
Curriculum Vitae
Julia Burrill, PhD

CONTACT INFORMATION

Alan Alda Center for Communicating Science
School of Communication and Journalism
Stony Brook University
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EDUCATION

- 2016 – 2021** **PhD, Molecular Biology, Dept. of Analytical, Environmental & Forensic Sciences**
King's College London, London, United Kingdom
- 2010 – 2011** **MFS, Forensic Molecular Biology, Dept. of Forensic Sciences**
The George Washington University, Washington, DC
- 2003 – 2007** **BS, Biology, Dept. of Biology**
Haverford College, Haverford, PA

PROFESSIONAL APPOINTMENTS

- 2021 – Present** **Postdoctoral Associate for Forensic Science Communication**
Alan Alda Center for Communicating Science, Stony Brook University
- 2016 – 2021** **Teaching Assistant**
King's College London
- 2011 – 2016** **Forensic Scientist**
The Public Defender Service for the District of Columbia
- 2010 – 2011** **DNA Technician**
The Bode Technology Group
- 2008 – 2009** **Research Technician**
Structural Biology, New York University Langone School of Medicine
- 2007** **Forensic Recovery Technician**
StormRiders, New York Office of the Chief Medical Examiner

PUBLICATIONS

Refereed Journal Articles

Burrill, J., Daniel, B., & Frascione, N. (2019). A review of trace “Touch DNA” deposits: Variability factors and an exploration of cellular composition. *Forensic Science International: Genetics*, 39, 8-18.

Burrill, J., Daniel, B., & Frascione, N. (2020). Illuminating touch deposits through cellular characterization of hand rinses and body fluids with nucleic acid fluorescence. *Forensic Science International: Genetics*, 46, 102269.

Burrill, J., Kombara, A., Daniel, B., & Frascione, N. (2020). Exploration of cell-free DNA (cfDNA) recovery for touch deposits. *Forensic Science International: Genetics*, 51, 102431.

Burrill, J., Rammenou, E., Alawar, F., Daniel, B., & Frascione, N. (2020). Corneocyte lysis and fragmented DNA considerations for the cellular component of forensic touch DNA. *Forensic Science International: Genetics*, 51, 102428.

Burrill, J., Hotta, R., Daniel, B., & Frascione, N. (2021). Accumulation of endogenous and exogenous nucleic acids in “Touch DNA” components on hands. *Electrophoresis*, 42 (16), 1594-1604.

Burrill, J., Daniel, B., & Frascione, N. (2022). Lysis and purification methods for increased recovery of degraded DNA from touch deposit swabs. *Forensic Science International*, 330, 111102.

COMPETITIVE CONFERENCE PRESENTATIONS

Burrill, J. (2022). “Do you understand what I’m saying?” Communication methods for forensic scientists. *Gordon Research Seminar in Forensic Analysis of Human DNA*.

Burrill, J., Hackman, L., & Doran, H. (2022). “Do you understand what I’m saying?” Communication methods for forensic scientists. *European Academy of Forensic Sciences*.

Burrill, J. (2022). Touch DNA communication in the courtroom: Developing methods for the effective communication of forensic science data. *American Academy of Forensic Sciences*.

Burrill, J. (2020). Touch and trace DNA applications. *Qiagen Virtual Student & Young Researcher Seminars in Forensic DNA*.

Burrill, J. (2019). In and out of touch: Endogenous and exogenous contributions to touch DNA deposits. *International Society of Forensic Genetics*.

Burrill, J. (2018). Investigation of components of ‘touch DNA’ deposits. *Gordon Research Seminar in Forensic Analysis of Human DNA*.

Burrill, J. (2018). A scientific defense: Translating DNA to attorneys and criminal defense to scientists. *Mid-Atlantic Association of Forensic Scientists Conference*.

TEACHING EXPERIENCE

Stony Brook University, Stony Brook, New York

JRN415/COM415: Data Analysis and Storytelling

King's College London, London, United Kingdom

7BBFM128: Forensic Biology (Casework Practical)

6BBB0326: Molecular Biology (Practical)

MBBS/FBS 1: Biochemistry (Tutorial)

STUDENT MENTORSHIP

Mentee Name	Date(s)	Mentee Position/Dept.	Project/Program
Anju Kombara	2017	Erasmus+ Research Student	Analytical, Enviro & Forensic Sci
Fatima Alawar	2018	MSc Project Student	Analytical, Enviro & Forensic Sci
Elli Rammenou	2019	MSc Project Student	Analytical, Enviro & Forensic Sci
Rachel Hotta	2019	MSc Project Student	Analytical, Enviro & Forensic Sci

AWARDS AND HONORS

Outstanding Thesis Award (2022). Awarded by the Postgraduate Research Office of King's College London to approximately 20 recipients across all University schools and departments each year. Recipients are nominated by the external examiners who assess their research theses and are judged by a panel consisting of the Director of Research Talent and the Chair of the Research Degrees Examinations Board.

Dick Saferstein Memorial Award for Best Poster (2018). Awarded by the voting attendees at the Gordon Research Conference in Forensic Analysis of Human DNA.

Fulbright-KCL Partnership Award (2016). Awarded by the US-UK Fulbright Commission, the Fulbright Scholar recipients are granted full tuition waivers, living stipend and travel stipend for the expected duration of a regular non-clinical PhD (4 years).

Magna cum laude (2007). Awarded by Haverford College to the graduates with a GPA in the top 10% of the graduating class.