

Body of e-mail

<https://www.gnathologyusa.org/>

International Academy of Gnathology

<https://dentistry.usc.edu/>

The Herman Ostrow School of Dentistry of USC, Los Angeles

For the translation, we used DeepL and a translation site called Google Translate.

January 13, 2025

Dear Prof.○○○

My name is Toshiji Shimizu. I live in Japan. My age is 66 years old. I was a dental technician until I was 54 years old, but now I have stopped working as a dental technician. I am a Catholic who was baptized in 2014 after the age of 50 because I felt the need to do so.

Now, ever since I have been working in a dental laboratory, I had felt a special sense of obligation to do something special. I wanted to do something in the field of dentistry, so I invented new dental laboratory techniques. I invented some and sent reports to dentists in my city, but I could not come up with anything good. I continued to do this for several years after I closed my own dental laboratory.

At one point, I learned that the application of artificial intelligence could open up new methods of dental technology. I devised a new gnathology (Gnathology 2.0) for using it, and also considered the philosophy that would support it to be necessary, so I also examined the philosophy. By incorporating the concept of autopoiesis into dynamical systems theory, I thought it would be possible to objectively describe human existence and cognitive functions with respect to the world. The new philosophy that supports Gnathology 2.0 presented here is “the truth obtained by reconsidering Descartes' philosophy from a current perspective. We also hoped that by using this dynamical systems theory as a new interpretation and understanding of Christianity, we would be able to root Christianity in Japan.

However, as a dental technician, it is very difficult for me to find people who agree with my “new proposal for gnathology” to Japanese dentists. Therefore, I decided to look overseas. I believe that it was dentists living in the United States who first invented gnathology and spread it throughout the world. I thought that some dentists living in the U.S. might understand the reasons for updating traditional gnathology to “Gnathology 2.0,” so I came up with the idea of sending an email to dentists in the International Academy of Gnathology American Section and the Herman Ostrow School of Dentistry of USC, Los Angeles. I believe that USC is the birthplace of gnathology, as those who have contributed to gnathology are honored in the Ostrow Hall of Fame.

Do you think that traditional gnathology is sufficient for dentists living in the United States? If you don't think so, wouldn't it be a good idea to put the initiative to design dental prosthetics back in the hands of dentists, using AI-based CAD technology and

“optimized central positioning” derived from the new philosophy behind “Gnathology 2.0”? Why not move away from purely mechanistic mandibular motion to “AI-based mandibular motion that reproduces multiple paths of motion? In order to regain the initiative to design dental prosthetics, it is essential to have AI-based technology for automatic generation of crown shape, rather than leaving it to dental technicians. AI is currently one of the hottest technological fields and is evolving every day. I believe that if dentists and AI Engineers work hand in hand, we can achieve “Gnathology 2.0.

I want Japanese dentists to renew gnathology!

You are the legitimate successors of gnathology. If you like what you see in my blog, could you please advise the dentists of “Institute of Science Tokyo” to study gnathology and complete the application of automatic crown shape generation to realize “Gnathology 2.0”? If I advised you to do so, I am sure you would ignore me. If the content of my blog strikes a chord with you, I am sure you will respond positively. If it does not resonate, you will end up ignoring me. Even a request from God can't actually do anything unless it is connected to a person in the real world who is in tune with that wish.

The gnathology currently in circulation was created more than 100 years ago, using the scientific knowledge of the time. Since gnathology was invented in the United States, I had assumed that its contents would eventually be updated by American dentists. However, there is no indication that this is the case. Wouldn't it be a good idea to update it so that it will still be valid in the future? However, this is something that I, as a dental technician, cannot do anything about, since it is related to dental treatment. Therefore, I ask the professors of the dental college to help me.

I would like to request that Japanese dentists take the lead in promoting the renewal of gnathology. I can say that this is the reason why I have been continuing this project until now and have made a lot of efforts. I hope that “Institute of Science Tokyo” will research and produce results. This university was established on October 1, 2024, through the merger of “Tokyo Medical and Dental University” and “Tokyo Institute of Technology”. This university would be able to introduce AI and data science technologies into dentistry. We hope that Japanese dentists will realize “Gnathology 2.0”.

In the past, Tokyo Medical and Dental University has experience and achievements in researching the “Kinematic Axis”. We would very much like to use the brand name “Gnathology”. We would like you to complete the software for automatic generation of crown shape using “optimized centric relation.” I cannot mention more about diagnosis and medical treatment, as only a dentist can do that.

A large set of data is needed for AI reinforcement learning. Data must be associated with upper and lower dentition shape data and mandibular motion data. We may need the cooperation of university researchers around the world who agree with “Gnathology 2.0.”

Defining the New Science

As a dental technician, all I have done is propose to define a new science. In science, new discoveries are constantly updated in the news. I always thought that science was automatically updated. I did not think that science was a field of study and that it had anything to do with religion. Science and Christianity were certainly at odds with each other in the 17th century. They were not in conflict because they were different categories, but because they were in the same category. I did not know that science was part of Christianity.

The culture of science began to be introduced to Japan around the time of the Meiji Restoration (1853~), but science was never connected to the core culture of Japan. I think we should definitely do something like that. It is also an experiment to see if the universality that Japanese people think of can be understood by the rest of the world.

Regarding my letter to His Majesty the Emperor

The content of my blog includes the contents of my letter to His Majesty the Emperor. I would like to ask you to establish a new Christian group in Japan in the Catholic Church. The content of the letter is that we would like His Majesty the Emperor to be the “restorer of a new Christianity” in Japan. We hope that this opportunity will lead to the birth of a female emperor.

A religion that combines science and Christianity was proposed by the Korean Former Unification Church as the Divine Principle, but was labeled “paganism” by the traditional churches. The science proposed by the former Unification Church was pseudoscience, a set of beliefs that do not meet the criteria to be called science, but are made to appear to be science.

The former Unification Church is now called the Family Federation for World Peace and Unification. As you may know since it was reported in the news, the shooting incident of former Prime Minister Abe occurred on July 8, 2022. As a result of this incident, the Minister of Education, Culture, Sports, Science and Technology submitted a request for a dissolution order to the court against the “Family Federation for World Peace and Unification. The “Family Federation for World Peace and Unification” has long been considered a cult-like religious organization.

I believe that the “Family Federation for World Peace and Unification” will eventually be dissolved, and after that I hope that it will be active in the Catholic Church as a group that supports the new Christianity that combines my proposed science with Christianity. I have never been a member of this cult, but I have been to the video center run by this cult and studied the Divine Principle. I hope that you will turn around and take on the role of connecting science with the core of Japanese culture.

Request to Mr. Yukinori Nemoto, a Member of the Diet

I wrote to Mr. Yukinori Nemoto, a member of the Diet, in advance of sending an e-mail to dentists involved in gnathology in the United States. That is, if we really start to research Gnathology 2.0 at “Institute of Science Tokyo”, it will be quite costly. Through industry-academia collaboration, we may be able to utilize public funds such as grants. I have asked Mr. Nemoto to coordinate with companies and universities. When the “Institute of Science Tokyo” really starts to research Gnathology 2.0, I would like Dr. Nemoto to coordinate the collaborators! Previously, the dental laboratories, “Wada precision dental laboratory” and “Ktex dental laboratory” were interested in the project. Keyence Corporation, a manufacturer of measuring instruments, may be willing to cooperate with us if there is an applicable field. However, we have not confirmed this at present, although there was such a feeling in the past. Also, according to news and weekly articles, Mr. Nemoto seems to be in close contact with the “Family Federation for World Peace and Unification”. I hope that you can play some role in the Christian relationship as well.

What I can do

I am running out of things I can do. I thought about reviving Leibniz, Spinoza, and others, but then I suddenly thought of sending out such an email and decided to stop for the time being. I have been thinking that the issue of updating to Gnathology 2.0 and the issue of Christianity in Japan are one and the same. When the results of the Gnathology 2.0 research are commercialized, I hope that the results will be used to help defray some of the costs of linking science to the core of Japanese culture.

Please, visit my blog

I have prepared a downloadable PDF with detailed explanations on my blog. Please visit my blog and download the PDF to read it.

(<https://an-open-letter.com/en/cartesian-philosophy-1/>)

Thank you for your time and consideration.

Sincerely,

Toshiji Shimizu

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