

Epilogue

We always had the reader in mind who should be guided into a landscape that is partly familiar and partly not. We hope to have delivered together with all these wonderful contributions a work that was worth the effort. We are aware that today's description of the potential and properties of biological electrodynamic fields may tomorrow be altered or extended by additional properties (for example, entanglement can be understood as a property of that field).

There are an increasing number of researchers of that new field and perhaps this reflects a revolution that is taking place in biology, namely the deep (rather than only superficial) inclusion of physical fields to explain the structures and processes of living organisms.

We face great questions in biology. How could cells arise? Why do they divide? How is the tremendous dynamic complexity within and between cells organized? In what way, and by what mechanisms are cells intelligent?

We already ask some of these questions and we also have answers to some of them. Whether these answers are correct depends also on the framework of our thoughts – our theories and models – because it determines how we build an experimental set-up. Taking cell fields into account changes the way we build up an experiment and also of how we interpret previous studies that did not test for a confounding effect from cell fields.

We wish this book to be part of a transition phase from a world-view where we shift from narrow cause-effect methodology to a larger view of the process where cause and effect become part of the same feedback system in the process of self-building. In that sense, we suggest to give up asking what was first, the chicken or the egg, but rather to study how the two evolve.

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