

Dr. Sama Attiyah

<u>Personal Details</u>	<p>Nationality: Saudi – Female Place of Birth: Jeddah E-mail: smattiyah@uj.edu.sa sama.attiyah@gmail.com</p> <p>Tel: 00966 545170651</p>
<u>Education</u>	<p>2011</p> <ul style="list-style-type: none"> • PhD in Immunology and atherosclerosis. University of Surrey, Faculty of Health and Medical sciences, UK. <p>Subject: A proteomics study of MHC-associated peptide profiles displayed by macrophages after stimulation <i>in vitro</i> with human low-density lipoproteins Main Methods: proteomic, metabolomic, peptide extraction, cell culture, animal experiments, zymography, flow cytometry, ELISA (Enzyme-linked immunosorbent assay) and PCR (Polymerase chain reaction)</p> <p>1989</p> <ul style="list-style-type: none"> • Bachelor’s Degree in chemistry (BSc/ Chemistry). <i>Very Good and Honor Degree.</i> Jeddah Girls Education College, Jeddah, Saudi Arabia
<u>Work Experience</u>	<ul style="list-style-type: none"> • Vice dean for Science and Art collage at Al-kamel Branch • Vice dean for Al-kamel Branch Collages (Science and Art collage, Business collage & Computer Science collage) at University of Jeddah • Supervisor of the Support Department at Al-Kamel Branch, Female Section • Court in the fourth student forum at the University of Jeddah • Secretary of the Advisory Committee for the Development of Shamansir mountain

<p>2016</p> <p>2016</p> <p>2016-2017</p> <p>2014</p> <p>2015</p> <p>2014 & 2015</p> <p>2012 - up to date</p> <p>2002-2003</p> <p>2004-2006</p> <p>1990-2000</p>	<ul style="list-style-type: none"> • Member of the Committee of laboratories design & lab safety (female section, Al Kamel branch) (to date) • A member of recruitment committee, Al kamel Branch • Coordinator of development and quality program, Al kamel Branch, King Abdulaziz University • Vice dean for development, Al kamel Branch • Coordinator for graduate students practical training course (female section, Al Kamel branch) • Vice dean assistant for academic affair, Al kamel Branch, King Abduaziz University • Lecturer in chemistry & biology, Lab safety, introduction to sport science, fitness and health subject • Researcher at Biomedical Department (cell signaling), Faculty of Medical and Human Sciences. The University of Manchester, UK • Researcher at Genetics Department (asthma genetics), Faculty of Health and Medical sciences. Southampton University, UK • Laboratory specialist at Maternity and Children’s Hospital, LAB. TECH. Jeddah, Saudi Arabia
<p><u>Relevant Laboratory Experience</u></p> <p>Lab methods & techniques</p>	<ul style="list-style-type: none"> • Genetics research work, Southampton, UK (2004-2005). • Chromatography research work and training, Germany: Tübingen University (2007). • Immunology practical training, Bristol University, UK (2009). • Animal research and training course, CBS Imperial College of London & University of Surrey; Guildford, London, UK (2006 -2010). • Cell signaling and cell development research work, University of Manchester, UK (2002- 2003). • Hematology, Microbiology, chemistry, Paracytology, Immunology and Blood Bank Departments. Maternity and Children’s Hospital, Jeddah, KSA (1990- 2000). • High performance liquid chromatography (HPLC) and MS/MS tandem. Metabolomic & Proteomics. Animal research. Lipid extraction. DNA & RNA extraction. Polymerase chain reaction (PCR) & RT.PCR. Immunohistochemistry. ELISA. Peptide extraction and identification, zymography.

<p><u>Academic Experience</u></p>	<p>Teach and demonstrate in chemistry, immunology & microbiology labs, University of Surrey, Guildford (2009 – 2011).</p> <p>Teach chemistry, biology & lab safety, health and fitness subject, Sports Science subject, University of Jeddah (2012-2020)</p>
<p><u>Conference, Workshops & Courses</u></p>	<ul style="list-style-type: none"> • Institutional transformation plan workshop for the preparatory year, University of Jeddah, 2020 • Institutional transformation plan for the College of Arts and Sciences, Jeddah University of Jeddah, 2020. • Institutional transformation plan for the College of Business, University of Jeddah, 2020. • Institutional transformation plan for the College of Computer Engineering, University of Jeddah, 2020. • Participate: International Conference on Natural Sciences and Humanities ICONSH'20, Athens, Greece, March 30-31, 2020 • Workshop: The role of social service to face disasters and crises (the Corona crisis as a model), center for innovation and entrepreneurship, College of Social Sciences, University of Jeddah, 2020. • Workshop: Structured Multifaceted MMPI Personality Scale, center for innovation and entrepreneurship, College of Social Sciences, University of Jeddah, 2020. • Organizer team for: Scientific Forum for Business and Society, Business Collage, University of Jeddah, 2021. • Institutional transformation plan workshop for the preparatory year, University of Jeddah, 2020 • Institutional transformation plan for the College of Arts and Sciences, Jeddah University of Jeddah, 2020. • Institutional transformation plan for the College of Business, University of Jeddah, 2020. • Participation in the fourth student scientific forum 2020 • “Proteomics mass spectrophotometry course”, King Fisal Hospital (research center), Saudi Arabia, Riyad, 2019. • The yellow belt in Lin Six Sigma, Jeddah University, 2019. • Participation in the Fourth Student Scientific Forum 2018 • Training course in quality and development of education system, King Abdul Aziz University, Jeddah, 2018. • The web of science, journal citation reports and endnote (training workshop), Jeddah, KSA, King Abdul Aziz University Hospital, 2016. • Personal development portfolio for promotion (training workshop), Jeddah, KSA, King Abdul Aziz University, 2016. • Demonstrate a lecture at some schools about deal with others by polite way, as community service (2016).

	<ul style="list-style-type: none"> • The 2nd international conference on medical genetics, Jeddah, KSA, King Abdul Aziz University Hospital, 2015 • International conference on chemical, environmental, and biological science (CEBS), Dubai, UAE, Mar 2015 • The 8th protein & antibodies congress, the 3rd biosimilars & biobetters congress and the 2nd peptides congress (oxford global), London, UK, 2015 • Training course (2 & 3) in the education accreditation system (King Abdul Aziz University, Al Fisalyah branch, Jeddah, 2014) • Slandering of quality in teaching and learning method (King Abdul Aziz University, 2013) a workshop • Training course (how to build strong personality?) (King Abdul Aziz University Jeddah, 2013) • Training course (1) in quality and development of education system (King Abdul Aziz University Jeddah, 2013) • Training course (1) in the education accreditation system (King Abdul Aziz University, Al Fisalyah branch, Jeddah, 2013) • Training course (2) in quality and development of education system (King Abdul Aziz University Jeddah, 2013) • Road map to facilitate learning (King Abdul Aziz University, 2012) • Affinity chromatography training course (Universität Tübingen: Professor Stefan Stevanovic. Germany 2007) • Training course in scientific animal procedures (CBS Imperial College, London 2006) • Venepuncture for blood sampling (FHMS University of Surrey, UK 2009) • Training course in basic life support (FHMS University of Surrey, UK 2008) • Training course in proteomics (FHMS University of Surrey, UK 2007) • Training course in DNA microarray Analysis (FHMS University of Surrey, UK 2007) • Training course in Molecular Imaging Techniques and Flow Cytometry (FHMS University of Surrey, UK 2007) • Training course in Gas Chromatography (FHMS University of Surrey, UK 2007) • Training course in High Performance Liquid Chromatography (FHMS University of Surrey, UK 2007) • Participate in 2nd Saudi International Conference (Leeds University, UK 2008) • Participate in 3rd Saudi International Conference (University of Surrey, UK 2009) • Participate in the 5th European Meeting on Vascular Biology and Medicine (France, 2009) • Participate in British Cardiovascular Society (Manchester, UK 2008) • Participate in American Association of Immunology (Washington Seattle, USA 2009) • Attendance the 4th European Meeting on Vascular Biology & Medicine (Bristol, UK 2007)
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Publications

- Prognostic Significance Association of Neutrophil-To- Lymphocyte Ratio and Platelets- To-Lymphocyte Ratio with Mortality in COVID19 Patients (2021). Hoda Elsayed Mohammed & Sama Mohammed N. Attiyah. Indian Journal of Forensic Medicine & Toxicology, 15(4), 3372-3381. Retrieved from <https://medicopublication.com/index.php/ijfmt/article/view/17354>
- Effectiveness of Turmeric and Extra Virgin Olive Oil in the Management of IL 6 and IL 10 in Healthy Mice (2021). Attiyah, S. M. and Mohammed, H. E. Journal of Pharmaceutical Research International, 33(39A), pp. 9-16. DOI: 10.9734/jpri/2021/v33i39A32134
- A Mini Review on Immune System and Immunological Diseases: Properties, Classification and Evolutional Aspects (2020). Sama M.N. Attiyah. Biosc.Biotech.Res.comm. Vol 13 (4), 1647-1654
- Immunomodulatory Potential Effects of Pomegranate on Rbl-2h3 Cells (2020). Sama M N Attiyah. Volatiles & Essent. Oils; 8(4): 11662-11674
- Comparative Study on the Pro-Inflammatory Activity of Turmeric (*Curcuma longa*) and flaxseed (*Linumusitatissimum*) (2021). Hoda Elsayed Mohammed, Sama Mohammed Attiyah, Shimaa Attia Atta. Annals of the Romanian Society for Cell Biology, 6329–6335. Retrieved from <https://www.annalsofrscb.ro/index.php/journal/article/view/3224>
- Critical cases of COVID-19 patients can be predicted by the biomarkers of complete blood count. (2020). Attiyah SM, Elsayed HM, Al-Mughales JA, Moharram AB, Abdel- Fattah M. Indian Journal of Science and Technology. 13(48): 4739-4745. <https://doi.org/10.17485/IJST/v13i48.2033>
- Efficiency of Three Extracts of Caricapapaya as Molluscicidal and Anti-schistosomal Agents against *Biomphalaria alexandrina* and *Schistosoma mansoni* by Flow Cytometry (2020). Aly, I., Gouida, M. S., Sayed, H. E. L., Attiyah, S. M. N., Shaker, S., Elleboudy, N. A., & Ghoname, S. I. Journal of Pharmaceutical Research International, 32(11), 31-41. <https://doi.org/10.9734/jpri/2020/v32i1130543>.
- The Protective Role of Toll-Like Receptor Agonist Monophosphoryl Lipid A Against Vaccinated Murine Schistosomiasis (2020). Aly, I., Ibrahim, E.H., Hamad, R.S., Rabab S. Hamad, Hoda E. L. Sayed, Sama M. N. Attiyah et al. Acta Parasit. 65, 652–660. <https://doi.org/10.2478/s11686-020-00204-3>
- "Obesity is associated with cardiac disease and the apolipoprotein A5 gene a genetic variant c.553G > T in is associated with an increased risk of coronary artery disease." (2016). Bogari N, Rednah D, Elkhateeb O, Dannoun A, Amin A A, Porqueddu M, Khogeer S, Attiyah S, Almatrouk E, et al. Obesity & Chronic Diseases (**ICOCD-2016**)
- A proteomics study of MHC-associated peptide profiles displayed by macrophages after stimulation in vitro with human low-density lipoproteins (2009). Attiyah, S. M., A. Bermudez-Fajardo, et al. J Immunol 182 (1_Meeting Abstracts): 78.12.
- A proteomics study of MHC-associated peptide profiles displayed by macrophages after stimulation in vitro with human low-density

	<p>lipoproteins (2009). Attiyah, S. M., A. Bermudez-Fajardo, et al. Conference Proceedings, The Third Saudi International Conference, 5-6th June 2009. [ISBN: 18446902020; 9781844690206]</p> <ul style="list-style-type: none">• A proteomics study of MHC-associated peptide profiles displayed by macrophages after stimulation in vitro with human low-density lipoproteins (2008). Attiyah, S. M., A. Bermudez-Fajardo, et al. Proceeding of the Research Festival of FHMS, University of Surrey.
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