

# **Linda M.-D. Nguyen, PhD.**

## *Curriculum Vitae*

### **ADDRESS**

FLG 100 Stadium Rd.  
Gainesville, FL 32611

**Nationality:** Canadian

**Telephone:** (352) 294-1723

**Email:** linda.nguyen@ufl.edu

### **EDUCATION**

**May 2010-Dec. 2015**

#### **Doctor of Philosophy**

Advisor: Dr. Peter J. Adhihetty

Dissertation: **Skeletal muscle mitochondrial function and regulation in chronic heart failure.**

Concentration: Exercise Physiology

Department of Applied Physiology and Kinesiology, College of Human Health and Performance, University of Florida, FL

**Sept. 2007 - Mar. 2010**

#### **Master of Science**

Advisor: Dr. David A. Hood

Thesis: **Contractile activity-induced gene expression in fast- and slow-twitch muscle.**

Department of Kinesiology and Health Science, York University, Toronto, ON, Canada

**Sept. 2003 – Apr. 2007**

#### **Honors Bachelor of Science, Kinesiology/Classical Studies Minor**

Faculty of Applied Health Science, University of Waterloo, Waterloo, ON, Canada

### **ACADEMIC TEACHING EXPERIENCE**

**Aug. 2017 – Present**

**Instructional Assistant Professor**, Department of Applied Physiology & Kinesiology (APK), University of Florida, Gainesville, FL

- APK2100c – Applied Human Anatomy w/ Lab
- APK2105c – Applied Human Physiology w/Lab
- APK4112 – Advanced Exercise Physiology
- APK4943 – Teaching Experience in APK
- APK6116 – Physiological Basis of Exercise
  - This online course has attained an Exemplary course designation from the University of Florida Quality Assurance Committee for online course design and quality online learning experiences
- Supervising Faculty Member for Undergraduate Labs (APK2100c, APK2105c, APK4125c)

**Aug. 2016– Aug. 2017**

**Adjunct Assistant Professor**, Sciences for Health Programs Department, Santa Fe College, Gainesville, FL

- BSC2085 - Anatomy and Physiology I

- Aug. – Dec. 2013**      **Teaching Assistant**, Dept. of Applied Physiology and Kinesiology, University of Florida, Gainesville, FL
- APK3163 - Sports Nutrition
- Sept. 2007 - Apr. 2009**      **Teaching Assistant** – Lab Demonstrator, School of Kinesiology and Health Science, York University, Toronto, Canada
- KINE4010 - Exercise Physiology
  - KINE3012 – Human Physiology

### **ACADEMIC LEADERSHIP AND SERVICE**

- UF Teaching Excellence Faculty Fellow (Aug. 2022 – Present)
- UF Strategic Communications Academy for UF Leaders and Scholars (March 2022-Present)
- Sports Management (SPM) Lecturer Search Committee – External Member – Oct. 2022-Feb. 2023
- UF International Center – Outstanding Undergraduate International Student Awards
  - Awards Reviewer – Oct. 2021
- HHP-APK I.D.E.A Liaison and Equity Adviser – July 2021 - Present
- APK Academic Adviser II Hiring Search Committee Chair – Oct. 2020 – Feb. 2021
- APK PhD Evaluation Committee/TA Selection – Aug. 2020-Present
- APK Inclusivity, Diversity, Equity and Accessibility Committee
  - Committee Chair – May 2021 - Present
  - Committee Member - Aug. 2020 – May 2020
- Instructional Faculty Mentor
  - Mentor for junior instructional APK faculty
  - Have provided peer course evaluations for faculty
- UF Faculty Adviser for Student Organization – ACTIVE – Oct. 2019-April 2020
- APK Undergraduate Curriculum Committee Member – Aug. 2017-Present
- UF Graduation Marshall
- APK Liaison for the UF University Athletic Association (UAA)

### **GUEST LECTURES, SPEAKING ENGAGEMENTS**

- June 21<sup>st</sup>-25<sup>th</sup>, 2021**      **I AM STEM Camp** – Developed and delivered Anatomy and Physiology lessons and activities to middle school aged campers (60 minutes per day)
- July 13, 2012**      **Principles of Strength Training and Conditioning** (APK 3113; University of Florida) *Topic:* Bioenergetics (75mins lecture – enrolment – 24)
- June 27- July 1/11**      **Physiology of Exercise and Training** (APK 3110C; University of Florida). *Topics:* Homeostasis; Bioenergetics; Exercise Metabolism (five-75 mins. lectures; enrollment – 35)

### **PROFESSIONAL DEVELOPMENT**

- UF Teaching Excellence Faculty Fellow (Aug. 2022 – Present)

- Provide helpful feedback for continuous course improvement for online courses and online instruction
  - Ambassador for the UF Quality Matters course review process
  - Member of the nominating committee for the Online Teaching Excellence award and a member of the Exemplary Online Awards selection committee
- Strategic Communications Academy for UF Leaders and Scholars (March 2022-September 2022)
- UF Center for Teaching Excellence – Passport to Great Teaching Program (May 2021 – Present)
  - Earned a Student Focused Teaching Badge from the UF Office of Professional and Workforce Development
- UF Center for Teaching Excellence for a UF + Quality Matters course review for APK6116 (online MS APK program) (May 2021-Present)
- UF Center for Online Innovation and Production (COIP) – (May 2018-Present) - recorded instructional videos and lab content for use in the UF Online (UFO) and residential APK2100c and APK2105c courses
- 2019 UF Interface Meeting (April 23, 2019) – “*Learning Beyond 4 Walls*” - Attendee
- 2019 UF Assessment Meeting (April 5, 2019) – “*Assessment in Higher Education: Enhancing Institutional Excellence*” - Attendee
- Teaching Enhancement Symposium (Aug. 14, 2018) – Meeting focusing on mentoring, and innovations in the classroom, field and online as well as student engagement in the classroom and designing effective courses and curricula.
- 2018 UF Assessment Meeting – conference focusing on the use of various assessment methodologies/processes and their utilization to maximize and improve student learning while enhancing program excellence
- 2018 UF Interface Meeting – “Student Voices Transform Teaching” – Meeting focusing on the importance of and how to integrate student feedback into courses
- First Year Faculty Teaching Academy (Sept-Dec. 2017) – Workshop series developed by the Office of Faculty Development and Teaching Excellence designed for faculty in their first years of teaching at UF
- Active Shooter Training – A workshop led by the UF Police Dept. to help the university community understand an active shooter situation and the appropriate response procedures

## **AWARDS AND HONORS**

**July 2022**

**2022 Career Influencer Award – Faculty Division** – *was nominated by students in recognition of the exceptional impact on career development and student success at the University of Florida*

<b>Dec. 2021</b>	<b>HHP Teacher of the Year Nominee</b> – <i>was nominated by a former APK student in recognition of excellence, innovation, and effectiveness in undergraduate teaching</i>
<b>Dec. 2, 2019</b>	<b>Anderson Scholar Faculty Honoree – University of Florida</b> - <i>was recognized by multiple students with at least a 3.90 GPA from the previous academic year (2018-2019) as a faculty member who had been inspiring or influential in their academic career.</i> <i>*The Anderson Scholars award was discontinued after 2019</i>
<b>Nov. 20, 2018</b>	<b>Anderson Scholar Faculty Honoree – University of Florida</b> – <i>recognized by a student that is a recipient of the College of Liberal Arts and Sciences (CLAS) Anderson Scholar Certificate of Distinction, High Distinction, and Highest Distinction to those students who have maintained a full, uninterrupted course load and at least a 3.90, 3.95, and 4.00 GPA, respectively, during their first two years at UF. Recipients are given an opportunity to identify one faculty member who has been particularly inspiring or influential.</i>
<b>Sept. 12, 2014</b>	<b>C.A. Boyd Scholarship – College of Health and Human Performance – University of Florida</b> - <i>recognizes a graduate student within the College of Health and Human Performance demonstrating outstanding character with a strong commitment to serve their profession; scholarship is for the 2014-2015 academic year.</i>
<b>Nov. 21, 2013</b>	<b>University of Florida - College of Health and Human Performance – Certificate of Outstanding Academic Achievement – International Student Award</b>
<b>Sept. 21, 2013</b>	<b>Dr. Norma M Leavitt Endowed Scholarship – College of Health and Human Performance – University of Florida</b> – <i>recognizes a graduate student within the College of Health and Human Performance demonstrating outstanding character with a strong commitment to serve their profession; scholarship is for the 2013-2014 academic year.</i>
<b>April 2013</b>	<b>2013 UF- Howard Hughes Medical Institute (HHMI) Science for Life Graduate Student Award</b> - <i>Award recognizes graduate students who participate in research and publication opportunities in the life sciences in collaboration with undergraduate students.</i>
<b>Nov. 17, 2011</b>	<b>University of Florida - College of Health and Human Performance – Certificate of Outstanding Academic Achievement – International Student Award</b>
<b>April 2011</b>	<b>University of Florida International Center – Certificate of Outstanding Academic Achievement.</b> <i>Achievement in obtaining a 4.0 GPA.</i>

## **PUBLICATIONS**

7. Joseph A.-M., **Nguyen L. M.-D.**, Welter A. E., Dominguez II J.M., Behnke B.J., Adhihetty P.J. Mitochondrial adaptations evoked with exercise are associated with a reduction in age-induced testicular atrophy in Fischer-344 rats. *Biogerontology* 15(5):517-34, 2014. Impact factor: 3.010.
6. **Nguyen L. M.-D.**, Malamo A.G., Larkin-Kaiser K.A., Borsa P.A., Adhihetty P.J. Effect of near-infrared light exposure on mitochondrial signaling in C2C12 muscle cells. *Mitochondrion* 14(1): 42-8, 2014. Impact factor: 4.025.
5. McCullough D.J., **Nguyen L. M.-D.**, Siemann D.W., Behnke B.J. Effects of exercise training on tumor hypoxia and vascular function in the rodent pre-clinical orthotopic prostate cancer model. *J Appl Physiol* 115(12):1846-54, 2013. Impact factor: 3.484.
4. Joseph A.-M., Malamo A.G., Silvestre J., Wawrzyniak N., Carey-Love S., **Nguyen L. M.-D.**, Dutta D., Xu J., Leeuwenburg C., Adhihetty P.J. Short-term calorie restriction, resveratrol, or combined treatment regimens initiated in late-life alter mitochondrial protein expression profiles in a fiber-type specific manner in aged animals. *Experimental Gerontology* 48(9): 858-68, 2013. Impact factor: 3.944.
3. Joseph A.-M., Adhihetty P.J., Buford T.W., Wohlgemuth S.E., Lees H.A., **Nguyen L. M.-D.**, Aranda J.M., Sandesara B.D., Pahor M., Manini T.M., Marzetti E., Leeuwenburgh C. Mitochondrial function is preserved in skeletal muscle from sedentary high- compared to low-functioning elderly individuals. *Aging Cell* 11(5):801-9, 2012. Impact factor: 6.265.
2. **Nguyen L. M.-D.** and D. A. Hood. Contractile activity-induced gene expression in fast- and slow-twitch muscle. *Appl Physiol Nutr Metab* 36 (2): 233-41, 2011. Impact factor: 2.401.
1. Ljubcic V., Joseph A.M., Saleem A., Ugucioni G., Collu-Marchese M., Lai R.Y., **Nguyen L. M.-D.** and D.A. Hood. Transcriptional and post-transcriptional regulation of mitochondrial biogenesis in skeletal muscle: effects of exercise and aging. *Biochim Biophys Acta* 1800 (3): 223-34, 2010. Impact factor: 5.000.

## **ABSTRACTS AND PRESENTATIONS**

31. **Nguyen L.M.-D.**, Spradlin R. A., Wawryzniak N.R, Joseph A.M, Carter C. S., Leeuwenburgh C. and P.J. Adhihetty. Chronic heart failure evoked by monocrotaline administration causes differential mitochondrial adaptations in young and aged skeletal muscle. *6th Annual Spotlight on Aging Research – Institute on Aging, University of Florida*, Sept. 30, 2015.
30. Spradlin R.A., **Nguyen L.M.-D.**, McCullough D.J., Behnke B.J. and P.J. Adhihetty. How prostate tumor growth and mitochondrial bioenergetics are affected by exercise. *UF-University Scholars Program – Undergraduate Research Symposium*, March 18, 2015.

29. Olson M.A., **Nguyen L.M.-D.**, Larkin-Kaiser K.A., Borsa P.A. and P.J. Adhihetty. Effect of single versus dual wavelength laser exposure on mitochondrial-associated signaling in C<sub>2</sub>C<sub>12</sub> muscle cells. *UF-University Scholars Program – Undergraduate Research Symposium*, March 18, 2015.
28. Goss L.R., **Nguyen L.M.-D.**, Joseph A.M., Ferreira L.F. and P.J. Adhihetty. Effect of chronic heart failure on mitochondrial function and apoptotic susceptibility in rat skeletal muscle. *UF-University Scholars Program – Undergraduate Research Symposium*, March 18, 2015.
27. **Nguyen L.M.-D.**, Joseph A.M., Welter A.E., Dominguez II J.M., Behnke B.J. and P.J. Adhihetty. Exercise training evokes mitochondrial adaptations and attenuates age-associated testicular atrophy in aged Fischer-344 rats. *ACSM Integrative Physiology of Exercise Meeting*, Miami Beach, Florida, Sept. 17-20, 2014.
26. **Nguyen L.M.-D.**, McCullough D.J., Joseph A.M., Behnke B.J., and P.J. Adhihetty. Effect of prostate cancer on skeletal muscle mitochondrial regulation and function following exercise training in a rodent model. *Experimental Biology Meeting 2014*, San Diego, CA, Apr. 26-30, 2014.
25. Wawrzyniak N.R., Duarte A., **Nguyen L.M.-D.**, Joseph A.M., Layne A.S., Criswell D.S., and P.J. Adhihetty. Effect of short-term dietary curcumin supplementation on mitochondrial regulatory proteins in muscle and brown adipose tissue of aged mice. *Experimental Biology Meeting 2014*, San Diego, CA, Apr. 26-30, 2014.
24. **Nguyen L.M.-D.**, Joseph A.M. and P.J. Adhihetty. Potential ergogenic effect of pyrroloquinone quinone (PQQ) on C<sub>2</sub>C<sub>12</sub> skeletal muscle cells. *Stanley Lecture Symposium – University of Florida*, Gainesville, FL, March 27 2014.
23. Dickson K.A., Elannan A.H., **Nguyen L.M.-D.**, Joseph A.M., Wawrzyniak N.R., Khamiss D., Morgan D., Carter C. and P.J. Adhihetty. Effect of short-term intermittent feeding on mitochondrial adaptations in skeletal muscle of young and old rats. *Stanley Lecture Symposium – University of Florida*, Gainesville, FL, March 27 2014.
22. Olson M.A., **Nguyen L.M.-D.**, Joseph A.M., Ahn B., Ferreira L.F. and P.J. Adhihetty. Effect of chronic heart failure on skeletal muscle fiber type size and composition in rats. *Stanley Lecture Symposium – University of Florida*, Gainesville, FL, March 27 2014.
21. **Nguyen L. M.-D.**, McCullough D.J., Goss L., Olson M., Joseph A.M., Behnke B.J. and P.J. Adhihetty. Effect exercise on prostate cancer-induced changes in the mitochondrial profile of rodent skeletal muscle. *13th Biennial Advances in Skeletal Muscle Biology in Health and Disease Meeting*, University of Florida, Gainesville, FL, March 5-7, 2014.
20. Gentilella A.K., **Nguyen L. M.-D.**, Dickson K.A., Joseph A.M., Khamiss D., Morgan D., Carter C. and P.J. Adhihetty. Effect of rapamycin on the mitochondrial profile in skeletal muscle of aged rats. *13<sup>th</sup> Biennial Advances in Skeletal Muscle Biology in Health and Disease Meeting*, University of Florida, Gainesville, FL March 5-7, 2014.
19. Malamo A.G., Silvestre J., Adams M.E., **Nguyen L.M.-D.**, Joseph A.M., Dutta D., Xu J., Dirain M.L., Tuckerman D.M., Leeuwenburgh C. and P.J. Adhihetty. Effect of resveratrol and caloric restriction on mitochondrial regulation and apoptotic susceptibility

in aged rat skeletal muscle. *University of Florida – Institute of Aging – Spotlight on Aging Research Day*, Sept. 9, 2013.

18. Malamo A.G., Carey-Love S., Wawrzyniak N., Silvestre J., **Nguyen L. M.-D.**, Joseph A.M., Dutta D., Xu J., Leeuwenburgh C. and P.J. Adhihetty. Effect of resveratrol and caloric restriction on mitochondrial regulation within different adipose tissues in aged rats. *FASEB J* 27:1b717, 2013 (*Experimental Biology*, Boston, MA, Apr. 20-24, 2013).
17. **Nguyen L.M.-D.**, Joseph A.M., Carey-Love S.D., Ahn B., Ferreira L.F. and P.J. Adhihetty. Effect of chronic heart failure on mitochondrial function and apoptotic susceptibility in rat skeletal muscle. *FASEB J* 27:1209.19, 2013 (*Experimental Biology*, Boston, MA, Apr. 20-24, 2013).
16. **Nguyen L.M.-D.**, Larkin K.A., Borsa P.A. and P.J. Adhihetty. Effect of photo-irradiation on mitochondrially-associated signalling in C2C12 muscle cells. *FASEB J* 26:1086.22, 2012 (*Experimental Biology*, San Diego, CA, Apr. 21-25).
15. Welter A.E., **Nguyen L.M.-D.**, Behnke B.J., Dominguez J.M. and P.J. Adhihetty. Effect of exercise on the mitochondrial profile of testicular tumors in aged Fischer 344 rats. *FASEB J* 26:1142.6, 2012 (*Experimental Biology*, San Diego, CA, Apr. 21-25).
14. Malamo A.G., Silvestre J., Adams M.E., **Nguyen L.M.-D.**, Joseph A.M., Dutta D., Xu J., Dirain M.L., Tuckerman D.M., Leeuwenburgh C. and P.J. Adhihetty. Effect of resveratrol and caloric restriction on mitochondrial regulation and apoptotic susceptibility in aged rat skeletal muscle. *FASEB J* 26:1077.5, 2012 (*Experimental Biology*, San Diego, CA, Apr. 21-25).
13. **Nguyen L.M.-D.**, Larkin K.A., Borsa P.A. and P.J. Adhihetty. Effect of phototherapy on mitochondrially-mediated signaling in C2C12 skeletal muscle cells. *Stanley Lecture – College of Health and Human Performance Research Day*, Apr. 12 2012.
12. Tuckerman D.M., **Nguyen L.M.-D.**, Ferreira L.F., Ahn B. and P.J. Adhihetty. Effect of chronic heart failure on mitochondrial function and apoptotic susceptibility in rat skeletal muscle. *Stanley Lecture – College of Health and Human Performance Research Day*, Apr. 12, 2012.
11. Welter A.E., **Nguyen L.M.**, Behnke B.J., Dominguez J.M. II, and P.J. Adhihetty. Alterations in mitochondria-mediated signaling and regulation in tumorous testes in aged Fischer 344 rats with exercise. *Stanley Lecture-College of Health and Human Performance Research Day*, Apr. 12, 2012.
10. Malamo A.G.,Silvestre J., Adams M.E., **Nguyen L.M.**, Joseph A.M., Dutta D., Xu J., Dirain M.L.,Tuckerman D.M., Leeuwenburgh C., P. J. Adhihetty. Resveratrol- and caloric restriction-induced mitochondrial alterations and apoptotic signaling in aged Fisher 344 rats. *Stanley Lecture-College of Health and Human Performance Research Day*, Apr. 12, 2012.
9. Welter A.E., **Nguyen L.M.**, Behnke B.J., Dominguez J.M. II, and Peter J. Adhihetty. Alterations in mitochondria-mediated signaling and regulation in tumorous testes in aged Fischer 344 rats with exercise. *Undergraduate Research Symposium*, March 30, 2012.

8. Malamo A.G., Silvestre J., Adams M.E., **Nguyen L.M.**, Joseph A.M., Dutta D., Xu J., Dirain M.L., Tuckerman D.M., Leeuwenburgh C., P. J. Adhihetty. Resveratrol- and caloric restriction-induced mitochondrial alterations and apoptotic signaling in aged Fisher 344 rats. *Undergraduate Research Symposium*, March 30, 2012.
7. Silvestre J., Adams M.E., **Nguyen L.M.-D.**, Joseph A.M., Behnke B.J., Dutta D., Xu J., Dirain M.L., Leeuwenburgh C. and P.J. Adhihetty. The effect of resveratrol treatment and caloric restriction on doxorubicin-induced toxicity in aged rat skeletal muscle. *Sports Research Unit of the Athens Institute for Education and Research (ATINER)*, Athens, Greece, June 27-30, 2011.
6. **Nguyen L.M.-D.**, Behnke B.J., Dominguez J.M. and P.J. Adhihetty. Effect of exercise on mitochondrial regulation in tumorigenic testes of aged Fisher 344 rats. *FASEB J* 25: 1107.17, 2011 (*Experimental Biology*, Washington D.C., Apr. 21-25).
5. Schwagerl P.J., Talbert E.E., **Nguyen L.M.-D.**, Powers S.K. and L.F. Ferreira. Sphingomyelinase promotes atrophy in C2C12 myotubes. *FASEB J* 25: 1b602, 2011 (*Experimental Biology*, Washington D.C., Apr. 21-25).
4. **Nguyen L.M.-D.**, Stabley J.N., Kavazis A.N., Delp M.D. and P.J. Adhihetty. Effect of microgravity on mitochondrial-associated apoptotic and autophagic markers in cardiac and skeletal muscle. *Canadian Society of Exercise Physiology Conference*, Toronto, Canada, Nov. 3-5 2010.
3. **Nguyen L.M.-D.**, Adhihetty P.J., Hennessey T.M., Ho D.J., Calingasan N.Y., Yang W.X. and F.M. Beal. Effect of metformin treatment on skeletal muscle cell death pathways in Huntington's disease. *ACSM Integrative Physiology of Exercise Meeting*, Miami Beach, Florida, Sept. 22-25, 2010.
2. Adhihetty P.J., Gilbert L.A., Korattiyil M.M., Ajufo E.E., Myers L.J., Iorio L.M., Adams M.E., Parker J.D., Perez A.K., Nakamoto K.E., **Nguyen L.M.-D.**, Calingasan N.Y., Yang W.X. and F.M. Beal. Effect of chronic metformin treatment in muscle and brown adipose tissue in Huntington's disease. *Integrative Physiology of Exercise Meeting*, Miami Beach, Florida, Sept. 22-25, 2010.
1. **Nguyen L. M.-D.**, and D.A. Hood. Contractile activity-induced Egr-1 expression in fast- and slow-twitch muscle. *Ontario Exercise Physiology Conference*, Barrie, Canada, Jan. 23-25, 2009.