

216th

iCeMS Seminar

May 23, 2019

3 pm–4:30 pm

Kyoto University KUIAS/iCeMS Main Building
4F KUIAS Meeting Room (A408)

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Twenty Years of Redox Regulation in Cell Signaling: Painting the Cysteine Chapel by Oxidants

Living in the aerobic atmosphere, cells in our body constantly encounter reactive oxygen species (ROS) and nitric oxide (NO), which act as second messengers. Obviously, there must be intracellular sensors that respond to fluctuating levels of ROS or NO effectively. One such sensor is the active-site cysteine residue of thiol enzymes. In this talk, I will discuss a few successful and on-going studies about how we could harness the advanced techniques to depict the redox sensing function on the active-site cysteine residue under physiological or pathophysiological conditions.

More details are available at the iCeMS website:
www.icems.kyoto-u.ac.jp

Contact iCeMS Suzuki Lab at jsuzuki@icems.kyoto-u.ac.jp

Hosted by Institute for Integrated Cell-Material Sciences (iCeMS),
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