

**김응희 (Eung-Hee Kim)**

## Curriculum Vitae

Research & Development, Team Leader  
LifeSemantics Corporation



- **Educational Background & Professional Experience**

2022-	Lifeseantics, Team leader
2018-2022	Sunmoon Univ., Assistant professor
2017-2017	Seoul National Univ., Research professor
2016.02	Seoul National Univ., Ph.D
2009.02	Seoul National Univ., MS
2007.02	Sunmoon Univ., BS

- **Research Interests**

The research topic of mine is to design and develop meaningful services by applying machine learning techniques to the medical field. Here is a list of the projects I'm currently working on: Software for prediction of BP (Blood pressure) values after 1-4 weeks using the past 8 weeks BP values; Mobile app. for detection of skin cancer from smartphone images; Decision support system for diagnosis of prostate cancer using dielectric & electronic medical records; Service for prediction of hypertension complication using electronic medical records.

- **Publications**

1. GCRNN: graph convolutional recurrent neural network for compound-protein interaction prediction, BMC Bioinformatics, 2021
2. System and method for predicting compound-protein interaction based on deep learning, Domestic patent, 2021
3. Experimentation of Human Activity Recognition by Using Accelerometer Data Based on LSTM, Advanced Multimedia and Ubiquitous Engineering, Lecture Notes in Electrical Engineering, 2020
4. Apparatus and method for extracting association rules in phases, Domestic patent, 2020
5. A pilot study using machine learning methods about factors influencing prognosis of dental implants, The Journal of Advanced Prosthodontics, 2018