
Symposium (Oral) | Symposium | 【Open Symposium】 Cutting edge nanotechnology for virus detection -Realization of a pandemic-free society with graphene FET sensors capable of rapid detection of human infectious viruses-

[15p-A410-1~11] 【 Open Symposium】 Cutting edge nanotechnology for virus detection -Realization of a pandemic-free society with graphene FET sensors capable of rapid detection of human infectious viruses-

Kazuhiko Matsumoto(Osaka Univ.), Akio Ono(Osaka University)

Wed. Mar 15, 2023 1:30 PM - 5:35 PM A410 (Building No. 6)

△ : Presentation by Applicant for JSAP Young Scientists Presentation Award

▲ : English Presentation

▼ : Both of Above

No Mark : None of Above

1:30 PM - 1:35 PM

[15p-A410-1]Opening

○Kazuhiko Matsumoto¹ (1.Osaka Univ.)

Keywords:Graphene, Biosensor, Virus

The purpose of this symposium is described.

Rapid and highly sensitive detection of human infectious viruses is desired for pandemic control. In this symposium, we will introduce research results at the forefront of virus detection using nanotechnology such as silicon technology, nanopores, and graphene. In addition, we will report on the position of virology, demands from the needs side, and the road to commercialization for social implementation.