

CURRICULUM VITAE

SAMREIN AHMED

Nationality:	British
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Current position	Assistant professor of Biochemistry at Basic medical sciences department /college of medicine/University of Sharjah
Previous Position	Research Associate Biochemistry department-University of Cambridge 2013-2014
Academic Qualifications	<ul style="list-style-type: none"> • PhD 2013 (Doctor of Philosophy), Biochemistry Department, University of Leicester, United Kingdom. Field: Cancer Research, Thesis Title: <i>“Characterization of the novel melanoma associated Shc adaptor ShcD/RaLP”</i>. • Cancer cell and Molecular biology M.Sc 2009 (Grade Distinction), Department of Biochemistry, University of Leicester, United Kingdom. Thesis title: <i>“The role of RaLP in melanoma cell migration”</i> • Medicine and Surgery MBBS 2004, Faculty of Medicine, University of Khartoum, Sudan. Graduate Transcript: <i>Prize in Surgery, Distinction in Microbiology and Physiology, Credit in Anatomy, Biochemistry, Pathology and Pharmacology, Very Good in Medicine & Psychiatry, Obstetrics & Gynecology and Pediatrics, Good in Community Medicine.</i>
Teaching Experience	<ul style="list-style-type: none"> • September 2014-Present <ul style="list-style-type: none"> ▪ Teaching Biochemistry for Medical students ▪ Teaching Medical Biochemistry and Genetics for first and second year Dental Students in PBL environment. ▪ Teaching Human Biology for Medical and dental Foundation students. ▪ Facilitating PBL for Medical Students.

	<ul style="list-style-type: none">▪ Teaching and coordinating cell communication and signalling and cell biology courses as well as Modern techniques in Molecular biology Practical for Master of Molecular Medicine and translational research.▪ Project supervision for Medical undergraduates and Master Students.• Teaching and demonstrating skills workshop, 2009, University of Leicester.• <u>September 2013-May2014</u><ul style="list-style-type: none">▪ Teaching biochemistry and Laboratory sessions for second year medical undergraduates at University of Cambridge, United Kingdom• <u>November 2012:</u><ul style="list-style-type: none">▪ Teaching biochemistry and Laboratory sessions for 2nd year medical undergraduates at University of Leicester, United Kingdom.▪ Teaching biochemistry and Laboratory sessions for Cancer cell and molecular Biology MSc students at University of Leicester, United Kingdom.• <u>January 2010-June 2012:</u><p>Teaching biochemistry and Laboratory sessions of molecular biology techniques for MSc and medical undergraduate students at University of Leicester.</p>• <u>November 2011:</u><p>Teaching biochemistry and Laboratory sessions for 2nd year medical undergraduates at University of Leicester, United Kingdom.</p>• <u>November 2010:</u><p>Teaching biochemistry and Laboratory sessions for 2nd year medical undergraduates at University of Leicester, United Kingdom.</p>• Assessing students: Marking exam papers, assignments and reports.

<p>Working Experience:</p>	<ul style="list-style-type: none"> • September 2013 –May 2014, Research Associate, Teaching biochemistry and Laboratory sessions final year medical undergraduates, Department of Biochemistry, University of Cambridge, Cambridge, United Kingdom. • January 2010-November 2012 Teaching biochemistry and Laboratory sessions for medical Biochemistry undergraduates and M.Sc in Cancer cell and Molecular Biology students at University of Leicester, Leicester, UK. • July 2007-September 2007, Medicine Internship at Army Hospital, Khartoum, Sudan. • March 2007-June 2007, Surgery Internship at Army Hospital, Khartoum, Sudan. • January 2007-March 2007, Orthopedics Internship at Army Hospital, Khartoum, Sudan. • November 2006-Janaury 2007, ENT Internship at Army Hospital, Khartoum, Sudan. • July 2005-October 2005, Obstetrics &Gynecology Internship at Academy Hospital, Khartoum, Sudan. • April 2005-July 2005, Pediatrics Internship at Ribat Hospital, Khartoum, Sudan.
<p>Conferences</p>	<ul style="list-style-type: none"> • 3rd Current Trends in biotechnology-2017, Dubai-UAE: The role of melanoma associated adaptor, ShcD in acute sever oxidative stress in melanoma cells. • 3rd Current Trends in biotechnology-2017, Dubai-UAE: Authors: Zeanap Ali Mabruk and Samrein BM Ahmed. Awarded for first position for the project titled: The role of ShcD and Ret interaction in Neuroblastoma survival and migration • Making it Personal: Cancer Precision Medicine, Amsterdam, Netherlands: 13 - 16 March 2017. Poster presentation: The association of ShcD and ERK in acute oxidative stress in B16 melanoma cells. • 24th Biennial EACR Congress, 9-12th July 2016, Manchester, UK. • OWSD 5th General Assembly and International

	<p>Conference on Women in Science and Technology for the Developing World, 16-19 May 2016, Kuwait: Oral presentation titled “the two lives of the melanoma associated adaptor”</p> <ul style="list-style-type: none"> • 6th Pan Arab Human Genetics Conference (PAHGC), Dubai, UAE. • NCRI cancer conference, 2015, Liverpool, UK: poster presentation “The interplay between the nuclear translocation and phosphorylation of the melanoma associated adaptor, ShcD, upon oxidative stress” • World congress on Cancer and prevention methods, 2015, Dubai.: Poster presentation “Interplay between the hyperglycemia and cancer” • The 8th Dubai International Conference for Medical Sciences, 2014: poster presentation • December 2012, Poster Presentation at Genes and Cancer Meeting, Warwick University, Warwick, United Kingdom. Poster title: “<i>The human melanoma associated protein RaLP promotes cell survival</i>”. • September 2012, <i>the Twelfth International Conference on Progress in Vaccination against Cancer</i>, the European Association for Cancer Research (EACR), Nottingham, United Kingdom. • December 2011, Poster Presentation at Genes and Cancer Meeting, Warwick University, Warwick, United Kingdom. Title of the poster: “<i>A novel way for melanoma cells to migrate</i>”. • May 2011, Talk, Cafe scientifique at University of Leicester, United Kingdom, Talk title: “<i>The two lives of RaLP</i>”. • December 2010, <i>Genes and Cancer Meeting, Warwick University, Warwick, United Kingdom.</i>
Research Interests	<ul style="list-style-type: none"> • Cancer cell invasion and metastasis.

	<ul style="list-style-type: none"> • Cell signaling in Cancer cells.
University service	<ul style="list-style-type: none"> • Member in the Research ethics committee, University of Sharjah, 2015-2017. • Member in the student assessment committee, college of medicine, 2015-2016. • Member in the student research committee, college of medicine, 2015-2017 • Coordinating with Emirates environmental group for the UOS college of Medicine students' participation at the 15th intercollege environmental public speech competition, 2015. The group scored the 2nd runner up rank in the competition.
Training Courses and workshops	<ul style="list-style-type: none"> • May 2011, <i>MOLECULAR PATHOLOGY APPROACH TO CANCER</i> training course, the European Association for Cancer Research (EACR) Amsterdam, Netherlands. • October 2009-March 2010, Teaching and Demonstrating skills, Laboratory safety, Planning and managing you doctorate, Creativity and problem solving, Use of ENDNOTE, Protein bioinformatics, General presentation skills, Off to a conference? Posters and how to present them? Improving power point presentation, Critical appraisal and study skills for biomedical scientists, Protein expression and purification, Clinical trials workshop. University of Leicester, Leicester, United Kingdom.
Techniquial Experimental experience used	<ul style="list-style-type: none"> • DNA preps. • PCR and semi-quantitative RT-PCR • Cloning using Gateway Technology • Cloning using the conventional method • Luciferase Reporter assays • Western blotting • Co-immunoprecipitation: Protein-G sepharose, GFP-trap • Mammalian cell culture • Immunocytochemistry/Fluorescence microscope • DNA and siRNA transfections • Wound healing assay and transwell assay

	<ul style="list-style-type: none"> • Agarose gel for DNA electrophoresis • Subcellular fractionation • Site directed mutagenesis. • Antibody Production: Protein purification, testing the anti-sera and purifying the anti-sera • Preparing samples for Mass spectrometry • Yeast two hybrid screen • MTT assay
<p>Research Experience</p>	<ul style="list-style-type: none"> • A member in environment and cancer research group, UOS, 2014-current. • Projects: <ul style="list-style-type: none"> ▪ Investigating the role of ShcD in melanoma cell migration and metastasis via TGF beta signalling. ▪ Investigating GHRHR expression level under Hyperglycemia-like culture conditions in breast cancer cells ▪ Investigating the phosphorylation status of melanoma associated Shc adaptor, ShcD, upon oxidative stress • Postdoctoral Research: Biochemistry Department, University of Cambridge, 2013 –2014. Title: <i>Investigating RLIP76 association with Rho family proteins in vivo.</i> • Doctoral research: Biochemistry Department, University of Leicester, 2009-2013, Title: <i>Characterization of the novel melanoma associated Shc adaptor ShcD/RaLP</i> • Masters: Biochemistry Department, University of Leicester, 2008-2009, Titled: <i>The Role of RaLP in Melanoma Cell Migration</i>
<p>Grants</p>	<ul style="list-style-type: none"> • Seed grant Aljalila foundation, 2016-2018 (270,000 AED) for the project titled: Studying the phosphorylation status of ShcD in melanoma upon oxidative stress: An evidence for new therapeutic target in melanoma • University of Sharjah grant, targeted project (200,000AED) for the project titled: Investigating

	<p>the impact of ShcD in melanoma migration and survival via ROS modulation</p> <ul style="list-style-type: none"> • Seed grant, University of Sharjah, 2014-2015. Project titled: Investigating the role of ShcD in cancer cell migration and invasion • BI Grant, 2014-2015 (15,000 AED). Titled: Investigating GHRHR expression level under hyperglycemia-like culture conditions in breast cancer cell lines • BI Grant, 2015-2016 (15,000 AED). Titled: Investigating the phosphorylation status of melanoma associated Shc adaptor, ShcD, upon oxidative stress.
<p>Supervision</p>	<ul style="list-style-type: none"> • Undergraduate: Investigating the synergistic action of curcumin and rapamycin in lung cancer • Undergraduate: The effect of ascorbic acid and leptin on colon cancer. • MSc: The role of ShcD and Ret interaction in neuroblastoma survival and migration, 2016-2017. • Undergraduate: Investigating the phosphorylation status of melanoma associated Shc adaptor, ShcD, upon oxidative stress, 2015-2016. • Co-supervision/Undergraduate: Role of induction of Wnt/B-Catenin pathway in stressed B cells in enhancing survival, overall cell mass and insulin production, 2015-2016. Prize awarded for the 3rd best poster in the 1st student based research week-COM. • Study of the relation between epithelial mesenchymal transition genes and p53 in breast and colon cancer. Co supervision, 2014-2015 • Investigating GHRHR expression level under hyperglycemia-like culture conditions in breast cancer cell lines. 2014-2015
<p>Publications</p>	<ul style="list-style-type: none"> • Ahmed SBM, Prigent SA. Insights into the Shc Family of Adaptor Proteins. Journal of Molecular Signaling. 2017;12:2. DOI: http://doi.org/10.5334/1750-2187-12-2 • Ali S.H., Ahmed S., Khan A.G. (2016). Gold

	<p>nanoparticles in in cancer therapy and diagnostics ejpmr: 3: 54-67</p> <ul style="list-style-type: none"> • Ahmed, SB. and Prigent, SA. (2014). A nuclear export signal and oxidative stress regulate ShcD subcellular localisation: <i>A potential role for ShcD in the nucleus. Cell Signal: 26, 32-40.</i>
Association Membership	<ul style="list-style-type: none"> • Ambassador for European Association of Cancer Research. • Member in OWSD
Community work	<ul style="list-style-type: none"> • Participation at Cambridge science festival, University of Cambridge, 2014
Task forces	<ul style="list-style-type: none"> • Research seminar day, COM-UOS; talk titled: “How to write a grant proposal?” 2017 • Poster evaluation: Research form 10th and 11th UOS: 2016,2017 Student research week, COM-UOS: 2016,2017 • Participation in Organization of the student research week, UOS, UAE, 2016 • Participation in scientific writing work shop: 2016 • Coordination the participation of medical student in Environmental public speech competition by EEG, 3rd place.
References	<ul style="list-style-type: none"> • Dr Darerca Owen Department of Biochemistry University of Cambridge Email: do202@cam.ac.uk Office Phone: 00441223 764824 • Dr. Sally A Prigent Department of Molecular and Cell Biology Henry Welcome Building Leicester LE1 9HN Tel: 0044116 229 7070 Email: sap8@le.ac.uk