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<http://researchers.ao.ocha.ac.jp/3311590316.html>

**NUTRITION  
AND  
FOOD**

Life style  
related  
disease

■ Researcher information

Contact

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Major

Nutrition, Lipid metabolism

■ Research topics

## Studies on the food composition to prevent the life style related diseases

Keywords

Food function, Animal model, Cultured cell system, Life style related disease, Lipid metabolism

Contents

■ Overview (background, goal, detail)

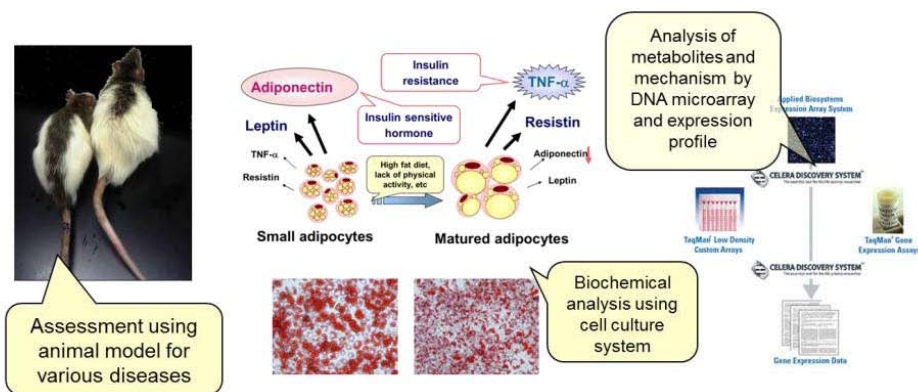
We investigate the relationship between food and mechanism of the life style related diseases, such as hypertension, diabetes, obesity, and atherosclerosis by both in vivo and in vitro using biochemical and molecular biological approach.

■ Process, case study

- 1) Studies on the anti-obesity effect of resveratrol and its derivatives.
- 2) Biological function of polyunsaturated fatty acid.
- 3) Studies on the food function and inhibit of melanogenesis

■ Potential (applications, future goals)

We investigate the relationship between food and mechanism of the life style related diseases, such as hypertension, diabetes, obesity, and atherosclerosis by both in vivo and in vitro using biochemical and molecular biological approach.



Intellectual properties (Patents, computer programs), productization, publications and social/industrial contributions

PTC/JP2005/006733 Adiponectin inducer  
Product development of "Hakko Gettou" supplement

Potential of social/industrial contribution

■ Joint research