

PRESS RELEASE

Free publication of epitope prediction dataset and source code to promote global research and development of vaccines such as for the new coronavirus infection (COVID-19)

Tokyo July 29,2020- Future Corporation to promote global research and development of vaccines for viruses such as the new coronavirus infectious disease (COVID-19) published for free its epitope prediction dataset and source code on the international data analysis competition site “kaggle” (<https://www.kaggle.com/futurecorporation/epitope-prediction>).

Future which is promoting the widespread use of AI technology for business, projects, R&D and others, utilizes its accumulated deep learning technology and is currently collaborating in a joint research and development of next generation vaccine using antibody-derived peptide estimated by AI with Osaka University Graduate School of Medicine, FunPep Co Ltd. and AnGes Inc.

In efforts to make the results of the R&D widely utilized in society, Future published its B-cell epitope prediction dataset and a source code for easy handling of the dataset at the “kaggle” site. Furthermore, Future also published its results of the research on B-cell epitopes on the research paper publication site “bioRxiv” (<https://www.biorxiv.org/content/10.1101/2020.07.27.224121v1>) for further utilization.

With the publication of the dataset, source code and research papers, AI researches with no medical background is hoped to be able to easily access the data. Conversely, Medical researchers without AI background is also hoped to be able to access the source code.

Future will continue to publish valuable insights, connecting various research fields in contributing towards the speedup of global vaccine development.

(Reference)

Participation in DNA vaccine joint development team by AnGes and Osaka University on the novel coronavirus disease (COVID-19)

https://www.future.co.jp/en/assets/pdf/200511_vaccine.pdf

■About Future Corporation

<https://www.future.co.jp/en/>

Future Group has developed technology-based businesses in two main areas: “IT consulting and services” and “business innovation.” Future Group has contributed to the creation of new services in digital marketing, IT education, e-commerce, and various other fields. Future Group achieves these by sharing amongst themselves, the business and technological knowhow that Future Architect and other Group companies have accumulated over the many years of providing IT consulting services to a wide range of customers.

* For more information please refer to the following link.

https://www.future.co.jp/en/contact_us/