

PUBLICATIONS

2012 to 2016

Total 72

Publications/2012

1. **Emara MM**, Fujimura K, Sciaranghella D, Ivanova V, Ivanov P, Anderson P. **Hydrogen peroxide induces stress granule formation independent of eIF2a phosphorylation.** *Biochem Biophys Res Commun*. 2012 Jul 13;423(4):763-9. doi: 10.1016/j.bbrc.2012.06.033. Epub 2012 Jun 15.
2. Mintz PJ, Sætrom P, Reebye V, Lundbæk MB, Lao K, Rossi JJ, Gaensler KM, Kasahara N, Nicholls JP, Jensen S, Haoudi A, **Emara MM**, Gordon MY, Habib NA. **MicroRNA-181a* Targets Nanog in a Subpopulation of CD34(+) Cells Isolated From Peripheral Blood.** *Mol Ther Nucleic Acids*. 2012 Aug 7;1:e34. doi: 10.1038/mtna.2012.29

Publications/2013

1. Jauch R, **Kolatkhar PR**. **What Makes a Pluripotency Reprogramming Factor?** *Curr Mol Med*. 2013 May 2. [Epub ahead of print]
2. Allen RE, Hughes TD, Ng JL, Ortiz RD, Ghantous MA, Bouhali O, Froguel P, **Arredouani A**. **Mechanisms Behind the Immediate Effects of Roux-en-Y Gastric Bypass Surgery on Type 2 Diabetes.** *Theoretical Biology and Medical Modelling*. 2013 Jul 13; 10:45. doi: 10.1186/1742-4682-10-45.
3. Reebye V, Saetrom P, Mintz PJ,... **Emara MM**, Haoudi A, Spalding DR. **A Novel RNA Oligonucleotide Improves Liver Function and Inhibits Liver Carcinogenesis in Vivo.** *Hepatology*. 2013 Aug 8. doi: 10.1002/hep.26669. [Epub ahead of print]
4. Aksoy I, Jauch R, Eras V, Bin AC, Chen J, Divakar U, Ng CK, **Kolatkhar PR**, Stanton LW. **Sox Transcription Factors Require Selective Interactions with Oct4 and Specific Transactivation Functions to Mediate Reprogramming.** *Stem Cells*. 2013 Aug 20. doi: 10.1002/stem.1522. [Epub ahead of print]
5. Mintz PJ, Huang KW, Reebye V, Nteliopoulos G, Lai HS, Sætrom P, Kasahara N, Jensen S, Madhava P, Gordon MY, Marley SB, Behan R, Spalding DR, Haoudi A, **Emara MM**, Nicholls J, Rossi JJ, Habib NA. **Exploiting Human CD34+ Stem Cell-Conditioned Medium for Tissue Repair.** *Molecular Therapy*. 2013 Aug 28. doi: 10.1038/mt.2013.194. [Epub ahead of print]
6. Abu-Farha M, Tiss A, Abubaker J, Khadir A, Al-Ghimlas F, Al-Khairi I, Baturcam E, Cherian P, Elkum N, Hammad M, John J, Kavalakatt S, Warsame S, Behbehani K, Dermime S, **Dehbi M**. **Proteomics Analysis of Human Obesity Reveals the Epigenetic Factor HDAC4 as a Potential Target for Obesity.** *PLoS One*. 2013 Sep 24;8(9):e75342.

7. **Abdelalim EM. Molecular Mechanisms Controlling the Cell Cycle in Embryonic Stem Cells.** Stem Cell Rev. 2013 Dec; 9(6):764-73. doi: 10.1007/s12015-013-9469-9
8. **Abdelalim EM, Tooyama I. Knockdown of p53 Suppresses Nanog Expression in Embryonic Stem Cells.** Biochem Biophys Res Commun. 2014 Jan 10;443(2):652-7. doi: 10.1016/j.bbrc.2013.12.030. Epub 2013 Dec 11.

Publications/2014

1. **Abdelalim EM, Bonnefond A. Annelise Bennaceur-Griscelli, Froguel P. Pluripotent Stem Cells as a Potential Tool for Disease Modelling and Cell Therapy in Diabetes.** Stem Cell Reviews and Reports. 2014 Jun;10(3):327-37. doi: 10.1007/s12015-014-9503-6.
2. **Karam M, Bièche I, Legay C, Vacher S, Auclair C, Ricort JM. Protein Kinase D1 Regulates ER α -positive Breast Cancer Cell Growth Response to 17 β -Estradiol and Contributes to Poor Prognosis in Patients.** J. Cell. Mol. Med. 2014. [In press]
3. **Chini V, Stambouli D, Nedelea FM, Filipescu GA, Mina D, Kambouris M, El-Shanti H. Utilization of Gene Mapping and Candidate Gene Mutation Screening for Diagnosing Clinically Equivocal Conditions: A Norrie Disease Case Study.** Eye Science. 2014 [In Press]
4. Hasan A, Al-Ghimlas F, Warsame S, Al-Hubail A, Ahmad R, Bennakhi A, Al-Arouj M, Behbehani K, **Dehbi M** & Dermime S. **IL -33 is Negatively Associated with the BMI and Confers a Protective Lipid/Metabolic Profile in Non-Diabetic but not Diabetic Subjects.** BMC Immunol. 2014 May 10;15(1):19.
5. Baturcam E, Abubaker J, Tiss A, Abu-Farha M, Khadir A, Al-Ghimlas F, Al-Khairi I, Cherian P, Elkum N, Hammad M, John J, Kavalakatt S, Lehe C, Warsame S, Behbehani K, Dermime S & **Dehbi M. Physical Exercise Reduces the Expression of RANTES and Its CCR5 Receptor in the Adipose Tissue of Obese Humans.** Mediators Inflamm.2014:627150. doi: 10.1155/2014/627150.
6. **Marios Kambouris, Rachid C Maroun, Tawfeg Ben-Omran, Mutations in Zinc Finger 407 [ZNF407] Cause a Unique Autosomal Recessive Cognitive Impairment Syndrome.** Orphanet Journal of Rare Diseases 2014; 9:80.
7. **Moovarkumudalvan Balasubramanian, Ponnuraj Sathya Moorthy, Kamariah Neelagandan, Ramya Ramadoss, Prasanna R. Kolatkar and M. N. Ponnuswamy. Structure of Liganded T-state Haemoglobin from Cat (Felis Silvestris Catus), a Low Oxygen-Affinity Species, in Two Different Crystal Forms.** Acta Cryst. 2014; D70:1898-1906

8. Ali Tiss , Abdelkrim Khadir , Jihad Abubaker , Mohamed Abu-Farha , Irina Al-Khairi , Preethi Cherian , Jeena John , Sina Kavalakatt , Samia Warsame , Fahad Al-Ghimlas , Naser Elkum , Kazem Behbehani, Said Dermime and **Mohammed Dehbi**. **Immunohistochemical Profiling of the Heat Shock Response in Obese Non-Diabetic Subjects Revealed Impaired Expression of Heat Shock Proteins in the Adipose Tissue** . Lipids in Health and Disease. 2014; 13:106.
9. Sameh Magdeldin, Tadashi Yamamoto, Ikuo Tooyama, **Essam M. Abdelalim**. **New Proteomic Insights on the Role of NPR-A in Regulating Self-Renewal of Embryonic Stem Cells**.
10. Denys A. Khapersky, **Mohamed M. Emara**, Benjamin P. Johnston, Paul Anderson, Todd F. Hatchette, Craig McCormick. **Influenza A Virus Host Shutoff Disables Antiviral Stress-Induced Translation Arrest**, PLoS Pathogens. Stem Cell Reviews and Reports . 2014; 10 (4), 561-572., July 10, 2014
11. Kelwick R, Wagstaff L, **Decock J**, Roghi C, Cooley LS, Robinson SD, Arnold H, Gavrilović J, Jaworski DM, Yamamoto K, Nagase H, Seubert B, Krüger A, Edwards DR. **Metalloproteinase-Dependent and -Independent Processes Contribute to Inhibition of Breast Cancer Cell Migration, Angiogenesis and Liver Metastasis by A Disintegrin and Metalloproteinase with Thrombospondin Motifs-15 (ADAMTS-15)**. Int J Cancer. 2014 Aug 6. doi: 10.1002/ijc.29129. [Epub ahead of print] PMID:25099234
12. **Abdelalim EM1, Emara MM, Kolatkar PR**. **The SOX Transcription Factors as Key Players in Pluripotent Stem Cells**. Stem Cells Dev. 2014 Sep 26. [Epub ahead of print] PMID:25127330
13. Abu-Farha M, **Dehbi M**, Noronha F, Tiss A, Alarouj M, Behbehani K, Bennakhi A, Elkum N. **Gender Differences in Ghrelin Association with Cardiometabolic Risk Factors in Arab Population**. International Journal of Endocrinology. 2014; 2014:730472. doi: 10.1155/2014/730472. Epub - 2014 Sep 9. PMID:25276131
14. **Chini V**. **Micro-RNAs and Next Generation Sequencing: New perspectives in Heart Failure**. Clinica Chimica Acta. 2014; pii: S0009-8981(14)00525-7. doi: 10.1016/j.cca.2014.11.020. PMID: 25463748
15. Neelagandan Kamariah, Sathya Moorthy Ponnuraj, **Balasubramanian Moovarkumudalvan** and Mondikalipudur Nanjappa Gounder Ponnuswamy. **Structural Studies on a Low Oxygen Affinity Hemoglobin from Mammalian Species: Sheep (Ovis Aries)**. Biochemical and Biophysical Research Communications. 2014; 450 (1):36–41.
16. Fathalla B, Al-Wahadneh AM, Al-Mutawa M, Kambouris M, **El-Shanti H. A Novel De Novo PSTPIP1 Mutation in a Boy with Pyogenic Arthritis, Pyoderma Gangrenosum, Acne (PAPA) Syndrome**. Clin Exp Rheumatol 2014; 32(6):956-958.

17. **Al-Sarraj Y**, Ben-Omran T, Tolefat M, Bejaoui Y, **El-Shanti H**, Kambouris M: **A Novel Missense Mutation in SRD5A3 Causes Congenital Disorder of Glycosylation Type I [Cerebello-Ocular Syndrome]**. Journal of Inborn Errors of Metabolism and Screening. 2014; 2: 2326409814550528
18. **Al-Sarraj Y**, Abul Al-Khair H, Taha RZ, Khattab N, El-sayed ZH, Elhusein B, **El-Shanti H**. **Distal Trisomy 10q Syndrome, Report of a Patient with Duplicated q24.31 – qter, Autism Spectrum Disorder and Unusual Features**. Clinical Case Reports 2014;2(5):201-205
19. Ghassibe-Sabbagh M, Haber M, Salloum AK, **Al-Sarraj Y**, Akle Y, Hirbli K, Romanos J, Mouzaya F, Gauguier D, Platt DE, **El-Shanti H**, Zalloua PA: **T2DM GWAS in the Lebanese Population Confirms the Role of TCF7L2 and CDKAL1 in Disease Susceptibility**. Scientific Reports 2014; 4:7351
20. Ghassibe-Sabbagh M, Deeb M, Salloum AK, Mouzaya F, Haber M, **Al-Sarraj Y**, Chami Y, Akle Y, Hirbli K, Nemr R, Ahdab R, Platt DE, Abchee AB, **El-Shanti H**, Zalloua PA: **Multivariate Epidemiologic Analysis of Type 2 Diabetes Mellitus Risks in the Lebanese Population**. Diabetology & Metabolic Syndrome. 2014; 6(1):89.
21. Narasimhan K, Hilbig A, Udayasuryan B, Jayabal S, **Kolatkar PR**, Jauch R. **“Crystallization and Preliminary X-ray Diffraction Analysis of the Pax9 Paired Domain Bound to a DC5 Enhancer DNA Element”** Acta Cryst F. Struct Biol. Commun. 2014 Oct 1;70(Pt 10):1357-61.
22. Bodoor K, Haddad Y, **Alkhateeb A**, Al-Abbadi A, Dowairi M, Magableh A, Bsoul N, Ghabkari A (2014) **DNA Hypermethylation of Cell Cycle (p15 and p16) and Apoptotic (p14, p53, DAPK and TMS1) Genes in Peripheral Blood of Leukemia Patients**. Asian Pac J Cancer Prev. 15(1):75-84.
23. Karasneh JA, Bani-Hani ME, **Alkhateeb AM**, Hassan AF, Thornhill MH (2014) **Association of MMP but not TIMP-1 Gene Polymorphisms with Recurrent Aphthous Stomatitis**. Oral Dis. 20:693-699.
24. Ivanov P, O'Day E, **Emara MM**, Wagner G, Lieberman J, Anderson P. **G-quadruplex Structures Contribute to the Neuroprotective Effects of Angiogenin-Induced tRNA Fragments**. Proc Natl Acad Sci 2014; 111(51): 18201-18206.
25. Gadalla MR, El-Deeb AH, **Emara MM**, Hussein HA. **Insect Cell Surface Expression of Hemagglutinin (HA) of Egyptian H5N1 Avian Influenza Virus Under Transcriptional Control of Whispovirus Immediate Early-1 Promoter**. J Microbiol Biotechnol 2014; 24(12): 1719-1727.

26. E. Drougka, A. Foka, A. Liakopoulos, A. Doudoulakakis, E. Jelastopulu, **V. Chini**, A. Spiliopoulou, S. Levidiotou, T. Panagea, A. Vogiatzi, E. Lebessi, E. Petinaki and I. Spiliopoulou. **"A 12-year Survey of Methicillin-Resistant Staphylococcus Aureus infections in Greece: ST80-IV epidemic?"**. Clin Microbiol Infect, 2014 Mar; 20:O796–O803.
27. Sastry KS, **Al-Muftah MA**, Li P, Al-Kowari MK, Wang E, Ismail Chouchane A, Kizhakayil D, Kulik G, Marincola FM, Haoudi A, Chouchane L. **"Targeting Proapoptotic Protein BAD Inhibits Survival and Self-Renewal of Cancer Stem Cells"** Cell Death Differ. 2014 Dec; 21(12): 1936-49. Doi: 10.1038/cdd.2014.140. Epub 2014 Sept 12.

Publications/2015

1. Abdelkrim Khadir, Ali Tiss, Jehad Abubaker, Mohamed Abu-Farha, Irina Al-Khairi, Preethi Cherian, Jeena John, Sina Kavalakatt, Samia Warsame, Ashraf Al-Madhoun, Fahad Al-Ghimlas, Naser Elkum, Kazem Behbehani, Said Dermime and **Mohammed Dehbi**. **MAP kinase phosphatase DUSP1 is overexpressed in obese humans and modulated by physical exercise**. Am. J. Physiol. Endocrinology & Metabolism. 2015; 308: E71–E83. doi:10.1152/ajpendo.00577.2013.
2. Eleuteri S, Di Giovanni S, Rockenstein E, Mante M, Adame A, Trejo M, Wrasidlo W, Wu F, Fraering PC, Masliah E, **Lashuel HA**. **Novel Therapeutic Strategy for Neurodegeneration by Blocking A β Seeding Mediated Aggregation in Models of Alzheimer's Disease**. Neurobiol Dis.. 2015; 74:144-57. doi:10.1016/j.nbd.2014.08.017.
3. Dhungel N, Eleuteri S, Li LB, Kramer NJ, Chartron JW, Spencer B, Kosberg K, Fields JA, Stafa K, Adame A, **Lashuel H**, Frydman J, Shen K, Masliah E, Gitler AD. **Parkinson's Disease Genes VPS35 and EIF4G1 Interact Genetically and Converge on α -synuclein**. Neuron. 2015; 85(1):76-87. doi:10.1016/j.neuron.2014.11.027.
4. Ruggeri FS1, Adamcik J, Jeong JS, **Lashuel HA**, Mezzenga R, Dietler G. **Influence of the β -sheet Content on the Mechanical Properties of Aggregates During Amyloid Fibrillization**. Angew Chem Int Ed Engl.. 2015; 54(8):2462-6. doi:10.1002/anie.201409050.
5. **Decock J**, Hendrickx W, Thirkettle S, Gutiérrez-Fernández A, Robinson SD, Edwards DR. **Pleiotropic Functions of the Tumor- and Metastasis-Suppressing Matrix Metalloproteinase-8 in Mammary Cancer in MMTV-PyMT Transgenic Mice**. Breast Cancer Res.. 2015; 17:38. doi:10.1186/s13058-015-0545-8.
6. Mbefo MK, Fares MB, Paleologou K, Oueslati A, Yin G, Tenreiro S, Pinto M, Outeiro T, Zweckstetter M, Masliah E, **Lashuel HA**. **Parkinson Disease Mutant E46K Enhances α -Synuclein Phosphorylation in Mammalian Cell Lines, in Yeast, and in Vivo**. J Biol Chem.. 2015; 290:15. doi:10.1074/jbc.M114.610774.

7. Burai R, Ait-Bouziad N, Chiki A, **Lashuel HA**. **Elucidating the Role of Site-Specific Nitration of α -Synuclein in the Pathogenesis of Parkinson's Disease via Protein Semisynthesis and Mutagenesis**. J Am Chem Soc.. 2015; 137:15. doi:10.1021/ja5131726.
8. Hodeify R, Selvaraj S, Wen J, **Arredouani A**, Hubrack S, Dib M, Al-Thani SN, McGraw T, Machaca K. **A STIM1-Dependent 'Trafficking Trap' Mechanism Regulates Orai1 Plasma Membrane Residence and Ca²⁺ Influx Levels**. J Cell Sci. 2015.128(16):3143-54. doi: 10.1242/jcs.172320
9. **Arredouani A**, Ruas M, Collins SC, Parkesh R, Clough F, Pillinger T, Coltart G, Rietdorf K, Royle A, Johnson P, Braun M, Zhang Q, Sones W, Shimomura K, Morgan AJ, Lewis AM, Chuang KT, Tunn R, Gadea J, Teboul L, Heister PM, Tynan PW, Bellomo EA, Rutter GA, Rorsman P, Churchill GC, Parrington J, Galione A. **Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic β Cells**. J Biol Chem. 2015 Aug 28;290(35):21376-92. doi: 10.1074/jbc.M115.671248.
10. Azizi F, **Arredouani A**, Mohammad RM. **Airway Surface Liquid Volume Expansion Induces Rapid Changes in Amiloride-Sensitive Na⁺ Transport Across Upper Airway Epithelium-Implications Concerning the Resolution of Pulmonary Edema**. Physiol Rep.. 2015 Sep;3(9). pii: e12453. doi: 10.14814/phy2.12453.
11. Favennec M, Hennart B, Caiazzo R, Leloire A, Yengo L, Verbanck M, **Arredouani A**, Marre M, Pigeyre M, Bessede A, Guillemin GJ, Chinetti G, Staels B, Pattou F, Balkau B, Allorge D, Froguel P, Poulain-Godefroy O. **The Kynurenine Pathway is Activated in Human Obesity and Shifted Toward Kynurenine Monooxygenase Activation**. Obesity. 2015. doi:10.1002/oby.21199.
12. Mahul-Mellier AL, Vercruyssen F, Maco B, Ait-Bouziad N, De Roo M, Muller D, **Lashuel HA**. **Fibril Growth and Seeding Capacity Play Key Roles in α -Synuclein-Mediated Apoptotic Cell Death**. Cell Death Differ.. 2015 Jul 3. doi: 10.1038/cdd.2015.79.
13. Ullah E, Shahzad M, Rawi R, **Dehbi M**, Suhre K, Selim M, Mook D and Bensmail H. **Integrative 1H-NMR-based Metabolomic Profiling to Identify Type-2 Diabetes Biomarkers: An Application to a Population of Qatar**. Metabolomics. 2015. 5:136. doi: 10.4172/2153-0769.1000136
14. Mohamed Abu-Farha, Preethi Cherian, Irina Al-Khairi, Ali Tiss, Abdelkrim Khadir, Sina Kavalakatt, Samia Warsame, **Mohammed Dehbi**, Kazem Behbehani & Jihad Abubaker. **DNAJB3/HSP-40 Cochaperone Improves Insulin Signaling and Enhances Glucose Uptake in Vitro Through JNK Repression**. Scientific Reports. 2015; 5,14448. doi:10.1038/srep14448

15. Abdelkrim Khadir, Ali Tiss, Sina Kavalakatt, Kazem Behbehani, Mohammed Dehbi, and Naser Elkum. **Gender-Specific Association of Oxidative Stress and Inflammation with Cardiovascular Risk Factors in Arab Population**. *Mediators of Infection*.2015:512603.
16. Oueslati A, Lovisa B, Perrin J, Wagnières G, van den Bergh H, Tardy Y, Lashuel HA. **Photobiomodulation Suppresses Alpha-Synuclein-Induced Toxicity in an AAV-Based Rat Genetic Model of Parkinson's Disease**. *PLoS One*. 2015 Oct 20;10(10):e0140880. doi: 10.1371/journal.pone.0140880. eCollection 2015.
- 17.S. Vivekanandan, **B. Moovarkumudalvan**, J. Lescar and **P. R.Kolatkar**. **Crystallization and X-ray Diffraction Analysis of the HMG Domain of the Chondrogenesis Master Regulator Sox9 in Complex with a ChIP-Seq-Identified DNA Element**. *Acta Cryst.* (2015). F71, 1437-1441
- 18.Moussa T, Aladbe B, Taha R, Remmers EF, **El-Shanti H**, Fathalla B: **Overlap of Familial Mediterranean Fever and Hyper-IgD Syndrome in an Arabic Kindred**. *Journal of Child Immunology*. 2015; 35(3):249-253
- 19.Paemka L, Mahajan VB, Ehaideb SN, Skeie JM, Tan MC, Wu S, Cox AJ, Sowers LP, Gecz J, Jolly L, Ferguson PJ, Darbro B, Schneider A, Scheffer IE, Carvill GL, Mefford HC, **El-Shanti H**, Wood S, Manak JR, Bassuk AG. **Seizures are Regulated by Ubiquitin-Specific Peptidase 9 X-linked (USP9X), a De-Biquitinase**. *PLoS Genet*.2015; 11(3):e1005022
- 20.Ulusoy E, Karaca NE, **El-Shanti H**, Kilicoglu E, Aksu G, Kutukculer N. **Interleukin-1 Receptor Antagonist Deficiency with a Novel Mutation; Late Onset and Successful Treatment with Canakinumab**. a case report. *J Med Case Rep*. 2015 Jun 23;9:145
- 21.**El Shanti H**, Chouchane L, Badii R, Gallouzi IE, Gasparini P. **Genetic Testing and Genomic Analysis: a Debate on Ethical, Social and Legal Issues in the Arab World with a Focus on Qatar**. *J Transl Med*. 2015 Nov 14;13(1):358.
- 22.Platt DE, Ghassibe-Sabbagh M, Salloum AK, Mouzaya F, Gauguier D, Al-Sarraj Y, **El-Shanti H**, Zalloua PA, Abchee AB: **Caffeine Impact on Metabolic Syndrome Components is Modulated by a CYP1A2 Variant**. *Ann Nutr Metab* 2015; 21;68(1):1-11.
- 23.Narasimhan K, Pillay S, Huang YH, Jayabal S, Udayasuryan B, Veerapandian V, **Kolatkar P**, Cojocararu V, Pervushin K, Jauch R. **"DNA-Mediated Cooperativity Facilitates the Co-Selection of Cryptic Enhancer Sequences by SOX2 and PAX6 Transcription Factors"**. *Nucleic Acids Res*. 2015 Feb 18;43(3):1513-28

24. Kilshaw S1, Al Raisi T, **Alshaban F. Arranging Marriage; Negotiating Risk: Genetics and Society in Qatar**. *Anthropol Med*. 2015; 22(2):98-113. doi: 10.1080/13648470.2014.976542. Epub 2015 Jan 22
25. Karasneh J, Bani-Hani M, **Alkhateeb A**, Hassan A, Alzoubi F, Thornhill M (2015) **TLR2, TLR4 and CD86 Gene Polymorphisms in Recurrent Aphthous Stomatitis**. *J Oral Pathol Med*. 44:857-863.
26. Loïc Yengo, **Abdelilah Arredouani**, Michel Marre, Beverley Balkau, Amélie Bonnefond, Philippe Froguel. **Early Metabolomic Profiling Scores Improves the Prediction of Type2 Diabetes in the Prospective D.E.S.I.R. Study**. *Diabetes* June 2015, 64:Supplement 1 A1-A100; doi:10.2337/db15-1-385
27. **Abdelalim EM, Emara MM** (2015). **Advances and challenges in the Differentiation of pluripotent stem cells into pancreatic β cells**. *World Journal of Stem Cells*, 2015 Jan 26; 7(1): 174-81.
28. H. Javed, S.A. Menon, K.M. Al-Mansoori, M. Al-Wandi, N.K. Majbour, M.T. Ardah, S. Varghese, N.N. Vaikath, M.E. Haque, M. Azzouz, **O.M.A. El-Agnaf**. **Development of Non-Viral Vectors Targeting the Brain as a Therapeutic Approach for Parkinson's Disease and Other Brain Disorders**. *Mol Ther*. 2015 Dec 24. doi: 10.1038/mt.2015.232. [Epub ahead of print].
29. M. Helwig, M. Klinkenberg, R. Rusconi, R.E. Musgrove, N.K. Majbour, **O.M.A. El-Agnaf**, A. Ulusoy and D.A. Di Monte. **Brain Propagation of Transduced α -Synuclein Involves Non-Fibrillar Protein Species and is Enhanced in α -Synuclein Null Mice**. *Brain* 2015 Dec 30. pii: awv376. [Epub ahead of print].
30. N.B. Lawand, N.E. Saadé, **O.M. El-Agnaf**, B. Safieh-Garabedian (2015). **Targeting α -Synuclein as a Therapeutic Strategy for Parkinson's Disease**. *Expert Opin Ther Targets*. 19(10):1351-60.
31. Ryotaro Ishii, Takahiko Tokuda, Harutsugu Tatebe, Takuma Ohmichi, Takashi Kasai, Masanori Nakagawa, Toshiki Mizuno, **O.M.A. El-Agnaf** (2015). **Decrease in Plasma Levels of α -Synuclein is Evident in Patients with Parkinson's Disease after Elimination of Heterophilic Antibody Interference**. *PLOS ONE*, 10(4):e0123162. doi:10.1371/journal.pone.0123162.

Publications/2016

1. Fares MB, Maco B, Oueslati A, Rockenstein E, Ninkina N, Buchman V, Masliah E, **Lashuel HA***. **Induction of de Novo α -Synuclein Fibrillization in a Novel Neuronal Model for Parkinson's Disease**. Proceedings of the National Academy of Sciences USA, 2016, Feb 2. pii: 201512876. [Epub ahead of print]
2. Fauvet B and **Lashuel HA***. **"Semisynthesis and Enzymatic Preparation of Post-Translationally Modified α -Synuclein"**, Methods in Molecular Biology, 2016;1345:3-20.
3. N. K. Majbour, N.N. Vaikath, K.D. van Dijk, M.T. Ardah, S. Varghese, C.E. Teunissen, L.B.Vesterager, L.P. Montezinho, S. Poole, B. Safieh-Garabedian, T. Tokuda, H.W. Berendse, W.D.J. van de Berg and **O.M.A. El-Agnaf** (2016). **Oligomeric and Phosphorylated Alpha-Synuclein as Potential CSF Biomarkers for Parkinson's Disease**. Mol Neurodegener. 2016 Jan 19;11(1):7. doi: 10.1186/s13024-016-0072-9.
4. A.H. Simonsen, B. Kuiperij, **O.M.A. El-Agnaf**, S. Engelborghs, S.K. Herukka, L. Parnetti, I. Rektorova, E. Vanmechelen, E. Kapaki, M. Verbeek, B. Mollenhauer (2016). **The Utility of α -synuclein as Biofluid Marker in Neurodegenerative Diseases: a Systematic Review of the Literature**. Biomark Med. 2016 Jan;10(1):19-34.