Critical Review *of* "Scientists Create ½ Pig - ½ Human Embryo", #2

The Internet link is too long to display here for the article "Scientists Create A Part-Human, Part-Pig Embryo – Raising the possibility of inter-species organ transplants", so search 'Part-Human, Part-Pig Embryo' to find the posting. With part #2, I will continue to scrutinize this where it begins under the subtitle:

"Human Embryo Experiment Shows Progress Toward 'Three-Parent' Babies:

"The era of 'three-parent babies' (a hyperventilated term for mitochondrial replacement therapy, as we'll explain) is getting incrementally closer – but the path forward remains bumpy. A report published Wednesday(?) in the journal *Nature* describes a successful, though not flawless, proof-of-concept laboratory experiment. The researchers swapped nuclear material in human eggs to create healthy embryos lacking disease-carrying mitochondrial DNA.

"It was a small study involving only four women carrying the pathogenic genes. The embryos were not implanted to create a pregnancy. But the work sets the stage, potentially, for human trials, pending approval by government regulatory agencies.

"The technique used in swapping the genetic material was not immaculate: Some mutant DNA remained in the fertilized eggs and the ensuing replicating stem cell lines. In some of those stem cell lines the mitochondria reverted to the mother's disease-carrying genetic code. That happened in about 10 to 15 percent of the stem cells, which was a surprise, because that had not been seen in experiments with animal models. They concluded that, going forward, the donors of healthy mitochondrial DNA need to be carefully screened for compatibility with the mother's mitochondrial DNA.

[Critical note by Clifton A. Emahiser: I hope the reader is cognizant of the very serious, dangerous and cunning, manipulation that is being proposed here (and is actually in the process of being fully developed and then put into practice!) The very idea of "inter-species" organ transplants with pigs and rats is revolting, to say the least, not to mention the shameful, immoral and blasphemous act of creating a "three-parent baby"! "May Almighty Yahweh intercede on our behalf" is my prayer!**]** – Back to *Part-Human, Part-Pig Embryo:*

"This kind of genetic therapy 'is more complex than we thought,' said the paper's senior author, Shoukhrat Mitalipov of Oregon Health & Science University, in a briefing Tuesday (?) with reporters.

"'The research is promising. It's certainly not completed,' said Alta Charo, a bioethicist at the University of Wisconsin who was not involved with the research but has tracked the field closely.

"The mitochondria are organs within a human cell that live outside the cell nucleus. They're often described as the power plants of the cell. They also contain their own DNA, though not much. DNA in the cell nucleus carries something on the order of 20,000 human genes, while mitochondrial DNA codes for just 37 genes. That's why this kind of therapy, if it

became implemented in humans, would not create 'three parent' babies so much as a baby with two parents and a very small number of genes from a third person.

[Critical note by Clifton A. Emahiser: Here the authors of this document are absolutely correct concerning mitochondrial DNA, where I have underlined it above, but they neglect to show the evidence found at the website: http://ghr.nlm.nih.gov/handbook/basics/mtdna

What is mitochondrial DNA?

"Although most DNA is packaged in chromosomes within the nucleus, mitochondria also have a small amount of their own DNA. This genetic material is known as mitochondrial DNA or mtDNA.

"Mitochondria are structures within cells that convert the energy from food into a form that cells can use. Each cell contains hundreds to thousands of mitochondria, which are located in the fluid that surrounds the nucleus (the cytoplasm).

"Mitochondria produce energy through a process called oxidative phosphorylation. This process uses oxygen and simple sugars to create adenosine triphosphate (ATP), the cell's main energy source. A set of enzyme complexes, designated as complexes I-V, carry out oxidative phosphorylation within mitochondria.

"In addition to energy production, mitochondria play a role in several other cellular activities. For example, mitochondria help regulate the self-destruction of cells (apoptosis). They are also necessary for the production of substances such as cholesterol and heme (a component of hemoglobin, the molecule that carries oxygen in the blood).

"Mitochondrial DNA contains 37 genes, all of which are essential for normal mitochondrial function. Thirteen of these genes provide instructions for making enzymes involved in oxidative phosphorylation. The remaining genes provide instructions for making molecules called transfer RNAs (tRNAs) and ribosomal RNAs (rRNAs), which are chemical cousins of DNA. These types of RNA help assemble protein building blocks (amino acids) into functioning proteins. Hence, manipulating mitochondrial DNA can be very dangerous to one's health, 'that convert the energy from food into a form that cells can use'." [So keep your Frankensteinian hands off of our mitochondrial DNA**!** *C.A.E.*]

We can gather from all of this that the prime function of mitochondrial DNA is to absorb food for the living cell, whether animal or human. Therefore, we shouldn't be surprised that the mitochondrial DNA is found at the peripheral edge of the cell to be in place to receive nourishment from the flowing blood. Each living cell is an entity in itself needing to eat and go to the potty, as well as absorbing oxygen and discharging carbon dioxide. Each living cell is like a miniature furnace, burning at 98.6º. And like a burning furnace, there is an ash produced by the cell that must discharge back into the blood.

Referring to my essay *The Creation Of Eve From The Curved DNA Of Adam:* "It should be stated here that Adam-man is made up wholly from the 'dust of the ground', and all of his food comes indirectly from the 'dust of the ground'! However, Adam-man cannot directly eat the 'dust of the ground', as his digestive system would not be able to absorb it. One might take some 'dust of the ground' and put it in a mortar and pestle and pulverize it into a super fine powder and Adam-man still wouldn't be able to digest it! Take, for instance, blackboard chalk which is calcium carbonate, which some food processors add as a calcium supplement,

and Adam-man's villi in his small intestine simply cannot absorb the calcium carbonate, as the molecules in calcium carbonate are a micron in size (equal to one millionth of a meter, being .03937th of an inch). Whereas, digestible food should be an angstrom in size (*i.e.,* one hundred millionth of a centimeter, or (.00000003937th of an inch). If one is leery when checking the labels on food or supplements, if the last three letters on an ingredient is 'ate', chances are that ingredient may not be digestible! It might be well to share this data with one's personal physician.

"Where then, does one find digestible food containing needed minerals? The answer is: in fresh or canned fruits or vegetables, and meats, eggs and milk products. Take beef-cattle, for instance, The bovine chews the cud and has four stomachs, and the main diet of the bovine is alfalfa-hay. The roots of this alfalfa-hay go down into the ground forty to fifty foot, and draw precious minerals up to the growing plant. When the bovine is fed a proper diet, Adam-man is able to benefit by eating and digesting these angstrom size molecules in solution by eating beef. The same thing is true for fruit trees and vegetables which absorb minerals from the soil, and break down the minerals into angstrom size molecules in solution fit to be absorbed. One should prefer fresh fruits and vegetables whenever possible, as heating destroys nearly all the important enzymes.**]** – Back to *Part-Human, Part-Pig Embryo:*

"Despite that modest genetic contribution, mitochondrial DNA with mutant genes can cause serious and sometimes fatal diseases. The *Nature* paper reports that about 778 babies are born each year in the United States with diseases related to pathogenic mitochondrial DNA. These genes are passed only from mother to child, via the eggs; sperm do not contribute mitochondria to the fertilized egg.

"'Currently there are no cures, and these diseases can be debilitating and often fatal,' said the paper's co-author, Paula Amato, also of the Oregon Health & Science University."

[Critical note by Clifton A. Emahiser: In my essay *Diverse Seeds Defile Families Downline Forever & Is Incurable!,* I demonstrated the Biblical seriousness of miscegenation (i.e., race-mixing) thusly:

"We are about to address the Bible's most serious offense. Everywhere in the Old Testament the Hebrew word for 'seed', 'sperm' or 'descendant' (*i.e.,* 'offspring') is Strong's #2233 'zera', except Lev. 19:19 and Deut. 22:9, where the Strong's #3610 is used for 'seeds', 'diverse kind', 'mingled seed' and 'mingled'; (once for 'seeds' at Deut. 22:9, and three times as 'diverse kind', 'mingled seed' and 'mingled' at Lev. 19:19) in the KJV. These two passages, with their four occurrences, are an exception to the rule concerning 'seeds' rather than 'seed'.

"Quoting these verses from e-Sword, with words for Strong's #3610, underlined along with each of the four KJV renderings:

Deut. 22:9: **"Thou shalt not[3808] sow[2232] thy vineyard[3754] with divers seeds[3610]: lest[6435] the fruit[4395] of thy seed[2233] which[834] thou hast sown,[2232] and the fruit[8393] of thy vineyard[3754], be defiled[6942]."** *[This would apply to man as well.]*

Lev. 19:19: **"Ye shall keep[8104+853] my statutes[2708]. Thou shalt not[3808] let thy cattle[929] gender[7250] with a diverse kind[3610]: thou shalt not[3808] sow[2232] thy field[7704] with mingled seed[3610]: neither[3808] shall a garment[899] mingled[3610] of linen and woolen[8162] come[5927] upon[5921] thee."** *[This would apply to man as well.]*

"#H3610 is rendered 'divers seeds', 'diverse kind', 'mingled seed', and 'mingled'. #H3610 is an interesting Hebrew word used to denote such 'seed'! It is derived from the dual form of #H3608 which means 'a prison'. It would appear that what we have here are two individual seeds with dissimilar genetics, imprisoned or locked into one capsule from which neither can escape. In other words, 'two, of a twofold kind' imprisoned in a single person, animal or plant."

What is striking is the fact that where "Scientists Create A Part-Human, Part-Pig Embryo – Raising the possibility of "inter-species organ transplants" they want to produce a "three, of a threefold kind." Therefore, keep your Frankensteinian hands off of my mitochondrial DNA**!** *C.A.E.*] – Back to *Part-Human, Part-Pig Embryo:*

"Here's How A baby Can Have 'Three parents':

"A small community of researchers is working on mitochondrial replacement therapy, navigating technical, ethical and legal obstacles. Bioethicists earlier this year gave their blessing to mitochondrial DNA replacement with some limitations (notably, that this go forward for now only in male embryos, which cannot pass along genetic changes via mitochondria and thereby potentially introduce permanent changes to the human genome). More problematic for researchers is a U.S. congressional ban on government agencies handling applications for genetic experiments on human embryos. Government approval would be required for human trials designed to result in pregnancies. The research so far has been funded by private donors and academic funds; the government by law cannot fund it.

"One baby, at least, has been born using mitochondrial DNA replacement in Mexico, where there are no laws against such therapy. But the authors of the new report in *Nature* argue that this should go forward under close regulatory control by governments, with follow-up monitoring of the babies to ensure that they remain healthy.

[Critical note by Clifton A. Emahiser: "Healthy babies"? **HELL NO!** Diseased **GMO** babies**,** a blasphemous, offensive act against Almighty Yahweh Himself**!]** – Back to *Part-Human, Part-Pig Embryo:*

"A British agency, the Human Fertilisation & Embryology Authority, on Wednesday(?) released a report from a panel of experts recommending the 'cautious' clinical use of mitochondrial replacement therapy in carefully selected patients who have no other options and are made aware of the safety risks involved.

"NIH May Allow Funding For Human-Animal Stem Cell Research:

"Federal officials are proposing to end a moratorium on funding for research that involves transplanting human stem cells into animal embryos, a controversial practice that produces organisms know as 'chimeras.'

"If approved after a 30-day comment period, the new policy would allow the National Institutes of Health to fund researchers who want to put stem cells in early-stage animal embryos to study disease, possible therapies and organ transplants. Stem cells can become any kind of human tissue, including organs.

"NIH imposed its temporary ban on funding last September, citing ethical concerns. These include worries over animals whose brains might contain human brain cells and what might happen if chimeras were able – and allowed – to reproduce.

"But on Thursday(?), Carrie D. Wolinetz, NIH's associate director for science policy, announced the new policy proposal, saying it would 'enable NIH research community to move this promising area of science forward in a responsible manner.' The request for public comment was also published in the Federal Register."

"A Cure For AIDS Is No Longer Unthinkable:

"Animals have long been used in research on human cells, often as part of testing drugs that might attack disease. But because stem cells can become any kind of tissue, human-animal research in the field of 'regenerative medicine' raises greater ethical issues and adds, for some, a visceral unease about the organism that could be produced.

"Under the proposed NIH policy, taxpayer funds would be allowed for experiments in which human cells are added to early-stage embryos of all animals except non-human primates, such as chimpanzees and monkeys, because they are so similar to humans. For those species, the human cells could be added at a later stage of embryonic development and would require an extra layer of scrutiny by a special NIH committee.

"Research that would introduce a substantial amount of human cells to a mammal's brain or would significantly modify the animal's brain also would require the extra review. That requirement does not extend to rodents.

"Donor Organs Kept 'Alive' May Ease The Transplant Shortage:

"Sheng Ding, who studies the generation and maintenance of stem cells at the J. David Gladstone Institutes at the University of California at San Francisco, greeted NIH's announcement cautiously. While he does not favor the current moratorium, Ding said, he believes scientists in this field must move slowly because 'we don't know how to precisely control where and how [cells] might contribute' to different organs.

"'I will say I am certainly cautious about this,' Ding said. 'I'm not totally against opening up the discussion and figuring out the guidelines.'

"The moratorium was imposed at a time when NIH had no grants out for this type of research, which provided an opportunity for the agency to take stock of scientific and ethical considerations, Wolinetz said. Despite the attention that has been paid to the potential of regenerative medicine, it is very much a 'niche' area of research that probably would generate only a 'handful' of research grant requests if the moratorium is lifted', she said.

"'NIH would consider funding studies proposed by its own investigators as well as research by others outside of the Bethesda, Md., campus', she said.

"The agency will continue its ban on funding research that would include breeding of animals that could make human eggs or sperm ….

Now quoting from another article on a similar subject:

"Scientists Turned Mouse Skin Cells Into Egg Cells – And Made Babies:

"Scientists have successfully turned skin cells into egg cells and used them to create viable offspring without the use of actual eggs for the first time. Just a small percentage of the mouse cells created in the lab led to live births, researchers reported Monday(?) in *Nature,* but the healthy pups that resulted from these sci-fi(?) pregnancies provide hope that similar

techniques might one day aid human reproduction. In theory, techniques like these could even allow two biological men to co-parent a child without the use of an egg donor. [Note: How much more evil can this get? *C.A.E*]

"Dolly The Sheep Died Young – But Her Clones Seem Perfectly Healthy As They Turn 9:

"The new study is the culmination of years of incremental progress: Researchers began by coaxing cells from female mouse tails into pluripotent stem cells using a technique that won Shinya Yamanaka a Nobel Prize in 2007. Pluripotent cells have the potential to divide indefinitely and become any kind of body tissue, and they are the type of cells found in embryos. The next step was to turn those pliable cells into sex cells. Katsuhiko Hayashi, a reproductive biologist at Kyushu University and lead author of the new study, helped to develop a technique for doing so while at the University of Kyoto in 2012.

"But that previous work produced the kinds of sex cells that exist in an embryo, not mature eggs that could actually be fertilized and used to create offspring. Until now, researchers had been able to mature those cells only by implanting them back into an ovary. A study published in September(?) was widely reported as involving the creation of embryos without eggs, but this was not actually the case – an egg was used, albeit in an unconventional fashion.

"Hayashi's latest study truly accomplished this feat: He and his fellow researchers produced mature, readyto-use egg cells over and over in a petri dish by adding in cells taken from developing mouse ovaries, creating an ovary-like environment that tricked primordial cells into developing as usual. The resulting egg cells had a higher number of chromosomal abnormalities than usual, but they were used to produce healthy, fertile offspring – a good sign that the team has indeed unlocked the final step of this long-sought reproductive technique.

"'It is a tremendous advance,' Azim Surani at the University of Cambridge, who wasn't involved in the study, told New Scientist. 'The idea that you can start with a skin cell and make viable eggs in culture is quite amazing.'

"Will this work allow humans to throw away the age-old equation of egg plus sperm equals embryo? Perhaps one day. Another research group has already figured out how to make immature eggs from human stem cells. Researchers won't be able to conduct a human version of this mouse experiment anytime soon because of ethical concerns (especially given the high failure rate seen in mouse embryos, which was more than 10 times higher than is seen in human IVF(?). But in theory, the same trick that matured the mouse eggs could apply to human cells as well ...."

This has not been a complete critical review on this topic, but covers the main points of my contention with the respective author/s! And note how many of the names mentioned here belong to 'people' who descended from those fallen angels of antiquity!

Clifton A. Emahiser's Non-universal Teaching Ministries
653 W 23rd Street Box 129 Panama City FL 32405
My Website: emahiser.christogenea.org
Also Recommend William Finck's: christogenea.org