

# **A 15-year exploration of physiology course design: From textbook illustration to 3D animation**

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## **Abstract**

In this workshop report, there is an introduction to “A 15-year exploration of physiology course design”. The contents are mainly about our step-by-step implementation of the 15-year teaching exploration. In the first beginning, some textbook illustrations, including monochrome images and color graphs, were made to assist classroom teaching. Then, based on the illustrations, 2D animations were produced and adopted into the textbook for five-year and eight-year medical programs, respectively. Meanwhile, the previous work has been polished and updated during the 15-year exploration. 3D animation dubbed in Chinese has been fully operational in the physiology curriculum at our university. Recently, 2D and 3D micro-videos with English dubbing have been placed on the agenda, which can facilitate teaching and self-learning for both domestic and oversea audiences in the future. Through the demonstration and promotion in IUPS, we believe that the interdisciplinary technology advantages of our teamwork, especially the staff with specific solid medical knowledge and skill animation techniques, will further promote our exploration of physiology course design.