EL SHAMIEH Said

Nom:	**El Shamieh**
Prénom:	**Said**
Nationalité:	Libanaise
Lieu de naissance:	Saida, Liban
Situation familiale:	Célibataire
Adresse:	3 Place Brichambeau 54500, Vandoeuvre-lès-Nancy France
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Etudes

2012: Docteur en Sciences de la Vie et de la Santé, spécialité Génomique Humaine, Faculté de Pharmacie, Université de Lorraine, Nancy, France.

2008-2009: Master Recherche «Biologie Moléculaire, Structurale et Cellulaire», Faculté des Sciences, Université Henri Poincaré, Nancy, France.

2007: Licence «Sciences de Laboratoire», Université Libanaise, Saida, Liban.

Formation Continue

2014: *R Language Programming, Johns Hopkins University, avec distinction, Etats Unis d'Amérique.*

2014: *The Data's Scientist Toolbox, Johns Hopkins University, Etats Unis d'Amérique.*

2013: *Initiation au langage PERL, INSERM, Paris, France.*

2011: *Analyses bio-informatique des séquences moléculaires, INSERM, Paris, France.*

Qualification et compétences

Bioinformatique:

- Langage de programmation R
- Traitement de données de séquençage nouvelle génération
- Design d'amorces
- Recherche d'homologie de séquences
- Analyses d'haplotypes

Statistiques:

- Estimation de la fréquence allélique
- Calcul de la déviation de l'équilibre Hardy–Weinberg
- Estimation du coefficient de déséquilibre de liaison
- Calcul de la puissance statistique
- Analyses d'associations génétiques
- Analyses d'interactions gène-gène et gène-environnement

Biologie moléculaire: Biologie cellulaire:

- Extraction d'acides nucléiques
- Culture et différenciation cellulaire
- PCR temps réel (*Applied Biosystems* et Roche)
- ELISA et immuno-histochime
- Hybridation RNA in situ

Expérience Professionnelle

2015 -2016: Post-doctorat à temps partiel (20%), UMR INSERM U 1122, IGE-PCV «Interactions Gène-Environnement en Physiopathologie Cardio-Vasculaire» (précédent Unité de Recherche EA 4373 «Génétique Cardiovasculaire»).

2014-Présent: Assistant Professeur, Master 1 : Physiologie et Biologie Cellulaire, Faculté des Sciences, Sections 1 et 5, Université Libanaise.

- Cours de génétique fondamentale et génome.
- Cours de biologie moléculaire et cellulaire.
- Cours de Génétique moléculaire.

2012-2014: Post-Doctorant, Institut de la Vision, Université Pierre et Marie Curie - Sorbonne, Paris, France.

2009-2012: Doctorant contractuel chargé d'enseignements (192 heures), Faculté de Pharmacie, Université de Lorraine, Nancy, France.

- Cours de biologie animale (7,5 heures).
- Travaux pratiques de biologie expérimentale (50 heures), immunologie (72 heures), bactériologie (15 heures) et de virologie (26 heures).

2011: Co-encadrement d'un étudiant de Master 2 Recherche, Université de Lorraine.

Prix et Bourses

2009-2012: BOURSE DE RECHERCHE REGION LORRAINE.

Publications

1. Akhdar H, **El Shamieh S**, Musso O, Désert R, Joumaa W, Guyader D, Aninat C, Corlu A, Morel F. The rs3957357C>T SNP in GSTA1 Is Associated with a Higher Risk of Occurrence of Hepatocellular Carcinoma in European Individuals. PLoS One. 2016 Dec 9;11(12).

2. Audo I, **El Shamieh S**, Méjécase C, Michiels C, Demontant V, Antonio A, Condroyer C, Boyard F, Letexier M, Saraiva JP, Blanchard S, Mohand-Saïd S, Sahel JS, Zeitz C. ARL2BP mutations account for 0.1% of autosomal recessive rod-cone dystrophies with the report of a novel splice variant. Clinical Genetics. 2016 Oct 28

3. Rancier M, Zaaber I, Stathopoulou MG, Chatelin J, Saleh A, Marmouch H, **El Shamieh S**, Masson C, Murray H, Lamont J, Fitzgerald P, Mahjoub S, Said K, Bel Hadj Jrad Tensaout B, Mestiri S, Visvikis-Siest S. Pro- and anti-angiogenic VEGF mRNAs in autoimmune thyroid diseases. Autoimmunity. 2016 Aug 5:1-7.

4. Boulanger-Scemama E, **El Shamieh S,** Démontant V, Condroyer C, Antonio A, Michiels E, Boyard F, Saraiva JP, Letexier M, Souied E, Mohand-Saïd S, Sahel JA, Zeitz C and Audo I. Next-Generation Sequencing applied to a large French cone and cone-rod dystrophy cohort: mutation spectrum and new genotype-phenotype correlation. **Orphanet Journal of Rare Diseases**. 2015 Jun 24;10:85.

5. Kikuchi S, Kameya S, Gocho K, **El Shamieh S**, Akeo K, Sugawara Y, Yamaki K, Zeitz C, Audo I, Takahashi H. Cone dystrophy in patient with homozygous RP1L1 mutation. **BioMed Research International**. 2015:545243.

6. **El Shamieh S**, Boulanger-Scemama E, Lancelot ME, Antonio A, Démontant V, Condroyer C, Letexier M, Saraiva JP, Sahel JA, Audo I, Zeitz C. Targeted next generation sequencing identifies novel mutations in *RP1* as a relatively common cause of autosomal recessive rod-cone dystrophy. **BioMed Research International**. 2015 : 485624.

7. **El Shamieh S**, Neuillé M, Terray A, Orhan E, Condroyer C, Démontant V, Michiels C, Antonio A, Boyard F, Lancelot ME, Letexier M, Saraiva JP, Léveillard T, Mohand-Saïd S, Goureau O, Sahel JA, Zeitz C, Audo I. Whole exome sequencing identifies *KIZ* as a ciliary gene underlying autosomal recessive rodcone dystrophy. **The American Journal of Human Genetics**. 2014. Apr 3;94(4):625-33.

8. Neuillé M, **El Shamieh S**, Orhan E, Michiels C, Antonio A, Lancelot ME, Condroyer C, Bujakowska K, Poch O, Sahel JA, Audo I, Zeitz C. Lrit3nob6 a novel mouse model of complete congenital stationary night blindness. **PLoS ONE**. 2014 Mar 5;9(3).

9. Siest G, Ndiaye NC, El Shamieh S, Shahabi P, Stathopoulou M, Saleh AS, Godjo T, Albertini L, Visvikis-Siest S. Conference Scene: Systems biology and personalized health science and translation. **Pharmacogenomics.** 2013 Dec;14(16):1953-64.

10. Orhan E, Prézeau L, **El Shamieh S**, Bujakowska KM, Michiels C, Zagar Y, Vol C, Bhattacharya SS, Sahel JA, Sennlaub F, Audo I, Zeitz C. Further insights in GPR179: expression, localization and associated pathogenic mechanisms leading to congenital stationary night blindness. Invest **Ophthalmol Vis Sci**. 2013 Dec 9;54(13):8041-50.

11. Audo I, Bujakowska K, Orhan E, **El Shamieh S**, Sennlaub F, Guillonneau X, Antonio A, Michiels C, Lancelot ME, Letexier M, Saraiva JP, Nguyen H, Luu TD, Léveillard T, Poch O, Dollfus H, Paques M, Goureau O, Mohand-Saïd S, Bhattacharya SS, Sahel JA, Zeitz C. The familial dementia gene revisited: a missense mutation

revealed by whole exome sequencing identifies ITM2B as a candidate gene underlying a novel autosomal dominant retinal dystrophy in a large family. **Human Molecular Genetics**, 2013 Jan 15;23(2):491-501.

12. Stathopoulou MG, Monteiro P, Shahabi P, Peñas-Lledó E, **El Shamieh S**, Silva Santos L, Thilly N, Siest G, Llerena A, Visvikis-Siest S. Newly identified synergy between clopidogrel and calcium-channel blockers for blood pressure regulation possibly involves CYP2C19 rs4244285. **International Journal of Cardiology**, 2013 Oct 3;168(3):3057-8.

13. Nivet-Antoine V, Labat C, **El Shamieh S**, Dulcire X, Cottart CH, Beaudeux JL, Zannad F, Visvikis- Siest S, Benetos A. Relationship between catalase haplotype and arterial aging. **Atherosclerosis**, 2013 Mar;227(1):100-5.

14. Ndiaye NC, **El Shamieh S**, Stathopoulou MG, Siest G, Tsai MY, Visvikis-Siest S. Two epistatic interactions may be involved in blood pressure genetic regulation. **BMC Genetics**, 2013 Jan 8;14:2.

15. A common variant highly associated with plasma VEGFA levels also contributes to the variation of both LDL-C and HDL-C. Stathopoulou MG*****, Bonnefond A*****, Ndiaye NC*****, Azimi Nezhad M, **El Shamieh S**, Saleh A, Rancier M, Siest G, Lamont J, Fitzgerald P, Visvikis-Siest S. **Journal of Lipid Research**, 2013 Feb;54(2):535-41.

16. **El Shamieh S**, Ndiaye NC, Stathopoulou MG, Murray HA, Masson C, Lamont JV, Fitzgerald P, Benetos A, Visvikis-Siest S. Functional epistatic interaction between rs6046G>A in *F7* and rs5355C>T in *SELE* modifies systolic blood pressure levels in 8,220 European individuals. **PLoS ONE**, 2012;7(7).

17. **El Shamieh S** and Visvikis-Siest S. Hypertension genetic biomarkers and future challenges with the emerging of epigenomics**. Clinica Chimica Acta**, 2012 Dec 24;414:259-65.

18. Mangino M, Hwang SJ, Spector TD, Hunt SC, Kimura M, Fitzpatrick AL, Christiansen L, Petersen I, Elbers CC, Harris T, Chen W, Srinivasan SR, Kark JD, Benetos A, **El Shamieh S**, Visvikis-Siest S, Christensen K, Berenson GS, Valdes AM, Viñuela A, Garcia M, Arnett DK, Broeckel U, Province MA, Pankow JS, Kammerer C, Liu Y, Nalls M, Tishkoff S, Thomas F, Ziv E, Psaty BM, Bis JC, Rotter JI, Taylor KD, Smith E, Schork NJ, Levy D, Aviv A. Genome Wide Association points toward CTC1 and ZNF676 as telomere regulating genes. **Human Molecular Genetics**, 2012 Dec 15;21(24):5385-94.

19. Froguel P, Ndiaye NC, Bonnefond A, Bouatia-Naji N, Dechaume A, Siest G, Herbeth B, Falchi M, Bottolo L, Guéant-Rodriguez RM, Lecoeur C, Langlois MR, Labrune Y, Ruokonen A, **El Shamieh S**, Stathopoulou MG, Morandi A, Maffeis C, Meyre D, Delanghe JR, Jacobson P, Sjöström L, Carlsson LM, Walley A, Elliott P, Jarvelin MR, Dedoussis GV, Visvikis-Siest S. A genome-wide association study identifies rs2000999 as a strong genetic determinant of circulating Haptoglobin levels. **PLoS ONE**, 2012 ;7(3):e32327.

20. Ndiaye NC*, Azimi-Nezhad M*, **El Shamieh S***, Stathopoulou MG*, Visvikis-Siest S. Cardiovascular diseases and Genome-Wide Association Studies. **Clinica Chimica Acta**, 2011 Sep 18;412(1920):1697- 701. *** Equal First authors**

21. Nzietchueng R* and **El Shamieh S*** Benachour H, Labat C, Herbeth B, Ndiaye NC, Masson C, Visvikis-Siest S, Benetos A. Klotho KL-VS genotype is involved in blood

pressure regulation. **Clinica Chimica Acta,** 2011 Sep 18;412 (19-20):1773-7. *** Equal First authors**

22. **El Shamieh S,** Herbeth B, Azimi-Nezhad M, Benachour H, Masson C, Visvikis-Siest S. Human formyl peptide receptor 1 C32T SNP is associated with increased blood pressure levels **Clinica Chimica Acta**, 2010 Jan 18;413(1-2):34-8.

Conférences internationales

A- Présentations orales

2014: Faculté de Medecine, *American University of Beirut*, Liban.

2014: *Fifth annual Young researchers in Life Sciences conference*, Paris, France.

2014: *UniGR-Workshop Systems Biology, Epigenetics & Systems Analysis*, Saarbrücken, Allemagne.

2013: *International Society for Genetic Eye Diseases & Retinoblastoma*, Ghent, Belgique.

2012: *Sixth Santorini International Conference*, Santorin, Grèce.

2010: *Fourth International Meeting of the French Society of Hypertension*, Paris, France.

B- Présentations poster:

2014: *ARVO conference*, Orlando, Florida, Etats Unis d'Amérique.

2011: *5th International Meeting of the French Society of Hypertension*, Paris, France.

2010: *5th Santorini International Conference*, Santorin, Grèce.

Scientifique Association membres

2013-2014: Membre de l'*Association for Research in Vision and Ophtalmology*.

2011: Membre de l'*European Society of Pharmacogenomics and Theranostics*.

Langues

Français: Courant
Anglais: Courant
Arabe : Langue Maternelle