



THE GUY FOUNDATION

2026 AUTUMN SERIES ON BIOENERGETICS, HEALTH AND THE QUANTUM ENVIRONMENT

PROGRAMME

All sessions 15:00hrs–17:00hrs UK-time on Zoom

Session 1: Wednesday 23 September

Mitochondrial origins

Introduction: Professor Alistair Nunn, The Guy Foundation and University of Westminster

Speaker: Professor Nick Lane, UCL

Session 2: Wednesday 7 October

The electron transport chain

Introduction: Dr Rhys Mould, University of Westminster

Speaker: Professor Wayne Frasch, Arizona State University

Session 3: Wednesday 21 October

Mitochondria and health

Introduction: Professor Alistair Nunn, The Guy Foundation and University of Westminster

Speaker: Professor Doug Wallace, The Children's Hospital of Philadelphia and The University of Pennsylvania

Speaker: Dr Lance Becker, Northwell Health

Session 4: Wednesday 4 November

Mitochondria and brain energetics

Introduction: Sanika Ghayal, University of Westminster

Speaker: Professor James W Lee, Old Dominion University

Speaker: Dr Nirosha Murugan, Wilfrid Laurier University

Session 5: Wednesday 18 November

The quantum mitochondrion

Introduction: Dr Betony Adams, The Guy Foundation and Stellenbosch University

Speaker: Professor Alistair Nunn, The Guy Foundation and University of Westminster

Session 6: Wednesday 2 December – roundtable session

Implications for health and disease

Recap of the series: Dr Betony Adams, The Guy Foundation and Stellenbosch University

Speaker: Professor Alistair Nunn, The Guy Foundation and University of Westminster

Roundtable discussion co-chaired by Dr Geoffrey Guy and Dr Lance Becker



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About the series

The 2026 Autumn Series aims to bridge scales: from quantum and molecular processes within mitochondrial electron transport chains, to whole-organism outcomes such as disease, cognition, and ageing. By exploring how disruptions in bioenergetics give rise to systemic dysfunction, the series links microscopic mechanisms to macroscopic health. We will also explore how changes in the quantum environment – light exposure, lifestyle, technology, the built environment, and even space travel – affect human health by acting on biology at its most fundamental level.

Registration and talks

Scientists, researchers and interested individuals are invited to register to attend the live meetings by contacting Nina Copping, Programme Director n.copping@theguyfoundation.org.

Watch the talks: videos of the talks will be available on our website: <https://www.theguyfoundation.org/our-online-lectures/> and YouTube channel: <https://youtube.com/@theguyfoundation>. Stay up to date by subscribing to our YouTube channel and opt to receive notifications when new talks are uploaded.

About The Guy Foundation

The Guy Foundation is a UK-based charitable foundation established in 2018 to facilitate thinking and research on the role of quantum mechanics and thermodynamics in living systems, with the ultimate goal of using this understanding to advance healthcare. We curate, lead and fund an inter-disciplinary research collaboration and have published a number of scientific papers. We support the scientific community by convening online symposia on quantum biology and bioenergetics and we host an active network of over 350 scientists and institutions across the globe. You can find more details on our website, including talks, publications and who we are: <https://www.theguyfoundation.org/>

Previous speakers

Dr Betony Adams	Stellenbosch University and The Guy Foundation
Professor Margaret Ahmad	Sorbonne University
Dr Clarice Aiello	The Quantum Biology Institute
Professor Masashi Aono	Keio University
Dr Nathan Babcock	Howard University
Professor Wendy Beane	Western Michigan University
Dr Afshin Beheshti	University of Pittsburgh
Professor Jimmy Bell	University of Westminster; Scientific Advisor to The Guy Foundation
Professor Stanley Botchway	Central Laser Facility, UKRI; Scientific Advisor to The Guy Foundation
Dr Wolfgang Brysch	MetrioPharm AG
Dr Ed Calabrese	University of Massachusetts
Dr Michal Cifra	Czech Academy of Sciences

Dr Dave Ecker	Ionis Pharmaceuticals
Professor Margit Egg	University of Innsbruck
Professor Matthew Fisher	University of California Santa Barbara
Dr Robert Fosbury	UCL and the European Southern Observatory (ESO)
Professor Wayne Frasch	Arizona State University; Scientific Advisor to The Guy Foundation
Dr David Furman	Buck Institute for Research on Aging
Professor Michael Hamblin	University of Johannesburg
Dr Theodore Goodson	University of Michigan
Dr Ali Hassanali	The International Center for Theoretical Physics, Trieste
Dr Lise Hébert	Picchio International
Professor Mohab Ibrahim	The University of Arizona
Professor Glen Jeffery	UCL Institute of Ophthalmology
Professor Judith Klinman	UCLA Berkeley
Dr Philip Kurian	Howard University; Scientific Advisor to The Guy Foundation
Professor Nick Lane	University College London
Professor Mike Levin	Allen Discovery Center at Tufts University
Professor Johnjoe McFadden	University of Surrey
Dr Alasdair Mackenzie	Central Laser Facility, UKRI at the Harwell campus
Professor Massimo Maffei	Università di Torino
Professor Joao Pedro Magalhaes	University of Birmingham
Dr Thomas H Marshburn	Sierra Space and retired NASA Flight Surgeon and Astronaut
Professor James Moon	Barts Heart Centre
Professor Karl Morten	University of Oxford
Dr Rhys Mould	University of Westminster
Professor Alistair Nunn	University of Westminster; Director of Science, The Guy Foundation
Professor Marco Pettini	Aix-Marseille University
Professor Martin Plenio	Ulm University
Dr Jan Pokorný	Czech Academy of Sciences
Professor Christopher D Porada	Wake Forest Institute for Regenerative Medicine
Dr Ken Raj	Altos Labs Cambridge Institute of Science
Dr Brian Ross	The Quantum Biology Institute
Professor Gregory Scholes	Princeton University
Dr Roger Seheult	Loma Linda University
Professor Martyn A Sharpe	Houston Methodist Hospital
Professor Christoph Simon	University of Calgary
Dr Scott M Smith	Human Health and Performance Directorate, NASA Johnson Space Center
Steve Thorne	The Copernican Project
Professor Li-Heui Tsai	Picower Institute, MIT
Professor Jack Tuszyński	University of Alberta
Professor Gábor Vattay	Eötvös Loránd University
Brent Vaughan	Cognito Therapeutics
Professor Vlatko Vedral	University of Oxford
Professor Giuseppe Vitiello	University of Salerno
Professor Douglas C Wallace	The Children's Hospital of Philadelphia (CHOP)
Professor Steve Wedge	Cancer Research UK
Professor Richard Weller	University of Edinburgh
Professor Jonathan Woodward	The University of Tokyo