

# **Porphyrions**

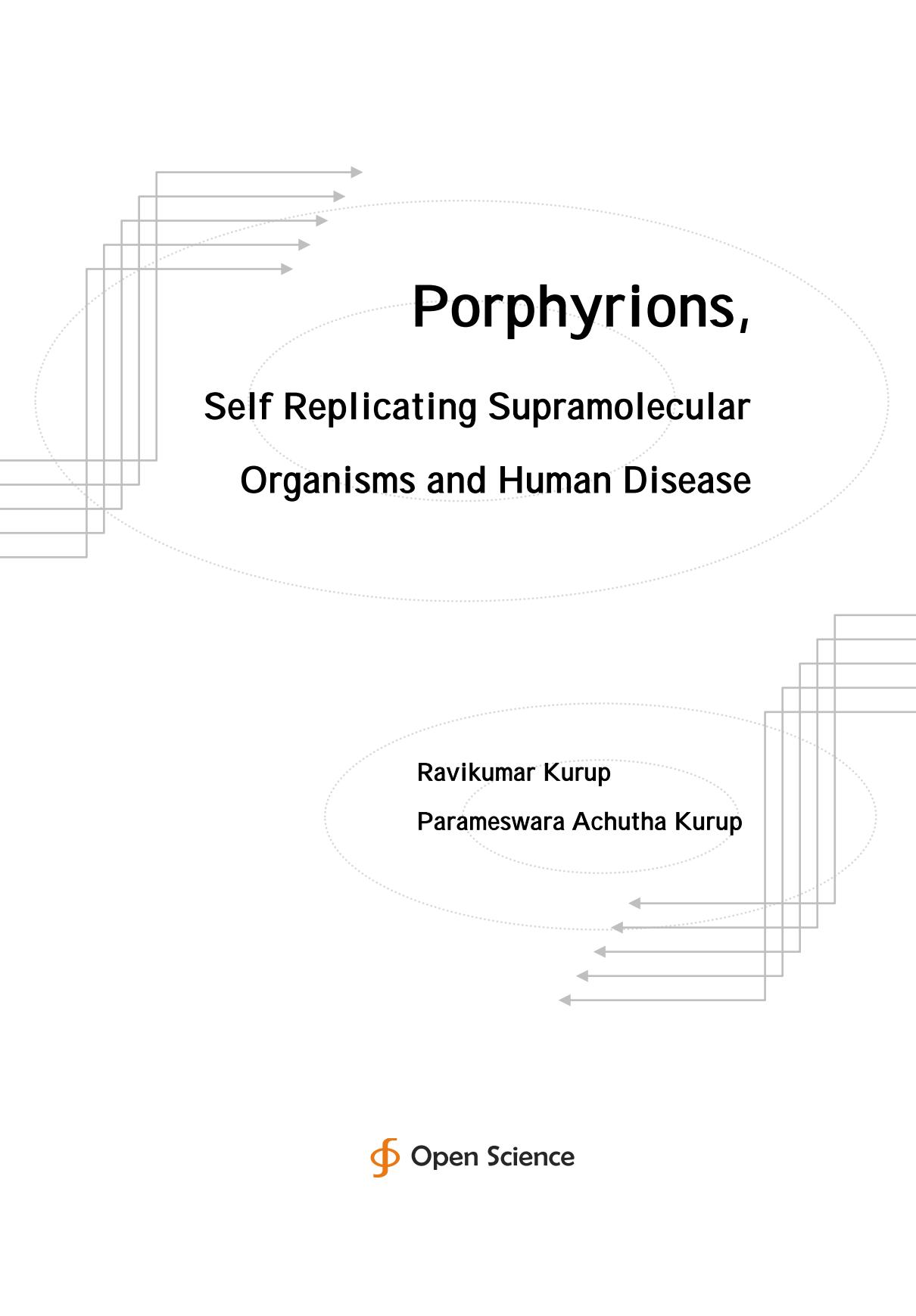
## **Self Replicating Supramolecular Organisms and Human Disease**

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**Ravikumar Kurup  
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## **Self Replicating Supramolecular Organisms and Human Disease**

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ISBN: 978-1-941926-46-8

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Published in 2016 by Open Science Publishers

228 Park Ave., S#45956, New York, NY 10003, U.S.A.

<http://www.openscienceonline.com>

# **Contents**

Chapter 1 Neanderthal Hybrids: Climate Change and Porphyrians Generates Neanderthal Hybrids and Mind-Body Phenotypic Change.....	9
Chapter 2 Porphyrians, Neo-neanderthalisation and Human Disease - The Origins of Cancer, Autoimmune Disease, Neurodegeneration, Metabolic Syndrome X and Schizophrenia/Autism .....	23
Chapter 3 Porphyrians - The Origin of Retroviral Resistance and Emerging Viral Pandemics - The Crossing of Species Barrier and New Viruses .....	37
Chapter 4 Porphyrians Induced Stem Cell Conversion Produces an Epidemic Benjamin Buttons Reverse Aging Syndrome Leading to Systemic and Neuropsychiatric Diseases and a Spiritual, Surrealistic Evil Brain .....	49
Chapter 5 The Extinction of Homo Sapiens and Symbiotic Neanderthalisation - Relation to Porphyrians Mediated Rna Viroids and Amyloidosis .....	65
Chapter 6 Porphyrians Regulate Neural Transmission, Conscious/Quantal Perception and Hemispheric Dominance - Porphyrians Induce Autism, Seizure Disorder, Schizophrenia and Chronic Fatigue Syndrome .....	75
Chapter 7 Porphyrians and the Aging Process .....	95
Chapter 8 Porphyrians, Immune Regulation and Autoimmune Disease .....	119
Chapter 9 The Porphyrians and Genetic Regulation - a Porphyrians Induce Trisomy 21 and Huntington's Disease.....	141

Chapter 10 Porphyrions Regulate the Metabolic and Endocrine System - Porphyrions Induce the Warburg Phenotype, Endogenous Digoxin Synthesis and Metabolic Syndrome X with Type 2 Diabetes Mellitus.....	163
Chapter 11 Porphyrions and Regulation of Cell Proliferation and Differentiation - Porphyrions Induce Oncogenesis .....	183
Chapter 12 Porphyrions and Regulation of Cell Death - Porphyrions Induce Neurodegeneration - Alzheimer's Disease, Parkinson's Disease and Motor Neuron Disease.....	205
Chapter 13 Porphyrions Regulates Neurodevelopment and Hemispheric Dominance - Porphyrions Induce Autism, Trisomy 21, Attention Deficit Hyperactivity Disorder and Cerebral Palsy .....	227
Chapter 14 Porphyrions and Retroviral State .....	251
Chapter 15 Porphyrions and Conformational Disease - Porphyrions Induce Slow Viral Disease - Creutzfeldt Jakob's Disease.....	271
Chapter 16 The Porphyrions and Systemic Diseases - Porphyrions Induce Cirrhosis Liver, Chronic Renal Failure, Vascular Thrombosis, Chronic Obstructive Pulmonary Disease and Interstitial Lung Disease .....	291
Chapter 17 Porphyrions - Relation to Cvs-Pulmonary-Git Dysautonomia, Coronary/Cerebral Microangiopathy, Polyendocrine Failure and Chronic Fatigue/Panic Syndrome Complex .....	315
Chapter 18 Porphyrions and Human Disease - Dietary Fibre and Pollution Related Antioxidant Deficiency Induced Civilizational Disease - Modulation by Dietary Fibre and Antioxidant Vitamins E and C.....	345

## Introduction

There is increased porphyrin synthesis leading onto porphyriuria and porphyria. The stimulus for porphyrin synthesis comes from heme deficiency. Heme suppresses ALA synthase. Stress induces heme oxygenase which converts heme to carbon monoxide and bilirubin. Thus heme is depleted from the system. Heme oxygenase is induced by environmental stress. Climatic changes of global warming and ice age can induce heme oxygenase. Heme oxygenase is also induced by EMF pollution of the environment. Thus there is increased porphyrin synthesis from succinyl CoA and glycine. Defect in heme synthesis and heme depletion leads to deficiency of heme enzymes. Deficiency cytochrome C oxidase and aconitase leads to mitochondrial oxidative phosphorylation defects and TCA cycle defects. This leads to pyruvate dehydrogenase deficiency and defect in synthesis of acetyl CoA. There is increase in glycolysis consequent to porphyrin photo-oxidation induced free radical generation and HIF alpha induction. This produces the Warburg phenotype. The increased level of pyruvate that is generated is converted to glutamate and ammonia. Thus there is hyperammonemia as a consequence of the metabolic defect. Since glycine is utilized for porphyrin synthesis serine is not synthesized leading onto deficiency of the substrate for synthesis of cystathione. This leads to accumulation of homocysteine and homocystinuria. Deficiency of acetyl CoA leads to defects in the isoprenoid pathway and defective synthesis of cholesterol and ubiquinone. There is also deficiency of the heme containing cholesterol synthesizing enzyme lanosterol synthase. This leads to a cholesterol depleted state.

The increase in porphyrins leads to cortical dysfunction and prefrontal cortex atrophy. The porphyrins can destroy the human endogenous retroviruses and the

jumping genes leading to lack of dynamicity of the genome. This leads onto maldevelopment of the prefrontal cortex. This leads onto cerebellar dominance and a cerebellar cognitive affective disorder. This produces porphyrin related quantal perception. Porphyrins are dipolar molecules and in the setting of porphyrin mediated membrane sodium potassium ATPase inhibition induced pumped phonon system can produce a quantal perceptive state. Porphyrins are macromolecules which can have both a wave and particle existence and can bridge the particulate world and the quantal world. Membrane sodium potassium ATPase inhibition induced dipolar porphyrin mediated pumped phonon system can lead onto a cellular plasma state and EM F signal transduction. Macromolecules like RNA, DNA, protein and the cell itself can have an EMF signature. This porphyrin generated macromolecular cellular EMF signature is important in regulation of cell function. The porphyrins can have quantal perception of low level EMF fields leading to prefrontal cortex atrophy. This leads onto cortical dysfunction and lack of functioning of the conscious brain. The cerebellum dominates and the unconscious takes over. This leads onto Neanderthalisation of the brain and schizophrenia and autism. The heme deficiency leads to lack of synthesis of the heme enzyme cytochrome P420 dependent sex hormones and a widespread asexual state. The mitochondrial dysfunction leads onto insulin resistance and metabolic syndrome X. The Warburg phenotype and increased glycolysis leads to oncogenesis. The mitochondrial dysfunction can produce neurodegeneration. The increase in lymphocyte glycolysis can produce immune activation and autoimmune disease. Thus the stress induced porphyria due to climatic change and environmental pollution can lead to civilisational disease.

The porphyrins can self organize to form macromolecular structures which can self replicate to form a porphyrin organism. The photon induced transfer of electrons along the macromolecule can lead to light induced ATP synthesis. The

porphyrins can form a template on which RNA and DNA can form generating viroids. The porphyrins can also form a template on which prions can form. They all can join together - RNA viroids, DNA viroids, prions - to form primitive archaea. Thus the archaea are capable of self replication on porphyrin templates. The self replicating archaea can sense gravity which gives rise to consciousness. They can also sense the anti-gravity fields which gives rise to the unconscious brain. Thus there can be both self replicating archaea and anti-archaea regulating the conscious and unconscious brain. Thus the climate change stress mediated increased porphyrin synthesis leads to prefrontal cortex atrophy, cerebellar dominance, cerebellar cognitive affective disorder, quantal perception and Neanderthalisation of the population. The porphyrons are self replicating supramolecular organisms which forms the precursor template on which the viroids, prions and nanoarchaea originate.

