

Fitia Liantsoa Razafimanjato

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Education

Texas Tech University, Lubbock, TX Ph.D. Candidate, Nutritional Biochemistry and Physiology	August 2021 - Present
Institute of Tropical Odontology Stomatology of Madagascar Doctor of Dental Surgery	2016 - 2021
Texas Tech University, Lubbock, TX B.S. Nutritional Sciences and Pre-Professional Health, minoring in Biology sciences	2013 - 2015
Cisco College, Abilene, TX Associate Degree of Art	2010 - 2012
Abilene Christian University, Abilene, TX Biology major and English as a Second Language	2008 - 2010

Research Experience

Texas Tech University: Undergraduate Research Assistant College of Human Sciences, Nutritional Sciences Department Title: <i>"Effects of an Omega-3 Polyunsaturated Fatty Acids, Eicosapentaenoic Acid, on Brown Adipose Tissue as a Novel Target for Obesity and Metabolic Disorders."</i> Mentors: Dr. Naima Moustaid-Moussa, Mandana Pahlavani, and Dr. Latha Ramalingam <u>Submitted an abstract to participate in the undergraduate research exhibition in March 2015</u>	June 2014 – May 2015
Texas Tech University: Summer Research Institute National Wind Resources Center Title: <i>"Brown Adipose Tissue as a Novel Target for Obesity and Metabolic Disorders: Regulation by Omega-3 Polyunsaturated Fatty Acids."</i> Mentors: Dr. Naima Moustaid-Moussa and Mandana Pahlavani Awarded the "The Cash Family Award of the Best Contribution in Medicine."	June 2014 – August 2014

Research Publications & Presentations:

Manuscripts:

1. **Razafimanjato, F.**, Pahlavani, M., Moustaid-Moussa, N., *"Brown Adipose Tissue as a Novel Target for Obesity and Metabolic Disorders: Regulation by Omega-3 Fatty Acids"*.
Manuscript submitted for publication in the proceedings of the 2014 National Wind Resource Center (NWRC) Summer Research Institute Program, Texas Tech University.

2. Pahlavani, M., **Razafimanjato, F.**, Kalupahana, N., Ramalingam, L., Moussa, H., Scoggin, S. and Moustaid-Moussa, N. *“Eicosapentaenoic Acid Regulates Brown Adipose Tissue Metabolism in High Fat Fed Mice and in Clonal Brown Adipocytes”*. J. Nutr. Biochem., 39:101-109, 2017”
3. Pahlavani, P. *, **Razafimanjato, F.*** Pham, K., Ramalingam, L., Moustaid-Moussa, N. *“Brown Adipose Tissue, a Novel Target for Obesity: Physiology and Mechanisms of Nutritional and Hormonal regulation”*. Manuscript (review paper) in preparation.

Abstracts:

1. **Razafimanjato, F.**, Pahlavani, M., Scoggin, S., Kalupahana, S., Ramalingam L., Moustaid-Moussa, N. Effects of an Omega 3 Fatty Acid, Eicosapentaenoic Acid on Brown Adipose Tissue, A Novel Target for Obesity and Metabolic Disorders.
Abstract submitted and accepted for presentation during the 2015 TTU Undergraduate Research Exhibition (Poster, March 2015).
2. Pahlavani, M., **Razafimanjato, F.**, Kalupahana, N.S., Scoggin, S., Ramalingam, L., and Moustaid-Moussa, N. Eicosapentaenoic acid increases thermogenic markers in brown adipose tissue from high fat fed mice and in cultured brown adipocytes. The Obesity Annual Session, 2015, Los Angeles, T-P-LB-3865
3. Pahlavani, M., **Razafimanjato, F.**, Kalupahana, NS., Scoggin, S., Ramalingam, L., and Moustaid-Moussa, N. Eicosapentaenoic acid increases brown adipose tissue thermogenic markers in high fat fed mice. Experimental Biology Conference, 2015, Boston, The FASEB Journal, Vol. 29 no. 1 Supplement 750.9.
4. Pahlavani, M., **Razafimanjato, F.**, Kalupahana, NS., Scoggin, S., Ramalingam, L., and Moustaid-Moussa, N. Eicosapentaenoic acid increases brown adipose tissue thermogenic markers in high fat fed mice. Obesity Research Cluster (ORC), Annual Meeting, 2015, Texas Tech University, Lubbock, TX (Published in ORC conference booklet, 2015).

Work Experience

Private dental Office, Antananarivo, Madagascar General dentist	2020 – 2021
Variety of Hospitals, Antananarivo, Madagascar Medical doctor assistant	2017 – 2019
Texas Tech University, Lubbock, TX Student assistant for the Research Development Team, Office of the Vice President for Research	2014 – 2015
Cisco College, Abilene, TX Tutor and French translator	2010 – 2012
Abilene Christian University, Abilene, TX Academic Student helper	2009 – 2010

Awards and Honors

Texas Tech University, Lubbock, TX Distinguished Graduate Student Assistantship	Present
Institute of Tropical Odontology Stomatology of Madagascar Outstanding Student in Odontology Stomatology 2019	November 2019
Texas Tech University: College of Human Sciences Outstanding Senior Award in Nutritional Sciences 2015	April 2015
Texas Tech University: Summer Research Institute Paid Summer Research Internship (Competitive application and selection)	June 2014 – August 2014
Texas Tech University: Summer Research Institute <u>The Cash Family Award of the Best Contribution in Medicine.</u> Awarded during the symposium and awards ceremony for the Engineering and Medicine Summer Institute for research and presentation on <i>“Effects of an Omega-3 Polyunsaturated Fatty Acids, Eicosapentaenoic Acid, on Brown Adipose Tissue as a Novel Target for Obesity and Metabolic Disorders.”</i>	August 2014
Texas Tech University, Lubbock, TX Phi Upsilon Omicron Honor Society – Omega Chapter Recipient of Proven Achiever Scholarship, four semesters Dean’s list, Fall semester 2013	2012-2014
Cisco College, Abilene, TX Phi Theta Kappa Honor Society – Alpha Gamma Gamma Chapter Dean’s list, four semesters	2010 - 2012
Abilene Christian University, Abilene, TX Phi Eta Sigma Honor Society Recipient of Leadership Community Scholarship, four semesters	2008 - 2010

Language Skills

Proficient in three languages including English, French and Malagasy

Service and other Extracurricular Activities

• Co-leader, International Student Fellowship, Lubbock, TX	Present
• Member, Rotary Club Antananarivo Maroloko, Madagascar	Spring 2020 – Spring 2021
• Member, Bible Study Fellowship, Antananarivo, Madagascar	Fall 2019 – Spring 2021
• Co-leader and fundraiser campaign, helping professional health for fighting against Covid-19 Providing food and different protection materials for Health providers in hospitals	Spring 2020
• Leader, small group of English bible study, Mahajanga, Madagascar	Spring 2019 – Fall 2020
• Dental mission work, Antananarivo, Madagascar	Spring 2019

Giving free dental work in few needed areas	
• Medical doctor assistant, University Hospitals, Mahajanga, Madagascar	Spring - Fall 2019
• Dental mission work, Antananarivo & Mahajanga, Madagascar	Spring 2018
Giving free dental work in few needed areas	
• Nurse internship, Centre Hospitalier-Universitaire J.R.A, Antananarivo, Madagascar	Spring 2017
• Treasurer, Association des étudiants en dentaire (ASED), Mahajanga, Madagascar	Spring 2017 – Spring 2018
• Co-organizer for a formation of IKEBANA floral art, Antananarivo, Madagascar	Fall 2015
• Member, Young African Leader International (YALI), Mahajanga, Madagascar	Fall 2016 – Fall 2017
• Participant, American Heart Association - Heart Walk, Lubbock, TX	Fall 2014
• Dental assistant, Texas Mission of Mercy, Houston, TX	Spring 2014
• International Student Ambassador, Texas Tech University, Lubbock, TX	Spring 2014 – Spring 2015
• Student Leader, Christ in Action campus ministry, Lubbock, TX	Spring 2014 – Spring 2015
• Student Leader, International Student Fellowship, Lubbock, TX	Fall 2013 – Spring 2015
• Treasurer, Students for Global Connections, Texas Tech University	Fall 2013 – Fall 2014
• United Future Leader (UFL), Texas Tech University	Fall 2013 – Spring 2014
Delivering leadership program to 5 th and 6 th grade to Elementary Schools	
• WATS Day, Abilene, TX	Spring 2012
Serving food and playing with the refugees' kids from Nepal	
• Volunteer, interior design project: renewing a house of family in need	Spring 2012
• Participant, Walk for Autism Speak, Abilene, TX	Fall 2011 – Spring 2012
• Volunteer, a local orphanage, Betikara, Madagascar	Summer 2011
• Co-leader, Neighborhood Landscape Projects WATS Day, Abilene, TX	Spring 2011
Helping the neighborhood in garden landscape	
• Participant for entertainment for Fundraising dinner for orphanage in Kenya	Spring 2011
• Catered Global Samaritan fundraising dinner, Abilene, TX	October 2010
• Volunteer Work, Orphanage "His House", Miami, FL	Spring 2010
Renewing and painting some playground equipment for the orphanage	
Cleaning and loading furniture for some home of the orphans	
• Volunteer, Woodson Pre-Kindergarten School, Abilene, TX	Spring 2010
Reading stories to children	
• Volunteer, Boys and Girls Club, Abilene, TX	Spring 2010
Reading stories to children	
• Participant, Culture Show, Abilene Christian University, Abilene, TX	Fall 2009 – 2011
• Member, International Student Association at Abilene Christian University	Fall 2008 – Spring 2010