## Contact

www.linkedin.com/in/michael-david-forrest-phd (LinkedIn)

## Top Skills

Drug Design

Drug Development

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## Languages

Portuguese (Elementary)

## Certifications

Duolingo Portuguese Fluency: Elementary (Estimated)

## Honors-Awards

MSc & PhD Scholarship

Selected to be a Journal and Funding Reviewer

## Publications

The role of tryptophan in staphylococcal nuclease stability

The Sodium-Potassium Pump Controls the Intrinsic Firing of the Cerebellar Purkinje Neuron

The sodium-potassium pump is an information processing element in brain computation

Why cancer cells have a more hyperpolarised mitochondrial membrane potential and emergent prospects for therapy

Simulation of alcohol action upon a detailed Purkinje neuron model and a simpler surrogate model that runs >400 times faster

## Patents

Therapeutic inhibitors of the reverse mode of atp synthase

Therapeutic modulators of the reverse mode of atp synthase

# Michael Forrest Ph.D.

Drug Inventor | Founder at Biophysical Therapeutics
United Kingdom

## Summary

Dual expertise in the biological and computational sciences, which I now apply to rational drug design. Particularly, but not restrictively, to cancer.

## Experience

### Biophysical Therapeutics

Drug Inventor | Founder

September 2017 - Present (8 years 9 months)

Computational biology to design new drugs.

Principally targeting cancer, age-related diseases (e.g., Alzheimer's disease), and aging itself.

### British Army Reserve

Paratrooper, Parachute Regiment Reserve (4 PARA)

June 2008 - Present (18 years)

Active service in Afghanistan

## Education

### University of Cambridge

Bachelor's degree, Natural Sciences Tripos (Biochemistry)

### University of Warwick

PhD, Computer Science

### The University of Edinburgh

Master's degree, Neuroscience

### University of Cambridge

Master's degree, Natural Sciences Tripos