

Curriculum Vitae
Sabastine E. Arthur, Ph.D.
March 5, 2021

1. Personal Information

Sabastine Eugene Arthur
101 Pinegate Circle, Apt 5
Chapel Hill, NC 27514
United States of America
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2. Professional Experience – Employment History

Postdoctoral Research Associate, UNC, Chapel Hill, NC, US, 2021 – Present
Postdoctoral Scholar, WACCBIP, UG, Legon, Ghana, 2020.
Doctoral Researcher, University of Cambridge, Cambridge, UK, 2016 – 2020
Quality Assurance Supervisor, Reser's Fine Foods, Halifax, NC, US, 2016
Service Assistant I, University of Arkansas, Fayetteville, AR, US, 2015 – 2016
Graduate Assistant, University of Arkansas, Fayetteville, AR, US, 2015 – 2016
Teaching Assistant (National Service), UCC, Cape Coast, Ghana, 2011 – 2012

3. Education

Postdoctoral Research Associate, University of North Carolina (UNC), Chapel Hill, NC, 2021
– Present, Virology
Postdoctoral Scholar, West Africa Centre for Cell Biology of Infectious Pathogens
(WACCBIP), University of Ghana (UG), Legon, Ghana, 2020, Virology
Ph.D., University of Cambridge, Cambridge, UK, 2016 – 2020, Pathology
M.S., University of Arkansas, Fayetteville, AR, US, 2013 – 2015, Cell and Molecular Biology
B.S., *First Class*, University of Cape Coast (UCC), Cape Coast, Ghana, 2007 – 2011,
Molecular Biology and Biotechnology

4. Bibliography and Products of Scholarship

Research Articles:

- 1) **Arthur, S. E.**, Sorgeloos, F., Hosmillo M., & Goodfellow I. G. (2019). Spontaneous Loss of IL28RA Expression Leads to an Enhanced HuNoV Replication *In vitro*. **mBio**. 10(5): e02155-19.
- 2) **Arthur, S. E.** & Gibson, K. E. (2015). Physicochemical stability profile of Tulane virus – Human Norovirus Surrogates. **Journal of Applied Microbiology**. 119 (3): 868-875.
- 3) **Arthur, S.E.** & Gibson K.E. (2015). Environmental persistence of Tulane virus—a surrogate for human norovirus. **Canadian Journal of Microbiology**. 62 (5): 449-454.

Review Articles:

- 1) **Arthur, S. E.** & Gibson, K. E. (2015). Comparison of Methods for Evaluating the Thermal Stability of Human Enteric Viruses. **Food and Environmental Virology**. 7 (1):14-26.

Published Conference Proceedings:

- 1) Gibson, K. E., Almeida, G., Conover, D., Ghosh, A., **Arthur, S. E.**, Hsueh, T., Jackson, J., & Smith L. (2015). Evaluation of Pathogen Survival in Fresh Water Sediments and Implications for Irrigation Water Quality. In 2015 **Annual meeting. International Association for Food Protection**.

Invited Talks:

International meetings

- 1) Spontaneous Loss of IL28RA Expression Leads to an Enhanced HuNoV Replication
In vitro.
Microbiology Society Focused Meeting
June 2018, Dublin, Republic of Ireland.

University or research institutions

- 1) Spontaneous Loss of IL28RA Expression Leads to an Enhanced HuNoV Replication
In vitro
WACCBIP, UG, Legon, Ghana
May 2019.
- 2) Spontaneous Loss of IL28RA Expression Leads to an Enhanced HuNoV Replication
In vitro.
Noguchi Memorial Research Institute, UG, Legon, Ghana.
December 2018

5. Grants and Awards

- 1) Cambridge-Africa Scholarship (2016 – 2018)
- 2) Microbiology Society Education and Outreach Grants (2018)
- 3) Downing Student Support Endowment Award (2018)
- 4) Microbiology Society Conference Grants - Microbes and Mucosal Surfaces (2018)
- 5) Graduate Research Assistantship (2013 – 2015)
- 6) Food Science Department Outstanding MS Student Academic Achievement Award (2015)
- 7) Food science department Nominee for Dale Bumpers Distinguished M.S. Scholar (2015)
- 8) Food Science Club - Graduate Student Research Oral Competition (2015) – Third Place Award.

- 9) From Abstract to Contract: A Graduate Student Research Poster Competition (2014) – Food Science Category First Place Award.
- 10) Arkansas Association for Food Protection Educational Conference (2014) – UA Centre for Food Safety Foodborne Pathogens- Fundamental Understanding Poster First Place Award.

6. Memberships and Leadership

- 1) Africans in STEM symposium (2019)
University of Cambridge, UK
Lead Organizer.
- 2) Ghanaian Scholars' Research Conference (2018)
Holiday Inn, Coventry, UK
Lead Organizer.
- 3) Cambridge University Ghanaian Society (2017– 2018)
University of Cambridge, UK
President.
- 4) Biochemical Society, UK (2019– 2020)
Student member.
- 5) Microbiology Society, UK (2017– 2020)
Student member.
- 6) American Society for Virology, US (2017– 2020)
Student member.

7. References

Professor Ian Goodfellow

Deputy Head of Department
Department of Pathology
University of Cambridge
Addenbrooke's Hospital
Hills Road, CB2 0QQ
Cambridge UK
Email: ig299@cam.ac.uk

Dr. Caroline Trotter

Academic Director, Cambridge-Africa Program
Department of Pathology
University of Cambridge
Tennis Court Road, CB2 1QP
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Dr. Kristen E. Gibson

Associate Professor, Food Safety and Microbiology

University of Arkansas

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