

# Curriculum Vitae

## Yuki Shimba

April 1, 2022

Laboratory of Clinical Nutrition,

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### Education

Doctor of Philosophy in Food and Nutritional Sciences, University of Shizuoka, Shizuoka, Japan, 2021

Master of Science in Food and Nutritional Sciences, University of Shizuoka, Shizuoka, Japan, 2018

Bachelor of Science in Food and Nutritional Sciences, University of Shizuoka, Shizuoka, Japan, 2016

### Employment

University of Shizuoka, School of Food and Nutritional Sciences & Graduate School of Integrated Pharmaceutical and Nutritional Sciences, Assistant Professor, 2022-present

JSPS Research Fellowship for Young Scientists (PD), 2021-2022

National Institute of Biomedical Innovation, Health and Nutrition, National Institute of Health and Nutrition, Department of Health Promotion and Exercise, Visiting Research Fellow, 2021-2022

University of Shizuoka, Graduate School of Integrated Pharmaceutical and Nutritional Sciences, Visiting Research Fellow, 2021-2022

JSPS Research Fellowship for Young Scientists (DC2), 2020-2021

Medcare Inc., Corporate Development Department & Registered Dietitian, 2020-2022

University of Shizuoka, School of Food and Nutritional Sciences, Teaching Assistant, 2019-2020

Tokai Hit Co., Ltd., Department of Research and Development, 2018-2019

### Journal Articles

**Y. Shimba**, R. Senda, K. Katayama, A. Morita, M. Ikeda, Y. Kamei, S. Miura: Skeletal muscle-specific forkhead box protein-O1 overexpression suppresses atherosclerosis

progression in apolipoprotein E-knockout mice. *Biol. Biophys. Res. Commun.*, 540 (1): 61-66 (2021).

**Y. Shimba**, K. Katayama, N. Miyoshi, M. Ikeda, A. Morita, S. Miura:  $\beta$ -aminoisobutyric acid suppresses atherosclerosis in apolipoprotein E-knockout mice. *Biological and Pharmaceutical Bulletin*, 43 (6): 1016-1019 (2020).

**Y. Shimba**, H. Togawa, N. Senoo, M. Ikeda, N. Miyoshi, A. Morita, S. Miura: Skeletal muscle-specific PGC-1 $\alpha$  overexpression suppresses atherosclerosis in apolipoprotein E-knockout mice. *Scientific Reports*, 9: 4077 (2019).

S. Onishi, S. Meguro, M. Pervin, H. Kitazawa, A. Yoto, M. Ishino, **Y. Shimba**, Y. Mochizuki, S. Miura, I. Tokimitsu, K. Unno: Green tea extracts attenuate brain dysfunction in high-fat diet-fed SAMP8 mice. *Nutrients*, 11 (4): 821 (2019).

S. Onishi, M. Ishino, H. Kitazawa, A. Yoto, **Y. Shimba**, Y. Mochizuki, K. Unno, S. Meguro, I. Tokimitsu, S. Miura: Green tea extracts ameliorate high-fat diet-induced muscle atrophy in senescence-accelerated mouse prone-8 mice. *PLoS ONE*, 13(4): e0195753 (2018).

### **Oral Presentations (selected)**

**Y. Shimba**, R. Senda, K. Katayama, A. Morita, M. Ikeda, Y. Kamei, S. Miura: Skeletal muscle-specific forkhead box protein-O1 overexpression suppresses atherosclerosis progression in apolipoprotein E-knockout mice. *19th International symposium on atherosclerosis*, Kyoto, Japan, October, 2021.

**Y. Shimba**, R. Suzumura, Y. Nakatogawa: Nutritional Dosage after Craniotomy Clipping in Patients with Subarachnoid Hemorrhage, *36th Japanese Society for Clinical Nutrition and Metabolism*, Kobe, Japan, July, 2021.

**Y. Shimba**, K. Katayama, N. Senoo, H. Togawa, M. Ikeda, N. Miyoshi, N. Ohashi, A. Morita, S. Miura: Mechanism of atherosclerosis suppression by endurance exercise training and involvement of myokine BAIBA, *8th Symposium on Pharmaceutical Food Science*, Shizuoka, Japan, October, 2019.

**Y. Shimba**: Elucidation of the mechanism of atherosclerosis prevention by endurance exercise training - Focusing on skeletal muscle PGC-1 $\alpha$  and myokine, *95th Seminar for Young Life Scientists*, Shizuoka, Japan, August, 2019.

**Y. Shimba**, H. Togawa, N. Senoo, M. Ikeda, N. Miyoshi, A. Morita, S. Miura: Skeletal muscle-specific PGC-1 $\alpha$  overexpression prevents atherosclerosis in apolipoprotein E-knockout mice, *18th International Symposium on Atherosclerosis*, Tronto, Canada, June, 2018.

### **Poster Presentations (selected)**

**Y. Shimba**, H. Togawa, N. Senoo, M. Ikeda, A. Morita, S. Miura: Skeletal muscle specific PGC-1 $\alpha$  overexpression prevents atherosclerosis in apolipoprotein E knockout mice, *The 22nd Shizuoka Forum on Health and Longevity*, Shizuoka, Japan, November 2017.

**Y. Shimba**, H. Togawa, N. Senoo, M. Ikeda, A. Morita, S. Miura: The mechanisms of atherosclerosis prevention by endurance exercise training, *Mt. Fuji Academic and Science Fair*, Shizuoka, Japan, December 2015.

### **QUALIFICATIONS**

Nutritionist (Shizuoka Prefecture, Japan), March, 2016.

Registered Dietitian (Ministry of Health, Labour and Welfare, Japan), May, 2016.

Certified Dietitian in Clinical Nutrition (Japanese Society on Nutrition Care and Management), July, 2020.

### **GRANTS AND AWARDS**

*University of Shizuoka*, President's Award, March, 2021

*74th Annual Meeting of Japan Society of Nutrition and Food Science*, Topics Award, May, 2020

*JSPS*, Research Fellowship for Young Scientist, April, 2020.

*Meiji Yasuda Life Foundation of Health and Welfare*, Research aid of health science for young researcher, December, 2019.

*8th Symposium on Pharmaceutical Food Science*, Presentation Award, October, 2019.

*18th International Symposium on Atherosclerosis*, Young Investigator Fellowship, June, 2018.

*Mt. Fuji Academic and Science Fair*, Poster Awards, December, 2015.