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I see science as a way of making sense of reality. Indeed, the world is not random but presents rules and regularities. Irrespective of origin and scale, data display *skewed distributions, sigmoid curves, spirals, and power laws* as well as *oscillations* and, at times, *chaos*. Mathematical models and computer simulations can be tailored to reproduce these ubiquitous patterns. Yet, science is not about modeling and mimicking but finding relationships between causes and effects.

Universality implies a universal principle. Discovering the general law that underlies the ubiquitous patterns is my most important merit. It is an old idea that everything comprises the same basic building blocks. It is a new idea that the ancient *atomon* is today's *quantum* [of action]. The *non-equilibrium statistical physics for open quantized systems* describes systems in evolution toward balance in their evolving surroundings. The theory, also known as the 2nd law of thermodynamics and the principle of least action in its original form, explains non-determinate and emergent courses of history as well as identifies the arrow of time with the flow of quanta.

The statistical theory of open quantized systems is a very powerful precept to make sense of a broad range of phenomena, as is apparent from the spectrum of my papers that invariably follows from the profound premises. I have used the statistical theory in tackling fundamental questions from elementary particles to cosmic expansion and from origin of life to the downfall of societies. I also understand information as physical and computation as a least-time process. Most importantly, insightful results comply with quantitative measurements.

I am sure this understanding of reality will inspire many research collaborations as well as provide insight into teaching. I am also most motivated to use my expertise and experience in outreach.

Yours sincerely,

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