❏ The BISPL Awards

BISPL awards was created in 2013 to recognize the contributions of BISPL researchers during the year. The criterion for the selection is based on the research, services, etc. There are three categories:

- Best Researcher of the Year
Best researchers among postdoc, researchers and graduate students
Prize money: 4 million KW

- Best Doctoral Student of the Year
Best researcher among Ph.D. students
Prize money: 3 million KW

- Best Master Student of the Year
Best researcher among M.S. students
Prize money: 2 million KW

❑ **Best Master Student of the Year**

Total Score: 110

Journal + Top Tier Conf Publications
- 2 papers (60pts)

Journal + Top Tier Conf Submissions
- 1 papers (25pts)

Other International Conf Publications/Submissions
- 2 papers (10pts)

Patents
- 1 international (5 pts) / 1 domestic (pts)

❑ **Best Master Student of the Year**

Published

1. Federated Split Vision Transformer for COVID-19 CXR Diagnosis using Task-Agnostic Training/ S. Park*, G. Kim*, J. Kim, B. Kim, J. C. Ye (*co-first authors)/ NeurIPS 2021

2. Multi-task Vision Transformer using Low-level Chest X-ray Feature Corpus for COVID-19 Diagnosis and Severity Quantification/ S. Park*, G. Kim*, Y. Oh, J. B. Seo, S. M. Lee, J. H. Kim, S. Moon, J. K. Lim, J. C. Ye (*co-first authors)/ Medical Image Analysis

Submitted

1. DiffusionCLIP: Text-Guided Diffusion Models for Robust Image Manipulation/ G. Kim, T. Kwon, J. C. Ye, CVPR 2022

❑ **Best Doctoral Student of the Year**

Total Score: 230

Journal + Top Tier Conf Publications
- 2 papers (60pts)

Journal + Top Tier Conf Submissions
- 3 papers (75pts)

Other International Conf Publications/Submissions
- 2 papers (15pts)

Domestic Publications/Submissions
- 1 papers (5pts)

Patents
- 2 international (10 pts) / 3 domestic (15ps)

Domestic Awards
- 2 awards (10 pts) / KoSAIM Best Paper Spring, Fall

Etc
- Project leader (20 pts)
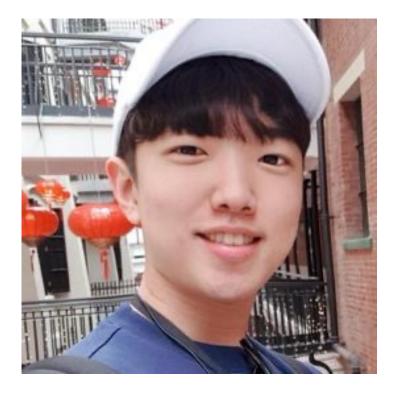- Lab head (10pts)

❑ **Best Doctoral Student of the Year**

Published

1. Federated Split Vision Transformer for COVID-19 CXR Diagnosis using Task-Agnostic Training/NeurIPS/co-first

2. Multi-task vision transformer using low-level chest X-ray feature corpus for COVID-19 diagnosis and severity quantification, Medical Image analysis

Submitted

1. Enhanced diagnosis of plaque erosion by deep learning in patients with acute coronary syndromes, European Heart Journal

2. Diagnosis of Coronary Layered Plaque by Deep Learning, Journal of the American Heart Association

3. AI can evolve without labels: self-evolving vision transformer for chest X-ray diagnosis through knowledge distillation, Nature Machine Intelligence

❑ Best Researcher of the Year

Journal + Top Tier Conf Publications

- 5 papers (125pts)

Journal + Top Tier Conf Submissions

- 4 papers (100pts)

Other International Conf Publications/Submissions

- 2 papers (15pts)

Domestic Patents

- 5 applications (25 pts)

Total Score: 265

❑ **Best Researcher of the Year**

Published

1. **Hyungjin Chung** and Jong Chul Ye, "Feature Disentanglement in generating three-dimensional structure from two-dimensional slice with sliceGAN", *Nature Machine Intelligence*, 2021.

2. **Hyungjin Chung*,** Jaeyoung Huh*, Geon Kim, Yong Keun Park, and Jong Chul Ye, "Missing Cone Artifact Removal in ODT Using Unsupervised Deep Learning in the Projection Domain", IEEE Trans. Computational Imaging, 2021 (*First)

3. Joon Yeol Nam*, **Hyungjin Chung*,** et al," A deep learning model for diagnosing gastric mucosal lesions using endoscopic images: development, validation, and method comparison", Gastrointestinal Endoscopy 2021. (*First)

4. **Hyungjin Chung**, Eunju Cha, Leonard Sunwoo, Jong Chul Ye, "Two-Stage Deep Learning for Accelerated 3D Time-of-Flight MRA without Matched Training Data," Medical Image Analysis, 2021.

5. Mehmet Akcakaya, Burhaneddin Yaman, **Hyungjin Chung,** and Jong Chul Ye, "Unsupervised Deep Learning Methods for Biological Image Reconstruction and Enhancement", IEEE Signal Processing Magazine, 2021.

Submitted

Magnetic Resonance in Medicine (1), ACS Nano (1), Medical Image Analysis (1), CVPR (1)

❑ **Honorable Mention (>100)**

Total Score: 180
- 2 paper publications
- 3 submission
- 1 domestic award
- 3 patents
- 4 project leader
- lab leader

Total Score: 135
- 3 paper publications
- 1 submission
- 4 international conf.
- 2 project leader

Total Score: 120
- 1 paper publication
- 2 submission
- 5 patents
- 1 project leader

Total Score: 105
- 2 paper publications
- 2 submission
- 4 international conf.