

$$T(x) \cdot \frac{\partial}{\partial \theta} f(x, \theta) dx = M \left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L(\xi, \theta) \right)$$

$$T(x) \cdot \left(\frac{\partial}{\partial \theta} \ln L(x, \theta) \right) \cdot f(x, \theta) dx = \int_{R_n} T(x) \cdot \left(\frac{\partial}{\partial \theta} \ln L(x, \theta) \right) \cdot f(x, \theta) dx$$

FMI

Friedrich Miescher Institute
for Biomedical Research

Computational Neuroscience Initiative Basel and FMI students present:

Nao Uchida

| Harvard University, Cambridge, MA, USA,

Workshop: Friday, February 21st, 11:30-13:00

Reinforcement learning and dopamine

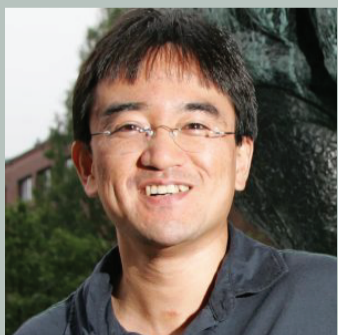
Sandwiches will be provided, please register at www.fmi.ch/CNIB!

Seminar: Thursday, February 20th, 11:30-12:30

A normative perspective on the diversity of dopamine signals

Room 5.30

Friedrich Miescher Institute
for Biomedical Research
Maulbeerstrasse 66, Basel



Naoshige Uchida is a professor at the Center for Brain Science and Department of Molecular and Cellular Biology at Harvard University since 2006. He received his Ph.D. from Kyoto University in Japan. As a post-doc, he studied olfactory coding and decision-making in K. Mori's lab at RIKEN, Japan and Z. F. Mainen's lab at Cold Spring Harbor Laboratory, New York. His current research focuses on the neurobiology of learning, including neural computation in the midbrain dopamine system. His research combines experimental approaches and computational modeling in a complementary and organic manner.

