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

***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 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

***(expected June 2019)***

**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***

**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***

**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”