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## Education

**Doctor of Philosophy** in Graduate School of Nutritional and Environmental Sciences, University of Shizuoka, 2014

**Bachelor of Science** in School of Food and Nutritional Sciences, University of Shizuoka, 2009

**Associate** in Department of Materials Science and Engineering, Suzuka National College of Technology, 2007

## Employment

**University of Shizuoka**, School of Food and Nutritional Sciences, Research Assistant Professor, 2015-present

**University of California, Riverside**, Department of Entomology, Researcher, 2014-2015

**Okazaki Institute for Integrative Bioscience**, Department of Biodesign Research, Researcher, 2014

## Publications

1. Ohhara Y\*, Yamanaka N\*. Internal sensory neurons regulate stage-specific growth in *Drosophila*. *Development*. 149(21):dev200440 (2022).
2. Ohhara Y\*, Kato Y, Kamiyama T, Yamakawa-Kobayashi K. Su(var)2-10- and Su(var)205-dependent upregulation of the heterochromatic gene *neverland* is required for developmental transition in *Drosophila*. *Genetics*. 222(3):iyac137 (2022).
3. Yamakawa-Kobayashi K\*, Ishikawa S, Miyake N, Ohhara Y, Goda T. Influences of the interactions of

genetic variations of seven core circadian clock genes with lifestyle factors on metabolic parameters. *Lifestyle Genomics*. 15(4):124-130 (2022).

4. Ohhara Y\*, Hoshino G, Imahori K, Matsuyuki T, Yamakawa-Kobayashi K. The Nutrient-Responsive Molecular Chaperone Hsp90 Supports Growth and Development in *Drosophila*. *Frontiers in Physiology*. 12: 690564 (2021).
5. Sato A, Ohhara Y\*, Miura S, Yamakawa-Kobayashi K. The Presence of Odd-chain Fatty Acids in *Drosophila* Phospholipids. *Bioscience Biotechnology and Biochemistry*. 84(10):2139-2148 (2020).
6. Imura E, Shimada-Niwa Y, Nishimura T, Hückesfeld S, Schlegel P, Ohhara Y, Kondo S, Tanimoto H, Cardona A, Pankratz M J, Niwa R. The Corazonin-PTTH Neuronal Axis Controls Systemic Body Growth by Regulating Basal Ecdysteroid Biosynthesis in *Drosophila melanogaster*. *Current Biology*. 30(11), 2156–2165 (2020).
7. Yamakawa-Kobayashi K\*, Ohhara Y, Kawashima T, Ohishi Y, Kayashima Y. Loss of CNDP Causes a Shorter Lifespan and Higher Sensitivity to Oxidative Stress in *Drosophila melanogaster*. *Biomedical Research (Tokyo)*. 41(3):131-138 (2020).
8. Ohhara Y\*, Nakamura A, Kato Y, Yamakawa-Kobayashi K. Chaperonin TRiC/CCT Supports Mitotic Exit and Entry into Endocycle in *Drosophila*. *PLOS Genetics*. 15(4):e1008121 (2019).
9. Ohhara Y, Kobayashi S, Yamakawa-Kobayashi K, Yamanaka N\*. Adult-Specific Insulin-Producing Neurons in *Drosophila melanogaster*. *Journal of Comparative Neurology*. 526(8):1351-1367 (2018).
10. Yamakawa-Kobayashi K\*, Otagi E, Ohhara Y, Goda T, Kasezawa N, Kayashima Y. The Combined Effects of Genetic Variation in the CNDP1 and CNDP2 Genes and Dietary Carbohydrate and Carotene Intake on Obesity Risk. *Journal of Nutrigenetics and Nutrigenomics*. 10:146-154 (2017).
11. Ohhara Y, Kobayashi S, Yamanaka N\*. Nutrient-Dependent Endocycling in Steroidogenic Tissue Dictates Timing of Metamorphosis in *Drosophila melanogaster*. *PLOS Genetics*. 13(1):e1006583 (2017).
12. Ohhara Y, Shimada-Niwa Y, Niwa R, Kayashima Y, Hayashi Y, Akagi K, Ueda H, Yamakawa-Kobayashi K\*, and Kobayashi S\*. Autocrine regulation of ecdysone synthesis by beta3-octopamine

receptor in the prothoracic gland is essential for *Drosophila* metamorphosis. *Proceedings of the National Academy of Sciences of the United States of America*. 112(2): 1452-1457 (2015).

13. Ohhara Y, Kayashima Y, Hayashi Y, Kobayashi S, and Yamakawa-Kobayashi K\*. Expression of beta-adrenergic-like octopamine receptors during *Drosophila* development. *Zoological Science*. 29(2): 83-89 (2012).

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