PROFESSIONAL SKILLS

Continuous learning
Self-evaluation and on-going improvement
Motivational skills
Analytical skills
Critical thinking
Teamwork
Problem solving
Conflic resolution
Prioritization
Delegation

ASMA'A ALBAKRI

NUTRITIONAL SCIENCES, PH.D.

ABOUT

Asma'a is a nutritionist specialized in molecular and biochemical nutrition. Her research interests focus on the effect of dietary factors on the molecular mechanisms of motabolic diseases. Her ultimate goal is to improve the early diagnosis, prevention, and treatment of metabolic diseases by implementing advanced research methods and techniques and collaborating with expertise across the globe.

WORK EXPERIENCE

ASSISTANT PROFESSOR
University of Jordan | August 2021 - Present

RESEARCH ASSISTANT
University of Illinois at Urbana-Champaign | August 2020 - June 2021

- Designing and performing experiments
- Optimizing experimental protocols
- Training of undergraduate and graduate students

TEACHING ASSISTANT
University of Jordan | 2011 - 2015

EDUCATION

PH.D. IN NUTRITIONAL SCIENCES- MOLECULAR AND BIOCHEMICAL NUTRITION
University of Illinois at Urbana-Champaign | 2016-2021
GPA 4

M.S. IN HUMAN NUTRITION AND DIETETICS
University of Jordan | 2011-2015
GPA 3.93

B.SC. IN NUTRITION AND FOOD SCIENCE
University of Jordan | 2007-2011
GPA 3.86

AWARDS

- Frank W. Kari Memorial Award-University of Illinois at Urbana-Champaign | 2021.
- William Rose Endowed Award-University of Illinois at Urbana-Champaign | 2020.
- Travel Award- University of Illinois at Urbana-Champaign-DNS symposium | 2019.
- Research Award-University of Illinois at Urbana-Champaign-DNS Margin of Excellence- Omega3 Fatty Acids-Derived Metabolites: A Potential Therapeutic Effects Insulin Resistance Induced by Adipose Tissue Dysfunction | 2019.
- Research Award-Margin of Excellence-University of Illinois at Urbana-Champaign-Regulation of insulin sensitivity by adiponectin and T-cadherin in dietary-induced obesity | 2017.

RESEARCH INTERESTS

Molecular mechanism of insulin resistance

Adipose tissue remodeling during the course of obesity

Molecular mechanism of atherosclerosis progression and regression

The effect of dietary factors on the molecular mechanism of metabolic diseases

CONTACT

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University of Jordan
Faculty of Agriculture
Department of Nutrition and Food Technology

POSTER AND ORAL PRESENTATIONS

2021: Abstract has been accepted for presentation at ASN in June- 2021: Asma'a Albakri, Johana Coronel, Sanjana Tamane, Molly Black, Edward Fisher, Jaime Amengual, β-carotene Enhances Atherosclerosis Resolution in A Reversible Murine Model of Atherosclerosis, Current Developments in Nutrition, Volume 5, Issue Supplement_2, June 2021, Page 68, https://doi.org/10.1093/cdn/nzab034_002

2021: Oral Presentation-University of Illinois at Urbana-Champaign-DNS symposium- β-carotene Promotes Atherosclerosis Resolution in A Reversible Murine Model of Atherosclerosis- Asma'a Albakri, Johana Coronel, Sanjana Tamane, Molly Black, Edward Fisher, Jaime Amengual

2020: Poster Presentation- University of Illinois at Urbana-Champaign-DNS symposium-Omega3 Fatty Acids-Derived Metabolites: A Potential Therapeutic Effects Insulin Resistance Induced by Adipose Tissue Dysfunction-Asma'a Albakri and Aditi Das

2017: Poster Presentation- University of Illinois at Urbana-Champaign-DNS symposium- T-cadherin and Adiponectin Colocalize on the Membrane of Adipocytes-Asma'a Albakri and Manabu Nakamura

PUBLICATIONS

Madkour, M.I., Islam, M.T., Tippetts, T.S. et al. Ramadan intermittent fasting is associated with ameliorated inflammatory markers and improved plasma sphingolipids/ceramides in subjects with obesity: lipidomics analysis. Sci Rep 13, 17322 (2023). https://doi.org/10.1038/s41598-023-43862-9 (Published)

Asma'a Albakri, Johana Coronel, Sanjana Tamane, Molly Black, Edward Fisher, Jaime Amengual. β-carotene Promotes Atherosclerosis Resolution in A Reversible Murine Model of Atherosclerosis, (Published abstract)

Pinos I, Coronel J, Albakri A, Blanco A, McQueen P, Molina D, Sim J, Fisher EA, Amengual J. β-carotene accelerates resolution of atherosclerosis by promoting regulatory T cell expansion in the atherosclerotic lesion. bioRxiv [Preprint]. 2023 Mar 10:2023.03.07.531563. doi: 10.1101/2023.03.07.531563. PMID: 36945561; PMCID: PMC10028884 (Submitted).

ONLINE COURSES AND WORKSHOPS

Introduction to R Online Course | 2020
Introduction to Computational Genomics-University of Illinois | 2019

RESEARCH AND EXPERIMENTAL SKILLS

Writing grants/proposals
Designing and performing experiments
Animal handling
Cell culture
Flow cytometry
RT-qPCR
RNA sequencing
Affinity chromatography
HPLC
Statistical analysis
Immunofluorescence staining
Confocal microscopy
ImageJ