

# Kazuma Ohara | Curriculum Vitae

Graduate School of Mathematical Science, The University of Tokyo,  
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## Education

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- Master, Mathematical Science, The University of Tokyo, April 2020–March 2022  
Supervisor: Noriyuki Abe
- Bachelor, Science, The University of Tokyo, April 2016–March 2020

## Research Interests

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- Representation theory of Hecke algebras and reductive groups over local fields
- Langlands correspondence and Langlands functoriality

## Grants/Fellowships

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- JSPS Research Fellow (DC1), Japan Society for the Promotion of Science (Grant Number: 22J22712), April 2022–March 2025
- FMSP course student, The Leading Graduate Course for Frontiers of Mathematical Science and Physics, September 2020–March 2025

## Award

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- Dean's Award(Master's course), Graduate School of Mathematics, the University of Tokyo, March 2022.

## Papers

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### Published or Accepted:

1. *On the formal degree conjecture for non-singular supercuspidal representations*, International Mathematics Research Notices, rnac154

### Preprints:

1. *Hecke algebras for tame supercuspidal types*, arXiv e-prints (2021), to appear in American Journal of Mathematics, arXiv:2101.01873.

## Talks in Seminars/Workshops/Conferences

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- 9th Kyoto conference on automorphic forms, Kyoto University, June 24-26, 2022
- Algebraic Lie Theory and Representation Theory, online, May 23-27, 2022
- Automorphic form, automorphic  $L$ -functions and related topics, RIMS, January 24-28, 2022
- Colloquium of Algebra, the University of Tokyo, November 24, 2021
- Symposium on Representation Theory 2021, online, November 18-21, 2021