

Preface

The consensus is that Quantum Mechanics is the foundation for all of existence, inanimate and animate alike. The problem in applying it to physiology is what is referred to as the “explanatory gap,” or decoherence, which refers to the unlikelihood that there could be an interface between Quantum Mechanics and the “classical” wet, sloppy nature of physiology. However, a Bayesian approach to the evolution of physiology has determined that Symbiogenesis is actually founded on Quantum Entanglement—that is, when gravity impinges on a curved surface like that of a lipid-based micelle, it generates energy that would have been used to sustain the Quantum Entanglement of particles within protocells. With this perspective in mind, the following chapters address the application of Quantum Mechanics to the evolution of physiology from its very beginning as the transition from matter to life. No longer do we have to fear that in the way that Mary Shelley related the tale in her book *Frankenstein, the Modern Prometheus*. Now that we know the causal nature of life, we can embrace it in order to truly understand our origin and fate, and live freely without fear, or so is my hope in presenting this work to you, dear reader.

John S. Torday

Professor of Pediatrics, Obstetrics and Gynecology, and
Evolutionary Medicine, University of California, Los Angeles,

Los Angeles, CA, United States

Fellow, The European Academy of Science and Arts,
Salzburg, Austria