

iCeMS

# Learning Lounge

#3

October 21, 2015 2pm

Kyoto University iCeMS  
Main Building 2F Seminar Room

Right at the "Kyodai Seimon-Mae" city bus stop  
on the northwest corner of the Higashi-Ichijo intersection

Open to anyone interested

No registration required

(iCeMS members register via lab)

Language: English



## Why Our Science Matters

The "Learning Lounge" features young scientists who, in 20 minutes deliver a presentation that will persuade any curious listener, even those without a scientific background, why their research area—not just the personal research of the speaker—is important to the world.

Aya



Sato-Carlton

### How Is Your DNA Passed onto Your Children?

When we generate sperm or eggs, we package only half of our DNA strands into each sperm or egg cell. How are DNA molecules controlled in such a precise manner? I will show how DNA molecules are handled during this cell division, passing your genetic information onto your children.

### Making Invisible Worlds Visible

Human eyes work well in bright sunlight, and they enable us to quickly see tiny dust specks as well as huge mountains in full color. However, under the darkness of night, they hardly help at all. Nonetheless, there exist animals, e.g., snakes, whose "eyes" are sensitive to infrared radiation emitted from their prey, enabling them to hunt in the dark. Here, I will show how humankind has made invisible worlds visible by developing laser radiation devices that go far beyond what sunlight can reveal.

Hideki



Hiroi



Event web page:  
[tiny.cc/LL3](http://tiny.cc/LL3)



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