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ICP plasma technology for alternative medicine and new materials fight against pathogenic infection

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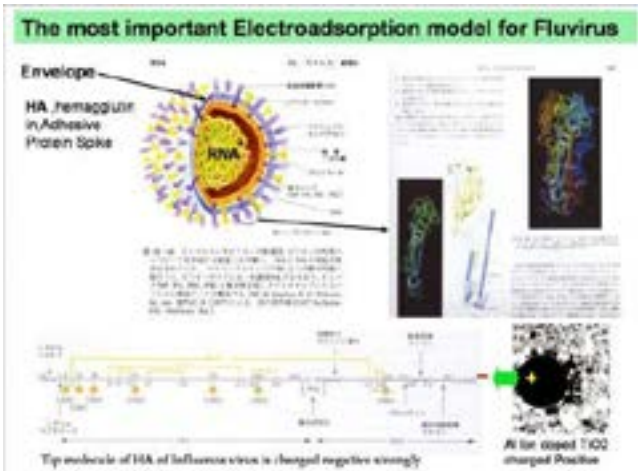
We developed brand new alternative medical technology due to ICP Plasma(RFP) Technology fight against various pathogenic infections which are caused by virus,resistant bacteria and protozoa. ICP Plasma synthesized Particles have been testing as Electroadsorptive particle against various proteins and inflammatory materials. We have obtained basic Bio Assay Result as for electroadsorption of typical proteins and chemical mediators. Depend upon these result, we detected very simple interaction rule. Further, we challenged to adsorb viruses and LPS of gram negative bacteria. Envelope type H1N1Flu virus and Non enveloped Capsid type virus has been adsorbed by RFP particle but conventional particle does not adsorbed them. LPS has already adsorbed by RFP. Therefore, almost pathogenic protein such as viral protein and LPS layer of Drug Resistant Bacteria will be adsorbed by RFP technology no matter what kinds of mutation occurs on pathogens. RFP particle dispersed emulsion will avoid pandemic and RFP particle's aqueous dispersion will ameliorate the serious infection and Mortal Kidney Failure. On the other hand,RFP damages bacteria's LPS layer due to high plasma energy. So we can design the comprehensive Pandemic- Prevention System for global Airport no matter which kinds of infection risks.



Biography

Atsushi Takeda Born in Shizuoka pref.Japan in 1948.Graduated after Geochemistry, Institute of Mining Geology, Akita Univ.Japan. After engaged in materials science for 10 years, special collaboration for establishing new biomedical particles by using ICP Thermal Plasmas had carried out in Japan. This result have been applied against dermatitis troubles such as atopic diseases and so many incurable skin diseases and Behchet disease. Since 2008, New collaboration with pharmacology and medical science has been examined against Protein adsorption for removing viral or Resistant Bacteria Infection

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