

Applications of bioprocessed desert camel's milk
In human neurodegenerative diseases prevention and control

2nd Stage Development

A Health and Wellness Initiative

By

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INITIATIVE THRUSTS

- The Sahara Desert Camel and its Arabian Peninsula cousins demonstrate *exceptional* physical characteristics/traits that are deeply rooted in their neurological adaptations which guarantee a successful life in the desert, typically exhibited during long desert journeys, hauling heavy payloads, and these traits include
 - Focus (*even in disorienting, blinding sand-storms*)
 - Uniquely coordinated muscle movement and control (*complete opposite of ataxia observed in recombinant growth hormone - RbsT treated dairy cows in feedlots*)
 - Outstanding calmness
 - Deep memory
 - Pain resistance (*anti-inflammatory model*)
 - Exemplary strength and robust energy (*minimal feeding*)
 - Unparalleled body-cooling (*“intolerant” ambient dry heat*)
 - General resilience
- Some of the above traits potentially could be ‘replicated’ in humans by exploiting a **unique endowment of the camel** which partly reinforces these traits – **the animal’s milk**
- Exploitation of camel’s milk **nutraceutical** properties by **BIOPROCESSING** has been demonstrated in part to enhance human health and wellness in some desert dwelling people

- Human **neurological disorders** which sometimes dovetail with **neuro-endocrine disruption** have been on the increase lately in tandem with increased chemical contamination of the environment
- A **relationship potentially exists** between environmental pollution, **climate change** (*partly resulting from ozone layer depletion*) and lately **prevalent neuro-endocrine disruption!**
- The above apparent (*direct or indirect*) adverse relationship between climate change and neuro-endocrine disruption probably induced the camel to adapt neurologically for survival in the **Sahara** thousands of years ago which at that time was a **“vegetative green belt”**
- ❖ **Camel’s milk therefore holds promise as ‘malleable tool’ for fixing human neurological issues of which ALZHEIMER’S is beginning to stick out like a ‘sore thumb’**

Proposed Take-Off of the Initiative

- An initial COALITION of 2 members would suffice for a take-off as follows
 - Camel milk producer to source the milk
 - Camel milk bioprocessing scientist for general nutraceuticals production including neurotransmitters and neurons infrastructural support substances
- Other COALITION members could be ‘coalesced’ down the road as and when needed

Provisional Conclusion

- In the short term the above initiative could be started as provisionally proposed with addendums such as: confidentiality agreement, provisional legal agreement, budgetary stipulations, limited research proposal, Coalition members’ nominations/solicitation etc.