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# The 133<sup>rd</sup> iCeMS SEMINAR

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**Tue 12 Mar 2013**  
**18:00-19:00**

**Total cellular glycomics: a glycomic approach  
to describe cells and streamline  
the discovery process for cellular biomarkers**

Lecturer: **Prof. Yasuro Shinohara**  
Hokkaido University Lab of Medical and Clinical Glycomics  
Frontier Research Center for  
Post-Genome Science and Technology

Venue: 2nd Floor Seminar Room (#A207)  
iCeMS Main Building (#70), Kyoto University

Prof. Shinohara will talk about a concept and methodology to systematically overview all major classes of oligosaccharides in the cellular glycome (N- and O-linked glycans derived from glycoproteins, glycosaminoglycans, and glycosphingolipids, as well as free oligosaccharides). Characteristics of the glycomic profiles of ES and iPS cells will be discussed in comparison with those of other human cells.

**Contact:** iCeMS Innovation Management Group (IMG) at [sengoku-g@icems.kyoto-u.ac.jp](mailto:sengoku-g@icems.kyoto-u.ac.jp)  
**Hosted by:** iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University  
**Co-hosted by:** Center for Frontier Medicine, Global COE Program, Kyoto University

