., Lee, M., Metoyer, K., Sebatien, A., and Wood, R.
- 1995 Universidad de Los Andes. Beca para realizar estudios doctorales en la Universidad del Estado de Louisiana-EEUU.

**E. Formación de Recursos Humanos:**

1. Tutor de la Tesis del Br. Enexis Antúnez, titulada: “*Características Físicas y Fisiológicas de los Jugadores Novatos y Expertos de la Selección de Voleibol de la Universidad de Los Andes*”. Trabajo presentado para optar al Título de: Licenciado en Educación, Mención Educación Física. Universidad de Los Andes. 2003.
2. Co-tutor de la Tesis de la Br. Yubisay Mejías Peña, titulada: “*Effectos de Entrenamiento Físico Aeróbico y la Restricción Calórica en la Producción Basal de Radicales Libres y en*

*la Capacidad Antioxidante Total en Ratas Wistar*". Trabajo presentado para optar al Título de: Licenciada en Educación, Mención Educación Física. Universidad de Los Andes. 2005

3. Co-tutor de la Tesis del Br. José G. Márquez D., titulada: "*Effecto de la Intensidad del Ejercicio Físico sobre la Respuesta Hemodinámica Inmediatamente después de la Actividad Físico-Corporal*". Trabajo presentado para optar al Título de: Licenciado en Educación, Mención Educación Física. Universidad de Los Andes. 2006.
4. Co-tutor de la Tesis del Br. David González Kleiss, titulada: "*Effecto del Ejercicio Físico Aeróbico sobre la Producción de Óxido Nítrico, Ácido Úrico, Actividad Antioxidante Total y Estrés Oxidativo en Saliva Humana*". Trabajo presentado para optar al Título de: Licenciado en Educación, Mención Educación Física. Universidad de Los Andes. 2006

**F. Sociedades Científicas y Profesionales:**

American College of Sport Medicine. Desde 1997 a la presente fecha

Southeast American College of Sport Medicine. Desde 1997 a la presente fecha

**G. Asistencia a Congresos:**

- 37 **R. Reyes**, K. E. Nichol, S. A. Spier, A. LeBlanc, J. Muller-Delp. *Effects of Age and Exercise Training on Nitric Oxide Bioavailability in Cerebral Resistance Arteries*. ACSM Conference on Integrative Physiology of Exercise. Discovery and Application of Cardiovascular, Pulmonary and Metabolic Science. Indianapolis, Indiana. EEUU. **2006**.
- 36 A.L. Sindler, S. Morgan, **R. Reyes**, J. Peterson, J.C. Frisbee, J. Muller-Delp, R.W. Bryner, S.M. Hileman. *Chronic Exercise Training Increases Insulin Sensitivity in Obese Zucker Rats Potentially Via Hypothalamic Adiponectin Receptor-1*. ACSM Conference on Integrative Physiology of Exercise. Discovery and Application of Cardiovascular, Pulmonary and Metabolic Science. Indianapolis, Indiana. EEUU. **2006**.
35. C. McCroskey, **R. Reyes**, A. LeBlanc, and Judy Muller-Delp. *Endothelial-Dependent and –Independent Vasodilation in Cerebral Resistance Arteries: Effects of Age and Estrogen Status*. 5th Annual WV-INBRE Summer Research Symposium. Robert C. Byrd Health Sciences Center. West Virginia University. Morgantown, West Virginia- EEUU. **2006**.
34. D. González-Kleiss, R. Marquina, N. Rondón, A.J. Rodríguez-Malaver, and **R. Reyes**. "*Efectos del Ejercicio Físico Aeróbico sobre el Óxido Nítrico, Ácido Úrico, Actividad*

- Antioxidante y Estrés Oxidativo en Saliva Humana*". Conferencia Annual de la Asociación Venezolana de Ciencias. Cumana-Venezuela. Noviembre, **2006**.
- 33 D. González-Kleiss, R. Marquina, N. Rondón, A.J. Rodríguez-Malaver, and **R. Reyes**. *Effects of Aerobic Exercise on Nitric Oxide, Uric Acid, Antioxidant Activity and Oxidative Stress in Human Saliva*. Joint 62<sup>nd</sup> Harden Conference/EMBO Workshop – NO; a radical in control. The biological diversity of nitric oxide metabolism and signaling. Royal Agricultural. Cirencester, UK. April 4-8, **2006**.
- 32 Y. Mejías, **R. Reyes**, y A. Rodríguez. *Effects of Aerobic Exercise Training and Caloric Restriction on Basal Free Radical Production and Total Antioxidant Activity in Male Wistar Rat*. Second Workshop on Comparative Aspects of Oxidative Stress in Biological Systems. La Paz, Baja California Sur, México. February 15-18, **2005**.
31. **R. Reyes**, M. Alomari, S. Zabic, L. Li, M. Welsch, and R. Wood. *Post-Exercise Hypotension after Resistance Exercise and Diminished Sympathetic Vascular Responsiveness in Older Women*. The 51<sup>st</sup> Annual National Meeting of ACSM. Indianapolis, Indiana. EEUU. **2004**.
- 30 **R. Reyes**, M. Alomari, S. Brady, L. Li, M. Welsch, and R. Wood. *Hemodynamic Response Following Resistance Exercise in Young and Older Adult Women*. The 50<sup>th</sup> Annual National Meeting of ACSM. San Francisco, CA. Maryland-EEUU, May 26- June 01. **2003**.
- 29 Muaz Khalil, **R. Reyes**, M. Alomari, R. Wood, S. Brady, and M.A. Welsch. *Relationship Between Cardiovascular Endurance and Forearm Vascular Function in Women*. The 50<sup>th</sup> Annual National Meeting of ACSM. San Francisco, CA. Maryland. May 26- June 01. **2003**.
- 28 **R. Reyes**, M. Alomari, R. Wood, and M. Welsch. *Effects of Age and Exercise Intensity on the Hemodynamic Response Following Resistance Exercise in Women*. The 31<sup>st</sup> Annual Meeting of the Southeast Chapter of the ACSM. Atlanta, Georgia. January, 25-27. **2003**.
- 27 M. Alomari, **R. Reyes**, R. Wood, and M. Welsch. *Short-Term Reliability of Forearm Venous Indices Using Strain Gauge Plethysmography: Influence of Handgrip Strength on Venous Outflow and Capacitance*. The 31<sup>st</sup> Annual Meeting of the Southeast Chapter of the ACSM. Atlanta, Georgia. January, 25-27. **2003**
- 26 S. Muaz Khalil, **R. Reyes**, M. Alomari, R. Wood, S. Brady, M.A. Welsch. *Relationship Between Cardiovascular Endurance and Forearm Vascular Function in Women*. The 31<sup>st</sup> Annual Meeting of the Southeast Chapter of the ACSM. Atlanta, Georgia. January, 25-27. **2003**.

- 25 **R. Reyes**, R.H. Wood, M.A. Welsch, R. Prisby, C.M. Lee, L. Johnson, M. Alomari, T. B. Clinkscales, R. Jackson. *Intensity-Dependent Hypotensive Response After Incremental Resistance Exercise in Older Adults*. The 48<sup>th</sup> Annual National Meeting of American College of Sports Medicine (Baltimore, Maryland. May 30- June 2. **2001**.
- 24 **R. Reyes**, M. Welsch, and R. Wood. *Gender Differences in the Blood Pressure Response to Incremental Resistance Exercise*. The 29<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Columbia, South Carolina. January, 25-27). **2001**.  
Student Research Presentations, Department of Physical Therapy, Louisiana State University-Health Science Center, School of Allied Health Professions, and Department of Kinesiology, Louisiana State University (New Orleans, LA. January, 18). **2001**.
- 23 R.H Wood, **R Reyes**, CM Lee, J Favalaro-Sabatier, M Sabatier, HA Kluess, MA Welsch. *Physical Functional Ability, Exercise, Training, and Heart Rate Variability Among Older Adults*The 48<sup>th</sup> Annual National Meeting of American College of Sports Medicine (Baltimore, Maryland. May 30- June 2). **2001**.
- 22 T.B. Clinkscales, **R. Reyes**, R.H. Wood, M.A. Welsch. *Influence of Intensity and Repetition Number on Cardiovascular Responses to Resistance Exercise in Older Adults*.. The 48<sup>th</sup> Annual National Meeting of American College of Sports Medicine. Baltimore, Maryland. May 30- June 2. **2001**
- 21 R.D. Prisby, **R.A. Reyes**, J.M. Eason\*, and A.G. Nelson. *Criteria for Assessing Skeletal Muscle Damage from Electron Micrographs*. Louisiana State University, Department of Kinesiology, Baton Rouge. \*Louisiana State University, Department of Physical Therapy, New Orleans, LA. Sponsor: Ellen Glickman-Weiss. The 48<sup>th</sup> Annual National Meeting of American College of Sports Medicine (Baltimore, Maryland. May 30- June 2. **2001**
- 20 C. King, R. Wood, **R. Reyes**. *Physical functional ability among rural- and urban-dwelling seniors in Southeastern Louisiana*. The 29<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine. Columbia, South Carolina. January, 25-27. **2001**
- 19 J. Favalaro-Sabatier, R.H. Wood. C.M. Lee, **R.Reyes**. *Physical functional and short-term heart rate variability in old age*. The 29<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine. Columbia, South Carolina. January, 25-27. **2001**.
- 18 **R. Reyes**, R. Wood, M.A. Welsch, L. Li, L. Johnson, C.M. Lee. *Effects of Physical Training Modalities on Functional Fitness in Older Adults*. The 47<sup>th</sup> Annual National

- Meeting of American College of Sports Medicine. Indianapolis, Indiana. May 31- June 3. **2000.**
- 17 C.M. Lee, R. Wood, H. Kluess, **R. Reyes**, M.A. Welsch. *Influence of Endurance and Strength Training on Heart Rate Variability And Forearm Vascular Reactivity in Older Adults*. The 47<sup>th</sup> Annual National Meeting of American College of Sports Medicine (Indianapolis, Indiana. May 31- June 3. **2000.**
  - 16 M. Burton, **R. Reyes**, M. Welsch, R. Wood. "Is The ACSM Prediction Equation for the Estimation of VO<sub>2</sub> During Treadmill Walking Appropriate for Apparently Healthy Older Adult".The 28<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine. Charlotte, North Carolina, January 27-29. **2000.**
  - 15 "*Does the AAHPERD Physical/Functional Test For Older Adults Really Measure Strength?*" M. Sabatier, **R. Reyes**, E. Hirschey, M. Welsch, R. Wood. Louisiana State University. Baton Rouge, Louisiana. The 28<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine. Charlotte, North Carolina, January 27-29. **2000**
  - 14 **R. Reyes**, M. Lee, L. Hernard, B. Maraj, M. Welsch, R. Wood.. *Age, Autonomic Function, and Reaction Time in Older Adults*. 46<sup>th</sup> Annual National Meeting of American College of Sports Medicine. Seattle, Washington. June, 2-5.**1999.**
  - 13 **R. Reyes**, E. Hirschey, A. Gray, M. Alomari, D. Bao, M. Frisarol, M. Welsch, R. Wood. *Physical Fitness and Perceived Quality of Life among Rural and Urban Louisiana Senior Women*. The 27<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Norfolk, Virginia, February, 4-6. **1999**
  - 12 R. Wood, B. Maraj, **R. Reyes**, C. M. Lee, L. Hernard, M. Welsch. *Physical Activity and Psycho-physiological variability in the elderly*. The 46<sup>th</sup> Annual National Meeting of American College of Sports Medicine. Seattle, Washington. June, 2-5. **1999.**
  - 11 M. Amaral-Melendez, G.T. McKnight, B.D. Franks, J. Dominguez, **R. Reyes** *Physiological and Psychological Responses to Sub-maximal Exercise at Different times in Renal Disease Patients..* The 46<sup>th</sup> Annual National Meeting of American College of Sports Medicine. Seattle, Washington. June, 2-5. **1999.**
  - 10 **Reyes, R.**, Welsch, M., Aucoin, N., Hirschey, E., LaBruzzo, A., Lee, M., Metoyer, K., Sebastien, A., Wood, R. "*The ST. James Project: Physical Functional Ability of Older Women in Louisiana*" The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine, Destin, Florida. **1998.**

- 09 Allen, J. D., **Reyes, R.**, Hirschey, E., LaBruzzo, A., Welsch, M., & Wood, R *Fitness Assessment and Independent Living in the Elderly..* The 45<sup>th</sup> Annual National Meeting of American College of Sports Medicine (Orlando, Florida, June, 3-6). **1998.**
- 08 Metoyer, K., Hirschey, E., Aucoin, N., LaBruzzo, A., Lee, M., **Reyes, R.**, Sebastien, A., Welsch, M., and Wood, R. *The St. James Place Project: Age Physical Fitness and Cognitive Performance in Elderly Women.* The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 07 Hirschey, E., Sebastien, A., Aucoin, N., LaBruzzo, A., Lee, M., Metoyer, K., **Reyes, R.**, Welsch, M., Wood, R. *The St. James Place Project: Cognitive Performance and Quality of Life in Elderly Women.* The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 06 Lee, M., Aucoin, N., Hemard, L., Holmes J., Maraj B., **Reyes, R.**, Welsch, M., Wood, R. *The St. James Place Project : Physical Functional Ability and Vagal Modulation of Heart Rate in the Elderly.* The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 05 Maraj B., Hemard, L., Holmes J., Lee, M., Aucoin, N., **Reyes, R.**, Welsch, M., Wood, R *The St. James Place Project: Reaction Time Measures in Functional Behavioral Assessment in the Elderly..* The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 04 LaBruzzo, A., Metoyer, K., Aucoin, N., Hirschey, E., Lee, M., **Reyes, R.**, Sebastien, A., Welsch, M., Wood, R *The St. James Place Project: Physical Functional Ability, Physical Activity, and Self-efficacy for Exercise in Elderly Women.* .. The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 03 Kluess, H., Wood, R., Aucoin, N., Hirschey, E., LaBruzzo, A., Metoyer, K., Lee, M., **Reyes, R.**, Sebastien, A., Welsch, M. *The St. James Place Project: Physical Function, Perceived Quality of Life, and Presence of Comorbidity in Senior Citizens.* The 26<sup>th</sup> Annual Meeting of the Southeast Chapter of the American College of Sports Medicine (Destin, FL). **1998.**
- 02 Majaj, B.K.V., Hemard, L.N., **Reyes, R.**, Holmes, J., Lee, M., Bao, D., Wood, R.. *Neuromotor Assessment of Elderly and Young Populatiois. Journal of Sport and Exercise Psychology.* **20:** 140 Suppl. S 1998. The National Annual Meeting of the North American



Society for the Psychology of Sport and Physical Activity (NASPSPA) Penny McCullagh. University of Colorado. **1998**.

01. **Reyes, R.**, Welsch, M., Aucoin, N., Hirschey, E., LaBruzzo, A., Lee, M., Metoyer, K., Sebastien, A., and Wood, R. "The ST. James Project: Physical Functional Ability in a group of Louisiana Senior". The Annual Meeting of the Louisiana Association of Exercise Physiologist (New Orleans, LA. **1997**).

## **H) Publicaciones:**

### **1. Revistas**

- 1.1 A.J. Rodríguez-Malaver, D. González, R. Marquina, N. Rondón, and **R. Reyes**. Effect of Aerobic Exercise on nitric oxide, uric acid, antioxidant activity and oxidative stress in human saliva. *Nitric Oxide*. Volume 14. Issue 4. P137. Page 62. June 2006
- 1.2 M. Alomari, A. Solomito, **R. Reyes**, M. Khalil, R. Wood, and M.A. Welsch. Measurements of Vascular Function using Straing-Gauge Plethysmography: Technical Considerations, Standardization and Physiological Findings. *American Journal of Physiology: Heart, and Circulation Physiology*. **286**: H99-H107. 2004
- 1.3 R. Wood, B. Maraj, C.M., Lee, **R. Reyes**. Short-term Heart Rate Variability during a Cognitive Challenge in Young and Older Adults. *Age and Ageing*. **31**: 131-135. 2002
- 1.4 **R. Reyes**. Weight training and blood pressure. *Prevention*. February, 2002. Article of opinion published by the editor of the in the magazine.2002.
- 1.5 R.H. Wood, **R. Reyes**, M. Welsch, J. Sabatier, M. Sabatier, C. Matthew Lee, L. Johnson, P. Hooper. Concurrent cardiovascular and resistance training in healthy older adults. *Medicine and Science in Sports and Exercise*. **33**: 1751-1758. 2001.
- 1.6 R.H. Wood, **R. Reyes**, K. Metoyer, and M. Welsch. Physical Fitness, Cognitive Function, and Health-Related Quality of Life in Older Adults. *Journal of Aging and Physical Activity*. **7**: 217-230. 1999.
- 1.7 **Reyes, R.**, Welsch, M., Aucoin, N., Hirschey, E., LaBruzzo, A., Lee, M., Metoyer, K., Sebastien, A., and Wood, R. The ST. James Project: Physical Functional Ability of Older Women in Louisiana". *LAHPERD Journal*. **63**: 14-17. 1999

- 1.8 H. Kluess, R. Wood, N. Aucoin, E. Hirschey, A. LaBruzzo, C.M. Lee, K. Metoyer, **R. Reyes**, and A. Sebastien. Physical Function, Perceived Quality of Life, and Presence of Disease in Louisiana Senior Citizens. *Louisiana Association for Health, Physical Education, Recreation, and Dance*. **62**: 5-7, 14. 1998.