



THE GUY FOUNDATION

QUANTUM BIOLOGY & BIOENERGETICS ONLINE LECTURES 2021 AUTUMN SERIES PROGRAMME

Series Chair: Professor Geoffrey Guy, Founder and Chairman, The Guy Foundation

Opening session: Wednesday 22 September

15:00hrs-17:00hrs BST

Professor Jimmy Bell, Head, Research Centre for Optimal Health, University of Westminster; Scientific Advisor to The Guy Foundation - *Introductory talk*

Professor Douglas C Wallace, Director, Center for Mitochondrial and Epigenomic Medicine at The Children's Hospital of Philadelphia Research Institute – *Electromagnetic coupling in the biological context*

Session 2: Wednesday 6 October

15:00hrs-17:00hrs BST

Dr Rhys Mould, Research Fellow, Research Centre for Optimal Health, University of Westminster – *Introductory talk*

Professor Michael Hamblin, Distinguished Visiting Professor, Laser Research Centre, University of Johannesburg - *Mechanisms of photobiomodulation and application to the brain*

Session 3: Wednesday 20 October

14:30hrs-16:30hrs BST **note different start time**

Professor Marco Pettini, Professor of Theoretical Physics, Aix-Marseille University – *Introductory talk*

Professor Jack Tuszyński, Professor of Physics and Adjunct Professor of Oncology, University of Alberta – *Uncovering electrodynamic design principles of living cells and a potential role of quantum interactions in cellular signal processing*

Session 4: Wednesday 3 November

15:00hrs-17:00hrs GMT

Dr Nathan Babcock, Postdoctoral Scholar, Quantum Biology Laboratory, Howard University – *Introductory talk*

Professor Margaret Ahmad, Director of Research, Institute of Biology Paris-Seine, Sorbonne University – *Therapeutic application of light and electromagnetic fields to reduce hyper-inflammation triggered by COVID-19*

Session 5: Wednesday 17 November

15:00hrs-17:00hrs GMT

Dr Philip Kurian, Founding Director, Quantum Biology Laboratory, Howard University; Scientific Advisor to The Guy Foundation – *Introductory talk*

Professor Christoph Simon, Institute for Quantum Science and Technology & Hotchkiss Brain Institute, University of Calgary - *Potential roles of radical pairs and photons in the brain*

Closing session: Wednesday 1 December

15:00hrs-17:00hrs GMT

Summary of the series talks and roundtable discussion

Timings are UK-time (BST to 31st October; GMT thereafter).

Attendance is by invitation from The Guy Foundation www.theguyfoundation.org



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PREVIOUS SPEAKERS

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| Professor Masashi Aono | Keio University, Japan |
| Professor Jimmy Bell | Research Centre for Optimal Health, University of Westminster, UK; and Scientific Advisor to The Guy Foundation |
| Professor Stanley Botchway | Central Laser Facility, STFC-UKRI, Harwell, UK; and Scientific Advisor to The Guy Foundation |
| Dr Ed Calabrese | University of Massachusetts, USA |
| Professor Michal Cifra | Czech Academy of Sciences, Czech Republic |
| Professor Wayne Frasch | Arizona State University, USA; and Scientific Advisor to The Guy Foundation |
| Dr Theodore Goodson | University of Michigan, USA |
| Professor Judith Klinman | College of Chemistry, UCLA Berkeley, USA |
| Dr Philip Kurian | Howard University, USA; and Scientific Advisor to The Guy Foundation |
| Professor Nick Lane | University College London, UK |
| Professor Mike Levin | Allen Center at Tufts University, USA |
| Professor Alistair Nunn | Visiting Professor, Research Centre for Optimal Health, University of Westminster, UK; and Director of Science, The Guy Foundation |
| Professor Marco Pettini | Aix-Marseille University, France |
| Professor Martin Plenio | Ulm University, Germany |
| Professor Gregory Scholes | Princeton University, USA |
| Professor Li-Heui Tsai | Picower Institute, MIT, USA |
| Professor Gábor Vattay | Eötvös Loránd University, Hungary |
| Professor Giuseppe Vitiello | University of Salerno, Italy |

Written proceedings and video recordings of previous lectures
are available on our website:

www.theguyfoundation.org