

Akihiko Oharazawa

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EMPLOYMENT HISTORY

Kao Corporation

Research Scientist, Research and Development

Tokyo, JPN

2017 - present

Sony Corporation

Research Intern, Medical Business Group

Tokyo, JPN

Winter 2016

ACADEMIC HISTORY

Carnegie Mellon University, Robotics Institute

Visiting Researcher

Advisor: Prof. Srinivasa Narasimhan

Pittsburgh, USA

2024 - present

University of Tsukuba

M.S. in Comprehensive Human Science

Advisor: Prof. Hideaki Soya

Ibaraki, JPN

2015 - 2017

University of Tsukuba

B.S. in Health and Sports Science

Advisor: Prof. Hideaki Soya

Ibaraki, JPN

2011 - 2015

SELECTED PUBLICATIONS

CONFERENCE PUBLICATIONS

[1] **Resolving Shape Ambiguities using Heat Conduction and Shading**

Akihiko Oharazawa, Sriram Narayanan, Mani Ramanagopal, Srinivasa Narasimhan

IEEE International Conference on Computational Photography (ICCP), 2025

[2] **More than One Step at a Time: Designing Procedural Feedback for Non-visual Makeup Routines**

Franklin Mingzhe Li, Akihiko Oharazawa, Chloe Qingyu Zhu, Misty Fan, Daisuke Sato,

Chieko Asakawa, Patrick Carrington

International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS), 2025

[3] **Changes in metabolites in skin interstitial fluid during local skin heating: A metabolomic insight**

Akihiko Oharazawa, Gulinu Maimaituxun, Koichi Watanabe, Takeshi Nishiyasu, Naoto Fujii

SID Annual Meeting, Dallas, USA, 2024

JOURNAL PUBLICATIONS

[1] **Metabolomics of the Skin Dialysate Collected from the Forearm Subjected to Local Heating**

Akihiko Oharazawa, Gulinu Maimaituxun, Koichi Watanabe, Takeshi Nishiyasu, Naoto Fujii

Journal of Investigative Dermatology (JID), 2026

[2] **Metabolome analysis of skin dialysate: insights into skin interstitial fluid biomarkers**

Akihiko Oharazawa, Gulinu Maimaituxun, Koichi Watanabe, Takeshi Nishiyasu, Naoto Fujii

Journal of Dermatological Science (JSD), 2024

[3] **High-intensity intermittent training enhances spatial memory and hippocampal neurogenesis associated with BDNF signaling in rats**

Masahiro Okamoto, Daisuke Mizuuchi, Koki Omura, Minchul Lee, **Akihiko Oharazawa**,
Jang Soo Yook, Koshiro Inoue, Hideaki Soya
Cerebral Cortex, 2021

[4] **Skin capillary extraction technique based on independent component analysis and Frangi filter using videomicroscopy**

Akihiko Oharazawa, Masaki Ogino, Masaru Sugawara, Masanori Tanahashi
Skin Research and Technology, 2020

AWARDS

- **Best Poster Award**, CVPR Workshop on Computational Cameras and Displays (2025)
Vision with Light and Heat [Poster]

PATENTS

- P2025-086813, Information Processing System, Method, and Computer Program (2025)
- P2025-086812, Information Processing System, Method, and Computer Program (2025)
- WO24-019101, Information Presentation Method and Device (2023)
- P2023-117376, Information Presentation Method and Device (2023)
- P2023-102083, Skin Imaging System (2023)
- P2022-046771, Lip Evaluation Method (2022)
- P2022-086627, Lip Evaluation Method (2022)
- P2019-039939, Image Processing Method (2019)