

S26-3 Medicinal Chemistry: What should we educate to a student, and what should we research, at a university?

○Naoki MIYATA¹

¹Graduate School of Pharmaceutical Sciences, Nagoya City University

Four years just passed after the pharmaceutical education system of the university in Japan was reformed. I am teaching and researching “Medicinal Chemistry” at the Graduate School of Pharmaceutical Sciences in Nagoya City University for about eight years. In this symposium, I would like to express my personal opinions about what we should teach to a student and what we should research at a university.

1. Education of Medicinal Chemistry in university

Medicinal Chemistry is foundationally based on Organic Chemistry but also grounded on broad scientific knowledge from structural biology to computational chemistry. We may need to reconsider What, When and How do we teach Medicinal Chemistry to students.

2. Research of Medicinal Chemistry in university

Medicinal Chemistry in university is remarkably growing up in these years. Certainly, the number of Medicinal Chemistry researchers working in university is increased and the quality of Medicinal Chemistry research has been elevated. Moreover, many young students are fairly interested in the research area of Medicinal Chemistry. I expect that Medicinal Chemistry becomes to take a leading part of science among the pharmaceutical sciences. However there are a few problems to be solved to realize the above mentioned brilliant feature of Medicinal Chemistry. I would like to give some suggestions about the problems.