

Curriculum Vitae

Personal Details

Name	Sa'ad Al-Lahham	Citizenship	Palestinian and Dutch
Date of birth	15/01/1980	Address	AbdulRaheem Mahmoud street
Gender	Male		Nablus, Palestine.
E-mail	s.allahham@najah.edu saedallahham@gmail.com	Mobile	00970595623323

Education And Research Experience

- 2010-2014** **Postdoctoral research fellow**, Tissue Generation and Repair Group, Medical Biology Division, Department of Pathology & Laboratory Medicine, University Medical Centre Groningen, Groningen, the Netherlands.
Research title: **Development of a Bioartificial Kidney**.
Funding: Biomedical Material (BMM) consortium, Biological Kidney (BioKid).
- 2006-2010** **PhD in Medical Sciences**, Medical Biomics Centre, Department of Cell Biology, University Medical Centre Groningen, Groningen University, Groningen, the Netherlands.
Dissertation: Propionate: a Candidate Metabolite to Link Colonic Metabolism to Human Adipose Tissue Inflammation.
Funding: Top Institute of Nutrition consortium (TIFN).
- 2004-2006** **Master in Medical and Pharmaceutical Drug Innovation**, Groningen University, Groningen, the Netherlands.
Thesis title: Genetic Engineering of Intestinal Bacteria to Treat Colon Cancer.
- 2003-2004** Research Assistant, Department of Biology, Al-Quds University, Abu Dees, Palestine.
Research title: Genetic Diversity Studies on local Wheat Landraces.
Funding: United Nations Development Program (UNDP).
Internship: Alamani Center–Palestine: Human in Vitro Fertilization (IVF).
- 1999-2003** **Bachelor in Biotechnology and Genetic Engineering**, Jordan University of Science and Technology, Irbid, Jordan.
Undergraduate project-1: Site-directed Mutagenesis for Myosin Gene and its Implications.
Undergraduate project-2: Adapting Baker Yeast to Grow on Molasses to Improve Their Production of Ethanol and Glycerol.
Internship: Al-maqased Hospital-Israel: Molecular Diagnosis of Human Genetic Diseases.

Teaching Experience

- 2014-present** **Assistant professor**, Division of Anatomy, Molecular Biochemistry and Genetics, Department of Biomedical Sciences, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus, Palestine.
Major courses: Molecular biology for medical and health sciences students, laboratory of molecular biology for medical and health sciences students, Biochemistry for medical and health sciences students, General Biology for medical and health sciences students. Clinical Biochemistry for nursing students. Supervisor for several undergraduate students research projects. Research projects.
- 2003-2004** **Teaching Assistant**, Department of Biology and Biotechnology, Arab American University, Jenin, Palestine.
Major lab-courses: molecular biology, cell and tissue culturing, genetics and general biology courses.
- 2007-2012** **Supervisor** for undergraduate and graduate students and laboratory technicians.

Current running research projects

1. Pancreatic cancer methylation as a potential biomarker.
2. Influence of curcumin on human adipose tissue and consequently on obesity and diabetes.
3. Influence of ephedra alata on human adipose tissue and consequently on obesity and diabetes.
4. Influence of ephedra alata on cancer.

Significant Achievements

- An oral presentation was selected as **one of the top talks** presented at the American Society of Nephrology conference, kidney week 2012, San Diego, California, USA. Hypertonicity Maintains a Differentiated Renal Epithelial Monolayer: a Promising Approach for Bioartificial Kidney.
- **Invited speaker** for the Conference of Biotechnology - Research and applications, Jerusalem, Israel, 2012. Hypertonicity Maintains a Differentiated Renal Epithelial Monolayer: a Promising Approach for Bioartificial Kidney.
- **Postdoctoral fellowship**, University Medical Centre Groningen, Groningen University, Groningen, the Netherlands.
- **Ubbo Emmius Fellowship**, University Medical Centre Groningen, Groningen University, Groningen, the Netherlands.
- **GUIDE Beleidsruimte 2006 grant**, Graduate School for Drug Exploration, University Medical Centre Groningen, Groningen University, Groningen, the Netherlands.

Memberships

1. Tissue Engineering and Regenerative Medicine International Society (TERMIS).
2. International Society of Nephrology (ISN).
3. Dutch Society of Nephrology (NFN).
4. Dutch Society for Matrix Biology (NVMB).

Computer Skills

Microsoft Office, GraphPad Prism, Genorm, In-Silico PCR, Roche Universal Primer Design, DAVID, STRING, TissueQuest, CellQuest, Kaluza, Winlist, SDS and ViiA7 RUO Softwares.

Selected Oral Presentations In Conferences

1. Hypertonicity Maintains a Differentiated Renal Epithelial Monolayer: a Promising Approach for Bioartificial Kidney. American Society of Nephrology, kidney week 2012, San Diego, California, USA, 2012.
2. Optimizing Proximal Tubular Cells for Biological Kidney. European Tissue Repair Society ETRS, Amsterdam, the Netherlands, 2011.
3. Propionic Acid Stimulates Leptin Production in Human Adipose Tissue Through G-Protein Coupled Receptor(s). Annual Gut Day (Darmendag), Utrecht, the Netherlands, 2008.

Selected Poster Presentations In Conferences

1. The Influence of Extracellular Matrix Components on Conditionally Immortalized Human Proximal Tubule Cell Line 14.4. **S. Al-Lahham**, Saskia de Rond and Ruud Bank. BMM annual meeting, Ermelo, the Netherlands, 2011
2. Propionic Acid Stimulates Leptin Production In Human Adipose Tissue Through G-Protein Coupled Receptor(s). **S. Al-Lahham**, D. Weening, F. Rezaee, H. Roelofsen, K. Venema and R.J. Vonk. European Congress on Obesity, Amsterdam, the Netherlands, 2009.

3. Propionic Acid Stimulates Leptin Production In Human Adipose Tissue Through G-Protein Coupled Receptor(s). **S. Al-Lahham**, D. Weening, F. Rezaee, H. Roelofsen, K. Venema and R.J. Vonk. Keystone symposia Type 2 Diabetes, Insulin Resistance and Obesity: Novel Aspects of the Regulation of Body Weight, Banff, AB, Canada, 2009.
4. Apoptosis Induction to Colon Cancer Cell by Recombinant BMP-2. **S. Al-Lahham**, S. Yuvaraj, W. Helfrich, L.F.M.H de Leij, M.P. Peppelenbosch, and N. A. Bos. GUIDE early summer meeting, Groningen, the Netherlands, 2005.

Publications (Citations > 454, H-index=7)

1. Nidal Amin Jaradat, Ramzi Shawahna, Fatima Hussein, Saad Al-Lahham. Analysis of the antioxidant potential in aerial parts of *Trigonella arabica* and *Trigonella berythea* grown widely in Palestine: A comparative study. in press, European Journal of Integrative Medicine
2. Sanjabi B, Dashty M, Özcan B, Akbarkhanzadeh V, Rahimi M, Vinciguerra M, van Rooij F, Al-Lahham S, Sheedfar F, van Kooten TG, Spek CA, Rowshani AT, van der Want J, Klaassen R, Sijbrands E, Peppelenbosch MP, Rezaee F. Lipid droplets hypertrophy: a crucial determining factor in insulin regulation by adipocytes. *Sci Rep.* 2015 Mar 6;5:8816.
3. Al-Lahham SH, Peppelenbosch MP, Roelofsen H, Vonk RJ, Venema K. Biological Effects of Propionic Acid in Humans; Metabolism, Potential Applications and Underlying Mechanisms. *Biochim Biophys Acta.* 2010 Nov;1801(11):1175-83.
4. Al-Lahham S, Roelofsen H, Rezaee F, Weening D, Hoek A, Vonk R, Venema K. Propionic Acid Affects Immune Status and Metabolism in Adipose Tissue From Overweight Subjects. *Eur J Clin Invest.* 2012 Apr; 42(4):357-64.
5. Meijer K, de Vries M, Al-Lahham S, Bruinenberg M, Weening D, Dijkstra M, Kloosterhuis N, van der Leij RJ, van der Want H, Kroesen BJ, Vonk R, Rezaee F. Human Primary Adipocytes Exhibit Immune Cell Function: Adipocytes Prime Inflammation Independent of Macrophages. *PLoS One.* 2011 Mar; 23;6(3):e17154.
6. Al-Lahham SH, Roelofsen H, Priebe M, Weening D, Dijkstra M, Hoek A, Rezaee F, Venema K, Vonk RJ. Regulation of Adipokine Production in Human Adipose Tissue by Propionic Acid. *Eur J Clin Invest.* 2010 May;40(5):401-7.
7. Alex S, Lange K, ..., Al-Lahham S, Roelofsen H, Houtman R, van der Burg B, Mandrup S, Bonvin A, Kalkhoven E, Müller M, Hooiveld G, Kersten S. Short Chain Fatty Acids Stimulate Angiopoietin-Like 4 Syntheses in Human Colonocytes by Selective PPAR γ Modulation. *Mol Cell Biol.* 2013 Apr;33(7):1303-16.
8. Jansen J, Schophuizen CM, Wilmer MJ, Lahham SH, Mutsaers HA, Wetzels JF, Bank RA, van den Heuvel LP, Hoenderop JG, Masereeuw R. A morphological and functional comparison of proximal tubule cell lines established from human urine and kidney tissue. *Exp Cell Res.* 2014 Apr 15;323(1):87-99. 1
9. Yuvaraj S, Al-Lahham SH, Somasundaram R, Figaroa PA, Peppelenbosch MP, Bos NA. E. coli-Produced BMP-2 as a Chemopreventive Strategy for Colon Cancer: A Proof-of-Concept Study. *Gastroenterol Res Pract.* 2012;2012:895462.
10. Yuvaraj S, Al-Lahham S, Marreddy RK, Dijkstra G, Wolken WA, Lolkema JS, Helfrich W, Johansen FE, Peppelenbosch MP, Bos NA. Human scFv SIgA Expressed on *Lactococcus lactis* as a Vector for the Treatment of Mucosal Disease. *Mol. Nutr. Food Res.* 2008; 52, 913 – 920.
11. Sawalha K, Eideh H, Al-Lahham S, Hasesneh H, Mezeid B. Genetic Diversity Studies on Wheat Landraces in Palestine Using RAPD Markers in Comparison to Phenotypic Classification. *JABS* 2008, 2 (1): 29-34.9

Work In Progress

1. Hypertonicity Maintains a Differentiated Renal Epithelial Monolayer: a Promising Approach for bioartificial kidney. In preparation.

