

# **Chapter 7**

## **The Homo Neanderthalis and The Dravidians - A Common Origin and Relation to Harappan Civilization and Vedas**

## Introduction

The postulated lemurian part of the Indian sub-continent in South India is inhabited by the dominant Nair community. The dominant Nair community also has a high incidence of autism. Neanderthal anthropometric features have been described in autism. Neanderthal metabolonomics have also been described in autism. It is possible that homo neanderthalis would have originated in the super continent which occupied the southern ocean. The island of Sumatra is home to another human species homo floresiensis which lived along with homo neanderthalis. This suggests an oceanic origin of homo neanderthalis in the supercontinent in the southern ocean. Recurrent Tsunamis would have forced the migration of homo neanderthalis to the Eurasian land mass especially to Harappa, Sumeria, Etruscia, Egypt and Basque country. There is a high incidence of Neanderthal genes in the Basque population. The language spoken in Harappa, Sumeria, Etruscia, Egypt and Basque country had a Dravidian substratum. The population in these areas is matrilineal and female dominant. This suggests an out of Oceania hypothesis for the origin of homo neanderthalis.<sup>1-13</sup>

## Materials and Methods

Neanderthal anthropometric features were evaluated in the Nair community and in autism. The parameters checked include dolichocephalic skull, prominent supraorbital ridge and mid face large flat nose and ring finger index finger ratios.

## Results

The Nair community had a high prevalence of Neanderthal anthropometric features. Neanderthal anthropometric features were also dominant in autism.

**Table 1.** Incidence of autism in Nair, autistic and non-Nair population.

Groups	Autism	Percentage
Nair	68 cases	68
Non-Nair	32 cases	32
Total	100	

**Table 2.** Anthropometric features in Nair, autistic and non-Nair population.

Groups	Neanderthal anthropometric	Total cases	Percentage
Nair	72 cases	100	72
Non-Nair	21 cases	100	21
Autism	81 cases	100	81

## Discussion

Neanderthal anthropometric features were seen in autism and Nair community dominating the part of the Indian subcontinent derived from Lemuria. This suggests a lemurian supercontinent origin of the homo neanderthalis. The homo neanderthalis shared the lemurian supercontinent with another human species called homo floresiensis. Homo floresiensis has been detected in the island of Sumatra in Indonesia. The Nair community dominates the Kerala coast of South India. The Nair community is matrilineal and Dravidian. There are other civilizations speaking the Dravidian language important in human evolution like Harappa, Sumeria, Etruscia, Egypt and Basque country. These civilizations may have a Neanderthal substratum. They would have migrated to the Eurasian land mass from the lemurian supercontinent when it was destroyed by tsunamis in the Indian ocean. The Tsunamis would have evolved due to archaeal overgrowth in the southern ocean during the ice age. The archaea are extremophiles. The archaeal overgrowth in the Indian ocean bed in the ice age would have released methane. This would have triggered movement of the earth crust, earthquakes and tsunamis. The

same endosymbiotic archaeal growth would have led to evolution of homo neanderthalis. The endosymbiotic archaeal metabolism in primates would have generated the species homo neanderthalis. The homo neanderthalis contributed to the civilizations of Harappa, Sumeria, Etruscia, Egypt, Basque and Celts. They were all matrilineal with gender equality. They had a symbolic language predominantly non-vocal. Music, dance and painting as a form of communication were prevalent in these societies. This is exemplified by the Harappan language dominated by Harappan seals and the Egyptian hieroglyphics. The concept of spirituality evolved in these societies including the worship of the mother goddess.

The increased prevalence of autism in the Dravidian Nair community has been documented. Autistic children and the Nair population tend to have Neanderthal anthropometric features. The South Indian land mass was a part of the lemurian supercontinent in the Indian and Southern ocean which was destroyed by giant Tsunamis and the population inhabiting the supercontinent are represented by the Dravidian population of South India. The population that migrated from the lemurian land mass travelled over to the Eurasian land mass creating the urban civilizations of Harappa-Mohenjodaro, Sumeria, Etruscia, Basque, Celts and Egypt. All these ancient civilizations were co-terminus and existed at the same point of time at least 10,000 years BC. The Harappa-Mohenjodaro civilization is considered to be Dravidian and the Harappan script has been decoded and found to be Akkadian-Dravidian. All the Harappa-Mohenjodaro, Sumeria, Etruscia, Basque, Celts and Egypt civilizations spoke the Akkadian-Dravidian language. As has been demonstrated the Dravidian Nair community has Neanderthal anthropometric features and Neanderthal metabolonomics. All the above mentioned civilizations have a possible Neanderthal origin. The Dravidian community is postulated to have evolved in the lemurian continent.

The homo neanderthalis would have evolved in the lemurian supercontinent in the Indian and Southern ocean during periods of extremes of weather. During the ice age and periods of global warming, there is increasing growth of the extremophilic archaea in the human body and oceanic ecosystems. The increasing growth of archaea in the ocean bed leads to release of methane which triggers catastrophic earthquakes in the oceans. This precipitates Tsunamis in the Indian ocean and one of them would have destroyed the lemurian land mass triggering a mass exodus. This would be the basis of the flood myths in history. The increasing growth of cholesterol catabolizing archaea in the primates leads to evolution of homo neanderthalis. The archaea binds to the toll receptor inducing HIF alpha suppressing mitochondrial function and increasing glycolysis. The archaeal catabolism of cholesterol produces cholesterol depletion and bile acid deficiency. Both these factors induce the metabolic syndrome and insulin resistance leading to trunkal obesity and the Neanderthal phenotype. The low cholesterol levels leads to vitamin D deficiency and rickets generating the Neanderthal phenotype with the characteristic anthropometric features. The cholesterol catabolism and ring oxidation leads to generation of pyruvate which is transferred to the GABA shunt pathway. This generates glycine and succinyl CoA synthesizing porphyrins which are dipolar molecules. The cholesterol catabolism generates digoxin which inhibits membrane sodium potassium ATPase and produces a Bose-Einstein condensate via the dipolar porphyrins inducing quantal perception. The digoxin induced membrane sodium potassium ATPase inhibition depletes the cell of magnesium inhibiting reverse transcriptase activity and HERV generation. The HERV produces genomic flexibility and lack of it leads to prefrontal cortex atrophy. The porphyrin induced quantal perception of low level EMF also leading to prefrontal cortex atrophy. There is cerebellar dominance in the Neanderthal phenotype leading onto increased intuitiveness, quantal perception, spirituality, community spirit,

compassion, equality and feeling of oneness with the environment. Thus the Neanderthal phenotype would have evolved in the lemurian continent with its attached Antarctic land mass in the ice age. The Neanderthals would evolve due to similar mechanism during period of global warming. The evolution near the Antarctic part of the Lemuria and the decreasing availability of sunlight would have contributed to the light skin colour of Neanderthals. The Neanderthals following destruction of the lemurian supercontinent would have migrated to Harappa-Mohenjodaro, Sumeria, Etruscia, Basque, Celts and Egypt creating a global Dravidian civilization. This civilization had a language, was spiritual, had gender equality and social equality. It was also a creative urban civilization in Harappa-Mohenjodaro, Sumeria, Etruscia, Basque, Celts and Egypt.

The Harappa-Mohenjadaro, Sumeria, Etruscia, Basque, Celts and Egypt are essentially Dravidian and neanderthalic. The Harappan civilization was thus similarly neanderthalic and Dravidian. The initial inhabitants of Harappa were the asuras and they are the Dravidian Neanderthals. The Rig veda had a Harappan origin. The principal God the Rig veda is Varuna - the God of the Oceans. Such a concept would have evolved only in a land mass surrounded by oceans and in ocean travelers suggesting a neanderthalic Dravidian origin of Rig veda. The Indus script has been deciphered and is supposed to be logographic and of Akkadian-Dravidian origin. The Harappan civilization had thus a language, Rig vedic religion, laws and was urbanised. The Harappan civilization originated in and was made up of Neanderthal Dravidians migrating from Lemuria destroyed by tsunamis. It was a sister civilization to the other neanderthalic Dravidian civilizations of Sumeria, Etruscia, Basque, Celts and Egypt. It was part of the global Dravidian civilization.

The Rig veda includes concepts of battle between asuric neanderthalic Dravidians of Harappa and the invading homo sapien devas. The homo sapien

devas had a different brain structure with predominant prefrontal lobe and smaller cerebellum. They evolved out of Africa and HERV generation led to a dynamic large prefrontal cortex. They were different phenotypically from the asuric Dravidian Neanderthals. The asuric Dravidian Neanderthals were cultured with language, religion, laws and social organization. The asuric Dravidian Neanderthals were matrilineal. They were more gender-equal with alternate modes of sexual behaviour. The asuric Dravidian Neanderthals were social equal with a primitive type of communism. The homo sapien devas did not have a language, laws or religion and were relatively uncivilized. They were more patriarchal and male dominant. The homo sapien deva invasion of the neanderthalic Harappan society led to the generation of Neanderthal hybrids and the hybrids got their religion and language as well as civilized behaviour from the neanderthalic Harappan Dravidians. The basis of human creativity can be related to this interaction between the Dravidian asuric Neanderthals and the homo sapien devas. The Rig veda is basically of Dravidian neanderthalic origin. The initial global language was Akkadian-Dravidian. The Sanskrit language is a modification of the Akkadian-Dravidian script. The homo sapien deva invasion led to the collapse of the global Dravidian civilization of Harappa-Mohenjodaro, Sumeria, Etruscia, Basque, Celts and Egypt. The great religions of the world the Judaeo-Christianity, Muslim and Hindu are basically Dravidian Neanderthal and Semitic. The Dravidian Neanderthal community migrating out of Lemuria was the basis of the Semitic community and the Semitic religions of the world. The neanderthalic brain was attuned to quantal perception and spirituality.

In the present situation of global warming there is an increased growth of archaea in the human system and neanderthalisation of humans. The Neanderthals have returned and the human brain is becoming neanderthalic in behavior and function. This is responsible for the rising tide of autism, schizophrenia and metabolic syndrome X in the world.

The metal actinides provide radiolytic energy, catalysis for oligomer formation and provide a coordinating ion for metalloenzymes all important in abiogenesis. The metal actinide surfaces would by surface metabolism generate acetate which could get converted to acetyl CoA and then to cholesterol which functions as the primal prebiotic molecule self organizing into self replicating supramolecular systems, the lipid organism. Cholesterol by radiolysis by actinides would have formed PAH generating PAH aromatic organism. Cholesterol radiolysis would generate pyruvate which would get converted to amino acids, sugars, nucleotides, porphyrins, fatty acids and TCA acids. Anatase and rutile surfaces can produce polymerization of amino acids, isoprenyl residues, PAH and nucleotides to generate the initial lipid organism, PAH organism, prions and RNA viroids which would have symbiosed to generate the archaeal protocell. The archaea evolved into gram negative and gram positive bacteria with a mevalonate pathway which had an evolutionary advantage and the symbiosis of archaea with gram negative organism generated the eukaryotic cell. The data supports the persistence of an actinide and cholesterol based shadow biosphere which throws light on the actinide based origin of life and cholesterol as the premier prebiotic molecule. The presence of placer deposits and mineral sands containing monazite, illmenite, rutile and thorium in the lemurian supercontinent would have made it the ideal place for the primitive cell, nanoarchaea, eukaryote, multicellular eukaryote, primates and humans to evolve. Anthropological studies have provided evidence for the evolution of primates and homo sapiens in the rift valley of Kenya part of the prehistoric lemurian continent.

The archaea can synthesize magnetite by biomineralisation. The archaeal cholesterol catabolism can generate PAH. The archaea can exist as nanoarchaea and can have calcified nanoforms. The actinidic magnetotactic nanoarchaea and its secreted PAH organisms are extremophiles and survive in the interstellar

space and can contribute to the interstellar grains and magnetic fields which play a role in the formation of the galaxies and star systems. The cosmic dust grains occupy the intergalactic space and are thought to be formed of magnetotactic bacteria identified according to their spectral signatures. According to the Hoyle's hypothesis, the cosmic dust magnetotactic bacteria play a role in the formation of the intergalactic magnetic field. A magnetic field equal in strength to about one millionth part of the magnetic field of earth exists throughout much of our galaxy. The magnetic files can be used to trace the spiral arms of the galaxy following a pattern of field lines that connect young stars and dust in which new stars are formed at a rapid rate. Studies have shown that a fraction of the dust particles have elongated shape similar to bacilli and they are systematically lined up in our galaxy. Moreover the direction of alignment is such that the long axes of the dust tend to be at right angles to the direction of the galactic magnetic field at every point. Magnetotactic bacteria have the property to affect the degree of alignment that is observed. The fact that the magnetotactic bacteria appear to be connected to the magnetic field lines that thread through the spiral arms of the galaxy connecting one region of star formation to another support a role for them in star formation and in the mass distribution and rotation of stars. The nutrient supply for a population of interstellar bacteria comes from mass flows out of supernovas populating the galaxy. Giants arising in the evolution of such stars experience a phenomenon in which material containing nitrogen, carbon monoxide, hydrogen, helium, water and trace elements essential for life flows continuously outward into space. The interstellar bacteria need liquid water. Water exists only as vapour or solid in the interstellar space and only through star formation leading to associated planets and cometary bodies can there be access to liquid water. To control conditions leading to star formation is of paramount importance in cosmic biology. The rate of star formation is controlled by two factors: Too high a rate of star

formation produces a destructive effect of UV radiation and destroys cosmic biology. Star formation as stated before produces water crucial for bacterial growth. Cosmic biology of magnetotactic bacteria and star formation are thus closely interlinked. Systems like solar systems do not arise in random condensation of blobs of interstellar gas. Only by a rigorous control of rotation of various parts of the system would galaxies and solar system evolved. The key to maintaining control over rotation seems to lie in the intergalactic magnetic field as indeed the whole phenomena of star formation. The intergalactic magnetic fields owes its origin to the lining up of magnetotactic bacteria and the cosmic biology of interstellar bacteria can prosper only by maintaining a firm grip on the interstellar magnetic field and hence on the rate of star formation and type of star system produced. This points to a cosmic intelligence or brain capable of computation, analysis and exploration of the universe at large - of magnetotactic bacterial networks. The origin of life on earth according to the Hoyle's hypothesis would be by seeding of bacteria from the outer intergalactic space. Comets carrying micro organisms would have interacted with the earth. A thin skin of graphitized material around a single bacteria or clumps of bacteria can shield the interior from destruction by UV light. The sudden surge and diversification of species of plants and animals and their equally sudden extinction has seen from fossil records point to sporadic evolution produced by induction of fresh cometary genes with the arrival of each major new crop of comets. The interstellar PAH aromatic organism is formed from nanoarchaeal cholesterol catabolism. The PAH and cholesterol are the interconvertible primal prebiotic molecules. PAH aromatic organism and nanoarchaeal magnetite can have a wave particle existence and bridge the world of bosons and fermions. The nanoarchaea can form biofilms and the PAH aromatic organism can form a molecular quantum computing cloud in the biofilm which forms an interstellar intelligence regulating the formation of star systems and galaxies. The

magnetite loaded nanoarchaeal biofilms and PAH aromatic organism quantal computing cloud can bridge the wave particle world functioning as the anthropic observer sensing gravity which orchestrates the reduction of the quantal world of possibilities in to the macroscopic world. The actinide based nanoarchaea can regulate the earth's carbon cycle by methanogenesis, nitrogen cycle by ammonia oxidation and rain formation by contributing the seeding nucleus. The earth's temperature and global warming and cooling are regulated by nanoarchaeal synthesized PAH from cholesterol and methanogenesis. The increased nanoarchaeal growth in ocean beds and soil leads to increased methane production and movement of the earth's crust producing tsunamis and massive earthquake leading to catastrophic mass extinction. This nanoarchaeal growth in the Southern ocean and Indian ocean bed due to global warming induced by civilizational progress and human activity would have led to methane burps in the ocean bed contributing to massive earthquakes leading onto tsunamis. This would have led to catastrophic destruction of the lemurian supercontinent. The migration of the lemurian survivors into the Indian sub-continent Indus valley, the Nile valley and the Mesopotamian valley would have contributed to the origin of the Harappan, Sumerian and Egyptian civilization which have all evolved during the same period of human history. The eternal nanoarchaea survive and start the cycle of evolution once more. The actinide based nanoarchaea regulates the human system and biological universe.

The actinidic nanoarchaeal growth would have led to methane burps in the ocean bed contributing to earthquakes and tsunamis producing extinction of the Lemurian supercontinent. It also supports the abiogenesis on radioactive actinidic beach sands through the process of surface metabolism. This gives support to the role of actinidic archaea as the third element that controls life and its role in the evolution of the multicellular eukaryote, primates and humans.

Civilization and humans would have evolved in the placer deposits and actinidic sand rich pre-historic lemurian supercontinent in the Indian and Southern ocean.

The increased prevalence of the Neanderthal anthropometric features in the Nair community and autism suggests a lemurian origin for homo neanderthalis. This suggests an out of oceania hypothesis for homo neanderthalis with later migration to the Eurasian land mass consequent to destruction of the supercontinent by tsunamis. The tsunamis would have been precipitated by increased archaeal growth in the oceanic beds and movements in the earth crust produced by released methane. The homo neanderthalis also originated due to increased endosymbiotic actinidic archaeal growth.

## References

- [1] Adam Z. (2007). Actinides and Life's Origins, *Astrobiology*, 7, 6-10.
- [2] Schoner W. (2002). Endogenous cardiac glycosides, a new class of steroid hormones, *Eur J Biochem*, 269, 2440-2448.
- [3] Eckburg P. B., Lepp, P. W., Relman, D. A. (2003). Archaea and their potential role in human disease, *Infect Immun*, 71, 591-596.
- [4] Davies P. C. W., Benner, S. A., Cleland, C. E., Lineweaver, C. H., McKay, C. P., Wolfe-Simon, F. (2009). Signatures of a Shadow Biosphere, *Astrobiology*, 10, 241-249.
- [5] Russell M. J., Martin, W. (2004). The rocky roots of the acetyl-CoA Pathway, *Trends in Biochemical Sciences*, 29, 7.
- [6] Margulis L. (1996). Archaeal-eubacterial mergers in the origin of Eukarya: phylogenetic classification of life, *Proc Natl Acad Sci USA*, 93, 1071-1076.
- [7] Tielens A. G. G. M. (2008). Interstellar Polycyclic Aromatic Hydrocarbon Molecules, *Annual Review of Astronomy and Astrophysics*, 46, 289-337.
- [8] Wickramasinghe C. (2004). The universe: a cryogenic habitat for microbial life, *Cryobiology*, 48(2), 113-125.

- [9] Hoyle F., Wickramasinghe, C. (1988). *Cosmic Life-Force*. London: J. M. Dent and Sons Ltd.
- [10] Dun D. (2005). *The Black Silent*. New York: Pinnacle Books.
- [11] Ramaswamy S. (2004). *The Lost Land of Lemuria: Fabulous Geographies, Catastrophic Histories*. Los Angeles: Trade paperback.
- [12] Neild, Ted (2007). *Supercontinent: Ten Billion Years in the Life of Our Planet*. Boston: Harvard University Press.
- [13] Shengde, Malathi (2013). *From Akkadian to Sanskrit- Decoding the Indus Script*. London: Nehru Centre.

