## **iCeMS**

# Learning Lounge

## |月26日(木)||4:00~

京都大学

物質ー細胞統合システム拠点(iCeMS=アイセムス) 本館2階 セミナールーム

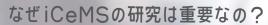
京都市バス「京大正門前」下車すぐ 「東山東一条」交差点 北西角

事前登録不要

(iCeMSメンバーは研究室経由で要事前登録)

使用言語 講演:英語

質疑応答:英語または日本語



「ラーニングラウンジ」では、毎回2名の若手研究者が、自身の研究についてそれぞれ20分間のトークを行います。社会背景に関連づけた魅力的なトークにより、なぜ自分の研究が世界にとって重要なのか、専門外の方にもわかりやすく訴えかけます。



iCeMSラーニングラウンジ



#### **Shapes of Neurons Shape Our Behavior**

How does your brain recognize a fly, decide to catch it, and then move your hand? Even a simple activity such as this requires neurons to make many, many precise connections in the brain. Different neuronal shapes can control the way connections are made, and studying the rules of how these shapes are formed can help us better understand how the brain works.

#### **Foul Play! Making Self-Cleaning Surfaces**

What if we had self-cleaning surfaces? Currently, cleaning of filters used in industry costs a great deal of time and money. Fouling on medical devices can lead to rejection by the body. In my talk I explain how fouling occurs and how we can develop self-cleaning surfaces.





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