

Preface

The present study is primarily aimed at an audience of evolutionary biologists in the broad sense for Parts 1-3, as well as at scientists from other professional disciplines looking for new approaches to explore phenomena in nature. However, the content is in general not written as technical text or filled with equations that make it utterly incomprehensible for 'normal' people, although they would have to skip strictly professional biochemical and biological terms that are a constituent part of the evidence in a scientific sense. Therefore, large parts of Part 2 may also be enjoyed by a broader audience with little prior insight into evolutionary biology or science, when in search of explanations for the phenomena that we see in nature.

Finally, Part 4 – with a view into Parts 1-3 – is meant for systems analysts and researchers striving to find a general systems theory. Parts 3 and 4 are the only parts that are not relevant for a general audience.

A Note for the Reader

Extensive use of references in scientific literature is generally perceived as evidence in favour of an author's statement when synthesizing findings in the literature on a given topic. At the same time, when applying citations of such literature one has to copy the text literally including printing errors, references and everything relevant, unless otherwise explicitly stated. Including such references in cited text often a) creates confusion because such references are not included in the reference list even if they appear in the text; and furthermore b) they tend to add an unnecessary cognitive burden on the reader. Therefore, references with cited text in the present publication have been replaced by the italicized text '*ref*' or '*refs*', i.e. single or plural, depending on the number of references omitted in a given place.

About the Author/Contributors

The author, JBMcN, is the initiator and sole contributor to the present study. JBMcN and her husband, Dr. Peter McNair, in close cooperation developed the ATCG model described in [1] ('Applied Theory accounting for human moleCular Genetics'), which constitutes a solid foundation for the present work. The author has a master degree in biochemistry, a master degree in computer science (systems development, informatics) and a European Doctorate and PhD in health informatics. The author has had a full-time research position for about 35 years, divided on a university hospital, the software industry and a university, while cross-fertilising the two professions; the time in the industry and the university mainly was dedicated to participation in large and advanced EU R&D Research projects. This combination of professional experience has enabled the present study.

The present study was performed outside of any job or grant affiliation, while the author had an emeritus position at the Aalborg University. The author has since the year 2000 been a member of the scientific team describing the Mereon Matrix (for this, see [2]), went on early retirement in 2011 to work full time on the Mereon Matrix, and is independently continuing such scientific investigations on the matrix.

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Conflicting Interests

The author declares that there was and is no conflicting interests, financial or otherwise, that would or could have influenced the outcome of the study.

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¹ CIC is an acronym for 'Community Interest Company', a non-profit organisation located in the United Kingdom.