

George Adams

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Summary

I am a consultant haematologist, clinical lecturer, and medico-legal expert witness with broad experience spanning clinical medicine, academic research, and applied data science. I provide CPR Part 35-compliant expert witness reports in general and specialist haematology, covering thrombosis and anticoagulation, obstetric haematology, myeloma, leukaemia, lymphoma, transfusion medicine, and complex cytopenias. My medico-legal work includes clinical negligence, personal injury, occupational health assessments, and coronial investigations. I am Bond Solon trained and experienced in delivering clear, balanced, evidence-based opinion suitable for court use.

Clinically, I work as a consultant at London North West University Healthcare NHS Trust with a focus on coagulation/thrombosis, obstetric haematology, and malignant haematology (leukaemia/lymphoma). I complement this with an academic appointment at Imperial College London, where my research centres on AI, deep learning, and computational pathology.

My multidisciplinary background includes master's degrees in computer science, statistics, epidemiology, and biophysics, as well as a PhD in computational biology and deep learning. I have published across medical science, computational biology, and pathology, and received multiple awards from ASH, BSH, the Royal Statistical Society, and Imperial College. Since 2024, I have been the lead data scientist at Hertility Health, developing machine-learning tools to support scalable, data-driven women's health services.

Keywords: medico-legal expert, CPR Part 35, thrombosis, obstetric haematology, malignant haematology, AI, deep learning, statistics, data science.

Education

- **PhD, Imperial College London (2018–2022)** Computational biology and deep learning applied to 3D bone marrow imaging; development of spatial statistics tools and novel ML pipelines.
- **MSc, Computer Science (2020–2023)**, University of Bath
- **MSc, Statistics (1st Class, 2017–2021)**, University of Glasgow
- **MSc, Epidemiology/Biostatistics (2017–2018)**, Imperial College London
- **MBChB (Medicine), 2007–2011**, University of Bristol
- **MSci (Biochemistry), 2002–2006**, Imperial College London

Additional Qualifications

- FRCPath (Haematology), 2023
- MRCP (UK), 2013
- Graduate Statistician (RSS), 2022
- ARCS, 2006

Current Roles

Consultant Haematologist — London North West University Healthcare NHS Trust — Sept 2024–Present

- Clinical focus on coagulation and thrombosis, obstetric haematology, and malignant haematology (leukaemia/lymphoma).
- Management of complex haemostasis disorders and delivery of multidisciplinary care across acute and outpatient settings.
- Contribution to local pathways, governance, and guideline development.

Honorary Consultant Haematologist & Lecturer in Haematology — Imperial College London — 2022–Present

- NIHR-funded lecturer in computational medicine and data-driven pathology.
- Research on deep learning for diagnostic pathology, cellular segmentation, and computational phenotype prediction.
- Statistical advisor to clinical research groups; supervision of undergraduate, MSc, and PhD students.
- Clinical investigator for academic and translational studies.

Lead Clinical Data Scientist — Hertility Health — Nov 2024–Present

- Development of ML and statistical tools supporting fertility and reproductive health decision-making.
- Cross-functional work with engineering, research, and clinical operations to validate AI-based clinical pathways.
- Lead statistician for internal and external research collaborations.

Medico-Legal Expert Witness (Haematology) — Independent Practice — Nov 2023–Present

- Bond Solon trained; experienced in CPR Part 35–compliant reporting.
- Expertise in thrombosis, anticoagulation, haemorrhage, myeloma, leukaemia, lymphoma, transfusion reactions, complications of chemotherapy, and cytopenia evaluation.
- Preparation of reports for clinical negligence, personal injury, causation and quantum, occupational exposure, and coronial cases.
- Responsive service with clear timescales, written reports, and court-ready documentation.

Previous Roles

- **Expert Haematologist** — AstraZeneca — 2023–2024 Deep learning and spatial analytics for bispecific antibody and targeted therapy programmes; development of ML tools for translational research.
- **ZINC/NIHR Transformation Fellow** — 2024–2025 AI-driven analysis and automated data extraction from gynaecological ultrasound imaging.
- **Topol Digital Fellow, NHS England** — 2024–2025 Development of early-stage AI diagnostics for blood film interpretation.
- **Clinical Research Fellow (PhD)** — Imperial College London — 2018–2022
- **Haematology Registrar & Academic Clinical Fellow** — NW London — 2015–2022
- **Foundation & Core Medical Trainee** — NHS London — 2011–2015

Awards

- Royal Statistical Society Research Prize (2023)
- SAS Prize for Statistics, University of Glasgow (2021)
- “I Make a Difference” Awards, Imperial College NHS Trust (2016, 2020)
- BSH Scholarship Award (2018)
- ASH Young Scientist Award (2016)
- Audit Prize, East Kent NHS Trust (2012)

Selected Publications & Posters

- Modular AI pipeline in Gynaecology — *under review, Nature* (2025)
- PACESS: Practical AI-based Cell Extraction in 3D Imaging — *Cell* (2025)
- Outcomes in Acquired Haemophilia & Elotuzamab (ISTH 2024)
- Modelling Cancer Dynamics in Leukaemia (RSS 2023)
- vWF/ADAMTS-13 Axis in Preeclampsia — *JTH* (2023)
- Super-diffusion in Haematopoietic Cells — *PLoS One* (2022)
- GES-5 Carbapenemase Outbreak — *Sci. Transl. Med.* (2019)
- CNS Lymphoma ASCT Analysis — *Bone Marrow Transplant* (2017)