Curriculum Vitae

ATSUKI HIRAMOTO PH.D. CANDIDATE

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EDUCATION

April 2017 – current

Ph.D. program

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Laboratory of Dr. Akinao Nose

March 2017

Master of Science

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Laboratory of Dr. Akinao Nose

March 2015

Bachelor of Engineering

Undergraduate Course Program of Environmental Engineering, Faculty of Engineering, Kyoto University

Laboratory of Dr. Yuzuru Matsuoka

RESEARCH EXPERIENCE

April 2015 – current

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Dr. Akinao Nose, Principal Investigator

Research Project: A behavior specific neural circuit that regulate and generate muscular relaxation pattern in *Drosophila* larvae

During my Ph.D., I have found that pattern of muscular relaxation in *Drosophila* larval backward escape locomotion is regulated and generated by segmentally repeated ascending cholinergic interneurons that is input from command neurons and output inhibitory pre-motor neurons.

Techniques included: optogenetics, calcium imaging, behavior assay, EM circuit mapping, signal analysis, image analysis

October – December 2016

HHMI Janelia Research Campus

Dr. Albert Cardona, Group Leader

Research Project: Characterizing neural circuits that induce backward locomotion

Techniques included: EM circuit mapping

April 2014 - March 2015

Undergraduate Course Program of Environmental Engineering, Faculty of Engineering, Kyoto University

Dr. Yuzuru Matsuoka, Principal Investigator

Research Project: A comparison of air pollutant from a global chemical transport model and satellite date

Techniques included: computer simulation

TEACHING EXPERIENCE

September 2019 - February 2019

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Teaching assistant

April - July 2019

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Teaching assistant

June - August 2018

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Tutor

April - July 2018

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Teaching assistant

September 2017 - April 2018

Department of Complexity Science and Engineering, Graduate School of Frontier Sciences, The University of Tokyo

Tutor

FELLOWSHIP

June - November 2019

Academic Research Grant for GSFS Doctor Course Students

June - November 2018

Academic Research Grant for GSFS Doctor Course Students

June - November 2017

Academic Research Grant for GSFS Doctor Course Students

AWARDS

2019

Travel award to attend The 42nd Annual Meeting of the Japan Neuroscience Society

2017

Repayment Exemption for Students with Excellent Grades, Japan Student Services Organization (JASSO) Type I (interest-free) scholarship.

PUBLICATIONS

Atsuki Hiramoto, Gakuji Kurata, Yuzuru Matsuoka
"全球化学輸送モデルによる大気汚染物質濃度の再現と衛星データとの比較(A comparison of air pollutant from a global chemical transport model and satellite date)"
京都大学環境衛生工学研究会機関誌 **29**(3): 114-117, Jul. 10th, 2015

PRESENTATION

Oral presentation

July 25th, Niigata (Japan)

The 42nd Annual Meeting of the Japan Neuroscience Society

Atsuki Hiramoto, Julius Jonaitis, Sawako Niki, Richard Fetter, Albert Cardona, Stefan Pulver, Akinao Nose

"A neural circuit that orchestrates muscle relaxation in an escape behavior"

Poster presentation

July 26th – 29th, Kobe (Japan)

The 41st Annual Meeting of the Japan Neuroscience Society

Atsuki Hiramoto, Julius Jonaitis, Sawako Niki, Richard Fetter, Albert Cardona, Stefan Pulver, Akinao Nose

"Identification of a neuronal circuit that can elicit backward locomotion in Drosophila larvae"

July 20th – 23rd, 2017, Makuhari (Japan)

The 40th Annual Meeting of the Japan Neuroscience Society

Atsuki Hiramoto, Julius Jonaitis, Sawako Niki, Richard Fetter, Albert Cardona, Stefan Pulver, Akinao Nose

"Identification of neuronal circuitry that regulate backward escape behavior in Drosophila larvae"

October 23rd – 26th, 2016, HHMI Janelia Research Campus (USA)

Janelia conference: "Behavioral Neurogenetics of Drosophila Larva"

Atsuki Hiramoto, Sawako Niki, Dohjin Miyamoto, Akinao Nose

"Identification of interneurons that induce backward escape behavior in Drosophila larvae"

July 20th – 22nd, 2016, Yokohama

The 39th Annual Meeting of the Japan Neuroscience Society

Atsuki Hiramoto, Sawako Niki, Dohjin Miyamoto, Akinao Nose

"Identification of interneurons that induce backward escape behavior in Drosophila larvae"