

Diversity plays a key role in solving challenging problems

Christi J. Guerrini et al. wrote an article entitled "Citizen science, public policy" (1). Christi J. Guerrini et al. raised the issue of intellectual property including patent problems. However, For a patent filed internationally, including foreign filing fees, translation fees, and foreign associate fees, the total figure easily reaches US\$100k+ (2). Who pays for patent filing in citizen science? If the filed patent is very promising, government or involved companies may pay for it. The term "citizen scientists" means distinguishing scientists and citizen scientists. There is no boundary between scientists and citizen scientists. We don't have to distinguish them. According to Wikipedia, "Citizen science" is scientific research conducted, in whole or in part, by amateur (or nonprofessional) scientists. Diversity is crucial when solving challenging problems (3). Diversity means including professional and amateur scientists where amateurism is the mother of invention (4). Diversity plays a key role in solving challenging problems.

#### References:

1. Christi J. Guerrini et al., "Citizen science, public policy," Science 13 Jul 2018: Vol. 361, Issue 6398, pp. 134-136
2. <http://www.ipwatchdog.com/2017/07/12/patent-portfolio-valuations/id=85409/>
3. <https://blogs.cisco.com/csr/diversity-in-the-it-industry-is-key-to-solving-global-problems>
4. <http://science.sciencemag.org/content/356/6334/144/tab-e-letters>