**Solomon Oguche Alhassan**

Department of Surgery, Tulane University School of Medicine, New Orleans

| 504-638-1852| salhassan@tulane.edu

**Education**

|  |  |
| --- | --- |
| March 2018 – June 2021 | **PhD in Cell and Molecular Biology**  *Universidad Austral de Chile, Valdivia, Chile* |
| March 2015 -July 2017 | **Master of Science in Biochemistry**  Ahmadu Bello University, Nigeria |
| January 2013 – July 2014 | **Master of Science in Public Health**  *University of Lagos, Lagos, Nigeria* |
| February 2006 – May 2010 | **Bachelor of Science (Honours) in Biochemistry**  *Kogi State University, Nigeria* |

**Research Experience**

|  |  |
| --- | --- |
| June 2022 - Present | **Post-doctoral research fellow (Oncology)**  Department of Surgery, Tulane University, New Orleans, USA |
| July 2021 – November 2021 | **Clinical Trials Research Assistant**  *Alberta Prostate Cancer Initiative, Edmonton, Canada* |
| February 2018 – March 2021 | **Marie Skłodowska-Curie H2020 Early-Stage Researcher**  *European Commission/Universidad Austral de Chile, Valdivia, Chile* |
| November 2014 – November, 2017 | **Scientific Officer I**  *National Biotechnology Development Agency, Abuja, Nigeria* |
| August 2013 – March, 2014 | **Student Research Assistant**  *Department of Community Health, University of Lagos* |
| August 2009 – February 2010 | **Chemical Pathology Laboratory Intern**  *National Hospital, Abuja, Nigeria* | |

**Teaching, Mentoring and Community Service**

|  |  |
| --- | --- |
| February 2012 – December 2013 | **Science Instructor**  *Blooms Academy, Abuja, Nigeria* |
| August 2018 – February 2020 | **Volunteer Lab Demonstrator**  *Explora de Conicyt Abre, Ministerio de Educacion, Valdivia, Chile* |
| March 2016 – December 2016 | **Laboratory Practical Assistant**  *Department of Biochemistry, Ahmadu Bello University, Nigeria* |
| February 2011 – October 2011 | **President**  *PET- Adolescent Reproductive Health - Community Service and Development Group, National Youth Service Corp, Ado-Ekiti, Nigeria.* |
| February 2009 – June 2009 | **Tutorials Instructor**  *National Association of Biochemistry Students (Kogi State*  *University Chapter)* |

**Awards and Fellowships**

|  |  |  |
| --- | --- | --- |
| October 2017 | **Marie Skłodowska-Curie H2020 Fellowship**  *European Commission* | |
| May 2017 | **H3ABioNet Travel and Training Scholarship**  *Pan African Bioinformatics Network* | |
| September 2011 | **Excellence in Community Development Service Leadership**  *National Youth Service Corps.* | |
| May 2010 | **NABS Prize: Award for Academic Excellence in Biochemistry**  *Kogi State University, Nigeria* | |
| **Certifications and courses** | |

|  |  |
| --- | --- |
| November 2021 | **Clinical Research Coordinator (CRC)** *Health Canada* |
| October 2021 | **Certification in Good Clinical Practice – Study Coordinators**  *Health Canada* |
| August 2021 | **Drugs for Clinical Trials Involving Human Subjects**  *Health Canada* |
| November 2014 | **Certificate in Epidemics**  Hong Kong University through Edx |
| November 2013 | **Certificate in Health and Society**  Harvard University through Edx |

|  |
| --- |
| **Peer-Reviewed Publications** |

1. **Alhassan, S. O.**, & Atawodi, S. E. O. (2019). Chemopreventive effect of dietary inclusion with *Crassocephalum rubens* (Juss ex Jacq) leaf on N-methyl-N-nitrosourea (MNU)-induced colorectal carcinogenesis in Wistar rats. Journal of Functional Foods, 63:103589
2. **Alhassan, S.O.**, Valenzuela, G.N., Muller, M., Kausel G (2021). Integrative analysis of small RNA signatures of serum-derived extracellular vesicles in endocrine disruptor exposed Cyprinus carpio (*Submitted*, Comparative Biochemistry and Physiology - Part D)
3. **Alhassan, S.O.**, Kausel G, Muller, M. (2021). Identification of gene co-expression and regulatory networks in the liver transcriptome of zebrafish exposed to estrogenic endocrine disruptors (*Submitted*)
4. Kandil E.; Ruiz E., **Alhassan S.O.**; Toraih E, Errami E; Elmageed Z (2022). Aging reshapes the genomic and transcriptional landscape in patients with thyroid cancer (Submitted)

|  |
| --- |
| **Conference Oral Presentations** |

1. International Endocrine disruptor conference on the Island of Ireland: Characterization of whole-organism response to estrogen via transcriptomic analysis of extracellular vesicles present in the blood of *Cyprinus carpio*. Belfast, Northern Ireland. 15-16 June 2021.
2. Annual meeting of Chilean Society of Genetics: Functional analysis of serum exosomal miRNAs and their targets dysregulated in response to estrogen treatment in *Cyprinus carpio*. Santiago Chile, 24-27 November 2020.

|  |
| --- |
| **Conference Poster Presentations** |

1. European Molecular Biology Laboratory (EMBL): From functional genomics to systems biology. Integrative analysis of small RNA signatures of serum-derived extracellular vesicles in estrogen-treated Cyprinus carpio and Danio rerio. Heidelberg, Germany. 16-19 November 2020.
2. European Molecular Biology Laboratory (EMBL): From functional genomics to systems biology. Exosome characterization to develop markers for endocrine disruptors in the blood of Cyprinus carpio. Heidelberg, Germany, 10-13, November 2018.
3. African Organisation for Research and Training in Cancer (AORTIC): Chemopreventive effect of dietary inclusion dietary plants on N-methyl-N-nitrosourea (MNU) models of colorectal cancer. Kigali, Rwanda. 7-10 November 2017.

|  |
| --- |
| **Society Memberships** |

|  |  |
| --- | --- |
| 2021 | Alberta Society of Clinical Chemists |
| 2021 | American Society for Biochemistry and Molecular Biology |
| 2020 | Marie Curie Alumni Association |
| 2017 | African Organisation for Research and Training in Cancer (AORTIC) |
| 2017 | Nigerian Society of Biochemistry and Molecular Biology |