Scholarship for a master’s student in deep learning and radiomics

PI: dr. Neo Christopher Chung (nchchung@gmail.com)

Description of the project:

Interpretability of Deep Neural Networks for Radiomics (INFORM) is a CHIST-ERA project funded by the Horizon 2020 Future and Emerging Technologies (FET) programme of the European Union. Comprised of scientific groups from Poland (Institute of Informatics, University of Warsaw), France (Laboratory of Medical Information Processing, University of West Brittany), and Greece (BioEmTech), we aim to develop interpretable deep neural networks to classify and predict cancer based on medical imaging. We particularly focus on interpretability and explainability, as to contribute to fundamental understanding and to enable adaptation of deep learning in medicine. For further details, please refer to https://www.chistera.eu/projects/inform

This call seeks a master’s student to develop and apply deep learning methods for cancer medical imaging under supervision of Dr. Neo Christopher Chung. Her or his project will contribute to developing radiomic and related machine learning approaches and creating deep learning classifiers and explainability methods for cancer based on medical images and other data sources.

Terms of employment:
1500 PLN (gross / brutto) per month
1 years

Requirements:
Bachler’s degree in computer science, statistics, bioengineering, and related fields
Good knowledge of Python and PyTorch/Tensorflow
Coursework and research experience in statistical analysis and machine learning

Applications:
Letter of motivation
Curriculum vitae (C.V.)
List of references (contact info of minimum 2 teachers/supervisors)

Deadline: December 31, 2021