

# **Spontaneous Generation of Life in a Test Tube? Implications of a Positive Outcome of the Proposed Microvita and Radioactivity Experiment**

**Richard Gauthier**

St. George, Utah

July 22, 2022

## **Abstract**

A recent experimental proposal (see appendix) is to test the hypothesis that living protozoic cells can be created in a test tube containing suitable sterile chemicals, in the presence of an external shielded radioactive material, in what would appear to be spontaneous generation of life from non-living materials. The positive appearance of protozoic cells in a well-controlled experiment could be explained by the action of subtle subatomic living entities called microvita, proposed in 1986 by Prabhat Ranjan Sarkar. These microvita carry detailed codes for DNA or RNA and are “awakened” and released from radioactive atoms that billions of microvita compose. These awakened microvita expand and develop into molecular RNA or DNA-carrying viruses which construct the living protozoa predicted in the proposed experiment. The principle that “life only comes from life” or as Louis Pasteur expressed it, “*omne vivum ex vivo*”, would be followed in the case of a positive experimental result, if the microvita explanation is accepted. Various implications of a positive outcome to the proposed experiment are summarized in this article.

## **What would constitute a positive outcome in this experiment?**

1. Various types of living protozoic cells (bacteria and archaea and perhaps simple eucaryotic cells) will form in a sterile test tube containing chemical building blocks and certain other minerals, in the presence of an external radioactive material.
2. In a suitable, well-controlled experimental design, these protozoic cells are expected to form from the clear sterile solution in a matter of seconds or minutes, fully alive and functioning, within the viewing/video-recording field of a suitable microscope, when a shielded radioactive material is brought nearby, outside the sterile test tube. These protozoa will not form in the absence of a nearby radioactive material.

## **What are the implications of a positive experimental outcome?**

1. It is not radiation such as alpha (helium nuclei), beta (electrons) or gamma (photon) rays from the radioactive materials that produces these protozoa, but microvita released from radioactively-decaying atoms.

2. These protozoa will be the same kinds of protozoa that appeared in the Earth's early history and still exist today.
3. Awakened RNA or DNA-code-carrying microvita are released from radioactive atoms and form physical viruses that contain molecular RNA or DNA formed by the awakened microvita. These physical RNA or DNA-carrying viruses created the protozoic cells that appear in the test tube of sterile chemical components.
4. These protozoa appear in the present experiment as they first would have appeared in the early Earth's hot ocean that formed 4.4 billion years ago. Then, protozoa could have formed in relatively stable hydrothermal vents on the ocean floor, transmitting fluids from within the Earth, where there were radioactive materials along with chemicals undergoing energy-producing chemical reactions in and near the hydrothermal vents. (The Earth was formed about 4.56 billion years ago.)
5. Other possible locations for the origin of Earth's earliest protozoa would be on, inside or near volcanos spewing out radioactive magma 4.4 billion years ago, or inside the Earth's relatively new solid crust, where energy-yielding chemical reactions occur alongside radioactive reactions.
6. The protozoa would form in the present experiment in the same way that they formed on the early Earth, because radioactive atoms composed of microvita, simple chemical components, and energy-producing chemical reactions, existed on the Earth since its formation about 4.56 billion years ago.
7. The same or similar protozoa, having the same DNA-coding system as on Earth, would be produced from radioactive atoms releasing microvita in similar chemical and energetic conditions anywhere in the universe.
8. A new experimental field of microvita biology will need to be created to research the various conditions under which protozoa can be produced from microvita through radioactivity and chemical reactions.
9. A new system for writing chemical formulae will be needed that will include the numbers and types of microvita in the atoms contained in different chemical samples.
10. The effect of microvita on the evolution of species as well as the origin of protozoa will need to be investigated, since DNA or RNA-carrying microvita are expected to influence the evolution of life as well as its origin.
11. Hypotheses for how and when DNA or RNA-code-carrying microvita form and are released from atoms will have to be developed and tested to help explain the results of positive outcome experiments.

12. With the microvita approach, there may not have been a single or just a few simplest living protozoic cells first produced on the Earth from which all other cells evolved and spread. This is because the earliest living cells on Earth are being created by microvita released from different radioactive atoms in suitable chemical environments around the Earth, and not from another cell.
13. Would a positive experimental result indicate that spontaneous generation has occurred? Spontaneous generation is defined as “the supposed production of living organisms from nonliving matter, as inferred from the apparent appearance of life in some supposedly sterile environments.” A successful outcome of the present experiment would seem to meet this definition. But if microvita released from radioactive atoms cause the positive results, then the concept of “nonliving matter” may have to be reconsidered, if all matter is understood to be composed of microvita, which are subtle subatomic living entities. Then the principle that “life only comes from life” or “omne vivum ex vivo” would also be followed in the case of a positive experimental outcome.
14. The long-sought “secret of life” or “spark of life” may be microvita.
15. Questions about the origin of microvita themselves may arise. The idea that microvita are creations of a Cosmic Mind, as described by P. R. Sarkar, could be considered as a possible explanation for the origin of microvita, among others.

P.R Sarkar described a coming “microvita age” in human society, when microvita are fully understood and applied for the benefit of humanity: “According to the modern biologist, protoplasmic cells are made of carbon atoms, but in the microvita age the biologist will say that the protoplasmic cells are not made of carbon atoms, rather they are the collective solidified form of innumerable microvita. By controlling the microvita of the protoplasmic cells, big changes can be effected within the human body. Ordinary people can be made extraordinary. Their mental qualities and capabilities can be enlarged by supplying microvita in sufficient quantity. That is to say, the theory of microvita has immense potentialities in introducing numerous changes in human society. By changing microvita, ectoplasmic changes will come which in turn will bring about endoplasmic change, and thus the mind will be able to control the organism, the physical body, in a better way.” (1)

Regarding research on microvita, P. R. Sarkar stated in his first discourse on microvita in 1986: “Now, there should be extensive research work regarding these microvitum or these microvita. Our task is gigantic and we are to start our research work regarding these microvita immediately without any further delay. Otherwise, many problems of modern society won’t be solved in a nice way... I think, rather I hope, rather I am sure that that day is sure to come when human beings will have proper control over these microvita.” (2)

## Summary

There would be many important implications of a positive outcome to the proposed microvita radioactivity experiment. It is hoped that the experiment will be undertaken in several laboratories where a variety of experimental approaches may be tested and implemented.

## References

1. P. R. Sarkar, “The theory of microvita and its possible effects on society”, in *Microvitum in a Nutshell*, Ananda Marga Publications, Kolkata, 1991, available at <https://anandamargabooks.com/books/microvitum-in-a-nutshell/>, accessed February 28, 2022.
2. Sarkar P. R., [Microvitum -- The Mysterious Emanation of Cosmic Factor](#) (pdf file) or at [www.microvita.org](http://www.microvita.org), accessed July 22, 2022, and in *Microvitum in a Nutshell*, Ananda Marga Publications, Kolkata, 1991, available at <https://anandamargabooks.com/books/microvitum-in-a-nutshell/>, accessed July 22, 2022.

Copyright © 2022 by Richard Gauthier. All rights reserved.

For more information or if you are interested in conducting the proposed experiment (described in the appendix below) please write to [richgauthier@gmail.com](mailto:richgauthier@gmail.com).

Websites: [www.microvitaexpress.org](http://www.microvitaexpress.org), <https://richardgauthier.academia.edu/research>

## Appendix 1. The Proposed Experiment

### **Can Radioactivity Create Living Cells?** **A Proposed Experiment to Test for Microvita in the Origin of Life**

**Richard Gauthier**

St. George, Utah, USA

Email: [richgauthier@gmail.com](mailto:richgauthier@gmail.com)

Website: <https://richardgauthier.academia.edu/research>

## Abstract

Can radioactive atoms in a sealed test tube create living cells in a second sealed, sterile test tube containing chemical building blocks of life? This question may be answered in the affirmative by experiments designed to test a new scientific hypothesis about the origin of life, based on the ideas of a modern spiritual master. The hypothesis to be tested is based on the concept of microvita, subtle subatomic living entities that spread life and minds throughout the universe. Microvita were introduced in India by the guru of Ananda Marga, Prabhat Ranjan Sarkar, in 1986.

**Keywords:** *microvita, virus, radioactivity, life*

## Introduction

In 1986, Prabhat Ranjan Sarkar introduced the subject of microvita for the first time in a discourse “Microvitum—the Mysterious Emanation of Cosmic Factor”. (1) He explained that microvita are subtle, sub-atomic living entities that move throughout the universe, creating minds

and bodies, and also spreading diseases. He said that there are positive and negative, as well as neutral, varieties of microvita, and they have three different levels of subtlety. They move through physical and psychic media, and play various roles in the evolution of life and mind. He elaborated his microvita concept in a collection of discourses called *Microvitum in a Nutshell*. (2)

After more than 35 years, no objective scientific tests have confirmed the microvita concept. This article proposes a new experimental approach for testing a specific microvita hypothesis about the origin of living cells. If the proposed experimental approach is carefully implemented and yields a positive and confirmed outcome, this would greatly accelerate scientific research on microvita and would also significantly advance origin-of-life research in general.

According to P.R. Sarkar, microvita are emanated by the Cosmic Mind. Billions of microvita compose a carbon atom and other atoms. In the author's experimental hypothesis, natural nuclear fission of radioactive atomic nuclei, for example in Carbon-14, awakens and releases some microvita from the atoms. According to P. R. Sarkar, microvita awakened from atoms in an explosion at the atomic level carry genetic codes from the Cosmic Mind for constructing DNA or RNA molecules. The released microvita can travel through various physical media such as glass. They expand to produce viruses containing DNA or RNA molecules. These viruses may then create living cells in a suitable chemical environment.

## **The basis of the experimental hypothesis**

Here are several statements about microvita, based on P. R. Sarkar's statements, that underlie the present experimental hypothesis.

1. A cosmic mind emanates microvita, some carrying information codes for DNA and RNA, the genetic chemicals of life.
2. Billions of microvita form chemical atoms.
3. Explosions at the atomic level in a chemical solution "awaken" some microvita in these atoms.
4. Awakened microvita carrying DNA or RNA codes expand to form viruses carrying molecular DNA or RNA.
5. This DNA or RNA in viruses, which are actually awakened microvita, can then become active.

Several quotations below from Prabhat Ranjan Sarkar about microvita, obtained from one of his associates *Acharya Vimalananda Avadhuta* and which were included in my 1988 book "*Microvita - Cosmic Seeds of Life*", (3) are given below. These quotations have been used in addition to P.R. Sarkar's published discourses about microvita to develop the experimental hypothesis proposed to be tested about microvita and the origin of life.

1. "When solid matter explodes at the atomic level, billions of microvita that have solidified to form the atom may awaken. Microvita are dormant in the atom and very small. When jadasphota (matter explosion) occurs, microvita awaken and take on a different

structure. If the environment is changed, microvita change to suit the environment. That is how a tiny microvita can change and become so large that it can be seen through a microscope.”

2. “Microvita when awakened develop a personality that depends upon the environment. If jadasphota takes place in a solution of  $\text{Fe}_2\text{O}_3$  you will get one structure. The structure will be different in different environments. If it is in another structure such as  $\text{Fe}_3\text{O}_4$  it will be different. As the environment will affect the structure of microvita, that structure will keep changing as microvita move through different environments.”
3. “When a microvita has been awakened and enters a cell, a virus adapts to the environment of the cell. You get a virus when a microvita has entered a cell and developed.”
4. “The RNA and DNA of a particular virus is unique to that virus. Particles of Cosmic Citta (Objective Cosmic Mind), when microvita are emanated from Cosmic Mind, already contain the information for RNA or DNA. This information is there but not seen until microvita is awakened, and when it is in virus form then we can detect it.”

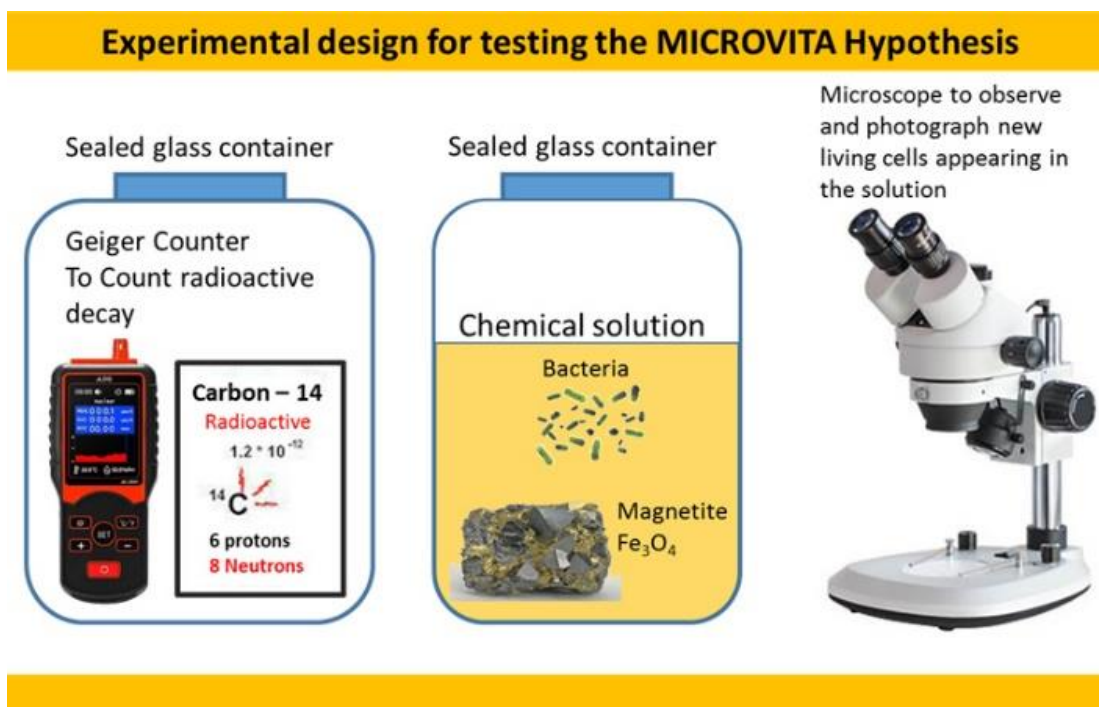
## **Jadasphota / Radioactive decay**

P. R. Sarkar’s use of the word “jadasphota” (“matter explosion”) in the statements above, has been interpreted in the context of a chemical solution, to mean “radioactive decay”. To see why, let us look closer at the quoted sentences above.

Compare the sentence “When solid matter explodes at the atomic level, billions of microvita that have solidified to form the atom may awaken.” with the second following sentence: “When jadasphota occurs, microvita awaken and take on a different structure.” It is clear in this context that the phrase “When jadasphota occurs” has the same meaning as “When solid matter explodes” because the Sanskrit word jadasphota literally means “matter explosion”. P.R. Sarkar’s usual use of the term “jadasphota” in other contexts is for a huge explosion of a celestial body (like a supernova explosion.). He also said that jadasphota can occur gradually, in the “wear and tear” of material objects. In a later sentence above we have “If jadasphota takes place in a solution of  $\text{Fe}_2\text{O}_3$  you will get one structure”. How can jadasphota at the atomic level occur in a chemical solution? A reasonable interpretation is that jadasphota at the atomic level means the radioactive decay of an atom, which is the splitting or fission of the nucleus of the atom, with the release of energetic smaller particles.

With this interpretation of jadasphota, radioactive atoms release awakened microvita during radioactive decay, in addition to producing energetic physical particles. Now look at the last two quotes: “When a microvita has been awakened and enters a cell, a virus adapts to the environment of the cell. You get a virus when a microvita has entered a cell and developed.” and “The RNA and DNA of a particular virus is unique to that virus. Particles of Cosmic Citta (Objective Cosmic Mind), when microvita are emanated from Cosmic Mind, already contain the information for RNA or DNA. This information is there but not seen until microvita is awakened, and when it is in virus form then we can detect it.” These sentences help motivate the proposed experimental test for evidence of microvita, and also explain the origin of DNA and RNA found in biological cells, which up to now has been an unsolved scientific mystery.

Putting the above ideas together leads to an experimental hypothesis and prediction: Radioactive atoms will release some microvita carrying coded DNA or RNA information. These microvita will expand and develop into viruses with detectable molecular DNA or RNA. These viruses in a suitable chemical environment will generate living cells which can be detected and analyzed. If no other valid explanation for the appearance of living cells in a suitably-controlled experiment to test this hypothesis and prediction can be found, it can be reasonably concluded that radioactive decay (with the release of microvita carrying coded DNA or RNA information) led to the formation of these cells.



**Figure 1.** *Proposed experimental design (simplified) for testing the microvita hypothesis for creating living protozoic cells from radioactive atoms.*

In the simplified experimental design in Figure 1 above, a small piece of radioactive material containing carbon-14 and a Geiger counter are in a sealed glass container next to a separate sealed glass container holding a piece of sterile magnetite ( $\text{Fe}_3\text{O}_4$ ) in a sterile solution of atoms and molecules: C (Carbon),  $\text{H}_2$  (Hydrogen),  $\text{N}_2$  (Nitrogen),  $\text{O}_2$  (Oxygen), P (Phosphorus) and other simple molecular building blocks contained in many protozoa. Assume that every time there is a radioactive decay of a carbon-14 atom (as measured by a recorded “click” from the Geiger counter next to the radioactive material), one or more single living bacteria or other protozoic cells appear in the solution or on the piece of magnetite and is filmed by a video camera. The living cells produced by the radioactive decays may be a different species each time. Let us assume that the proposed radioactive-atom origin-of-life experiment regularly comes out positive, i.e. that radioactivity-related bacteria or other protozoic cells regularly emerge in the solution. Assume that these results are genuine and repeatable, and all sources of bacterial contamination in the experiment have been ruled out. With no other rational explanation for the appearance of bacteria or other protozoa in the second container that are associated with radioactive decays in the first container, the microvita hypothesis for the origin of the bacteria or other protozoa in the second container from the radioactive decays in the first container would have to be accepted.

## Conclusion

Confirmed positive results in the proposed experiment will both support the microvita hypothesis for the creation of living cells, and create a new experimental and theoretical paradigm for studying the origin of life. Currently there is no accepted scientific evidence supporting the existence of microvita. There is also no evidence so far that the DNA or RNA in living cells evolved naturally. Proposed by P.R. Sarkar in 1986, microvita are living entities emanated from an infinite cosmic mind, itself produced by an infinite supreme consciousness. A positive outcome in the proposed experiment will severely challenge the current materialistic paradigm underlying modern biological research, and current scientific research generally. Since scientific worldviews also impact society, a new scientific paradigm based on microvita and their origin from cosmic mind and supreme consciousness could have a large effect on human society and its values as well.

## Summary

The proposed experimental hypothesis predicts that microvita released from radioactive atoms will create viruses and then living cells in the specified or a similar laboratory set-up. The appearance of living cells under controlled conditions in the proposed experiment would support the microvita hypothesis, in the absence of any other reasonable explanations for the appearance of living cells in the experiment. The hypothesis tested is based on P. R. Sarkar's explanations about microvita. Billions of microvita form atoms. Microvita are liberated from atoms by radioactive decay. These microvita construct physical viruses containing genetic information (DNA or RNA) and other virus molecules needed for the viruses to create living cells in a suitable environment. In the proposed experimental setup, radioactive decays in one sealed container are predicted to correlate with the appearance of living protozoic cells in a separate sealed and sterile container holding  $\text{Fe}_3\text{O}_4$  (magnetite) and a mixture of simple chemicals that are ingredients for living cells.

## References

1. Sarkar P. R., [Microvitum -- The Mysterious Emanation of Cosmic Factor](http://www.microvita.org), or at [www.microvita.org](http://www.microvita.org), accessed 23 May 2022.
2. Sarkar P. R., *Microvitum in a Nutshell*, <https://anandamargabooks.com/books/microvitum-in-a-nutshell/>, accessed 22 May 2022.
3. Gauthier R., [\*Microvita: Cosmic Seeds of Life\*](#), 1988, Dharma Verlag, Mainz, p. 31 accessed 23 May 2022.

## Appendix 2. Information coordination for microvita radioactivity experiments

An Indian organization the Society for Microvita Research and Integrated Medicine (SMRIM) has agreed to coordinate and distribute information about the proposed experiment that may be carried out in different parts of the world. Their letter of agreement to this effect is attached.





## SOCIETY FOR MICROVITA RESEARCH AND INTEGRATED MEDICINE (SMRIM)

Registered under Societies Registration Act 28,1958 (Raj.) No. 73/UDR/08-09

### REGIONAL HEAD QUARTER

Dr. S.K. Verma  
28, Municipal Colony, Shivaji Nagar,  
UDAIPUR 313001(Raj.) INDIA  
Ph.: +91-294-2484809  
e-mail: skvermaster@gmail.com

### DIOSIS HEAD QUARTER

Ananda Marga Jagriti  
Tekari-Madari Road,  
UDAIPUR 313001(Raj.) INDIA  
Ph.: +91-294-2488377

#### President

Dr. S. K. Verma

#### Vice President

Dinesh P. Sharma

#### Secretary

Vartika Jain

#### Joint Secretary

Girdhari Lal Soni

#### Treasurer

J. L. Mehta

#### Members

Dr. P.C. Jain  
Rajesh Sharma  
O. L. Sharma

#### Chief Advisors

Dr. A. Bordia  
Dr. S. S. Katewa  
Dr. Maheep Bhatnagar  
Dr. Chakrapani Sharma

Ref. No. ....

Date: 22.06.2022

### POTENTIAL MICROVITA RESEARCHERS

Dear Sir or Madam,

The Society for Microvita Research and Integrated Medicine (SMRIM), Udaipur (<http://microvitamedresearch.com/index.html>) has been working since 2008 to understand and apply the concept of microvita, introduced in 1986 by Prabhat Ranjan Sarkar. We have been publishing articles about microvita and related research in our Bulletin on Microvita Research and Integrated Medicine (BOMRIM, <http://microvitamedresearch.com/OfficialBulletin.html>) since March 2009.

Now a proposal has been made to experimentally test for evidence of the existence of microvita by testing for the formation of protozoa from a mixture of chemical building blocks in a sterile solution, in the presence of an external radioactive source that may release microvita into this solution and form protozoa by their actions. We expect that a number of university research groups around the world will be looking into developing experiments to test this idea over the next several years. We are pleased to become an information clearinghouse for such research efforts as they develop and progress.

SMRIM is very pleased that researchers at your university or research facility are considering participating in this microvita research experiment. We fully support safe and careful research in this novel research area. If you choose to undertake the kind of laboratory research described in the article by Dr. Richard Gauthier "An Experimental Test for Microvita in the Origin of Life", going to be published in our August 2022 issue of Bulletin on Microvita Research and Integrated Medicine (BOMRIM), and which is also attached below, you will have SMRIM's best wishes and full cooperation. We request that you keep us informed of your progress in planning and carrying out the experiment, and sharing with us aspects of your experimental arrangement that you think fitting for a successful, well-controlled experiment. The implications of a positive outcome in the experiment are enormous, including a likely Nobel Prize for the first research team that has repeatable, well-controlled, successful and confirmed published experimental results in this experiment. From our side, we will try to answer your questions about microvita that may arise, with the understanding that there are still many unanswered questions about microvita. Our main source of information about microvita is P. R. Sarkar's book of collected discourses *Microvitum in a Nutshell*, plus whatever practical knowledge we have gained about microvita over the years. We will also keep you informed of other efforts around the world to undertake and carry out this microvita research experiment. We will act as informal partners in your research on microvita. We are not undertaking any legal or monetary obligations with your organization in this cooperative arrangement.

If you choose to go ahead with this microvita research project, we request that you keep us informed. We will use our newsletter to share with our international readers any news or other information about the project that you give us for this purpose.

Yours Sincerely,

Dr. S.K. Verma

President

Society for Microvita Research and Integrated Medicine (SMRIM)  
Udaipur, India

*Microvita and Integrated Medicine for Human Welfare*