About the IHLI

The Institute for Human Life Innovation (IHLI) is organized by the academic faculty at Ochanomizu University, who specialize in the biological sciences and human life sciences. It was founded in April 2016, aimed at research and development for people to live healthy lives, as well as innovation for a safe and secure social environment.

To address social issues facing an aging society with fewer children, the IHLI has the following goals:

1. Fostering healthy, vibrant, and active children
2. Improvement of QOL throughout life and elongation of a healthy life-span
3. Achievement of healthy longevity with maintained QOL

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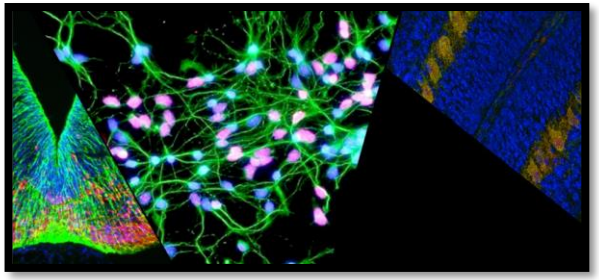
Ochanomizu University

Institute for Human Life Innovation



Innovation for a healthy and active life

—Research and development of the Institute for Human Life Innovation—

http://www-w.cf.ocha.ac.jp/ihli/

Organization & Research content

The Institute for Human Life Innovation consists of the "Biochemistry and metabolomics division", "Nutritional science division", "Food science division", "Glycoscience division", "Genetics division" and "Development and evolution division". It promotes research focusing on the following keywords.

○Healthy growth

Fostering healthy, vibrant, and active children

For the young generation supporting the future of our country to grow healthier, the IHLI promotes research to propose dietary habits for the healthy mental and physical growth of children.

○Active daily life

Improvement of QOL and maintenance of health

To make mental and physical health withstand stress and diseases throughout life, the IHLI promotes research and development for prevention and improvement of inflammation, infection and metabolic syndrome. The IHLI produces education programs for various generations from adolescence to child rearing.

○Healthier senior citizens

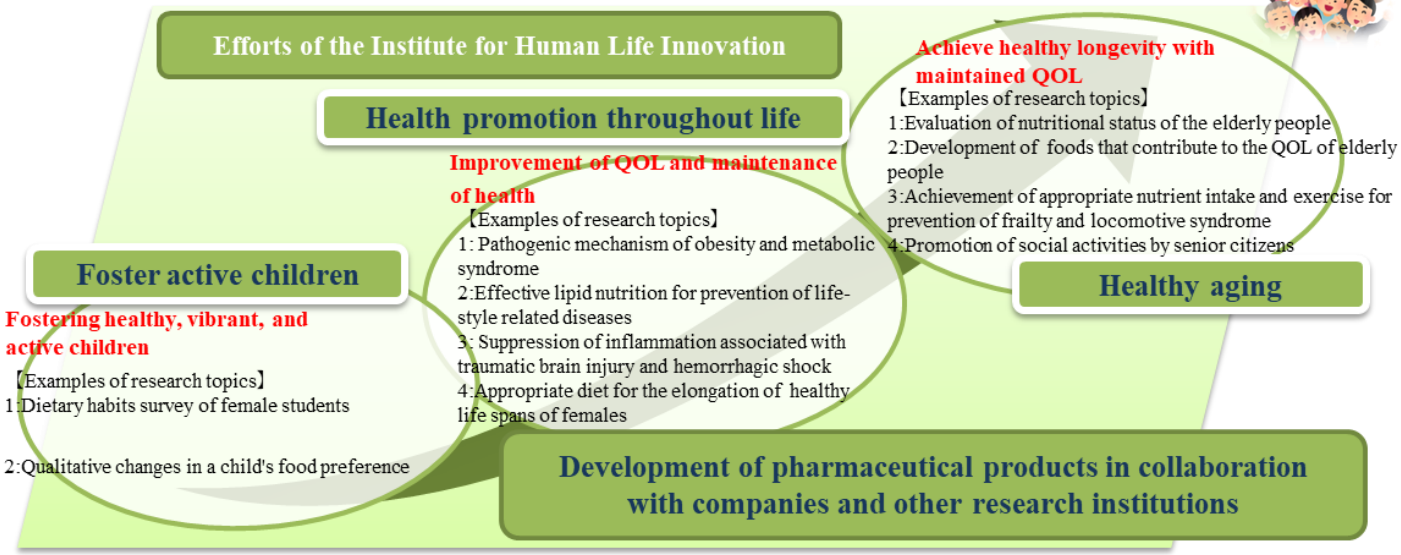
Achieve healthy longevity with maintained QOL

To increase self-management skills of senior citizens, the IHLI supports the development of medical treatment for locomotive syndrome and neurodegenerative disease, and promotion for appropriate diet and exercise for senior citizens.

○Application and development

Development of pharmaceutical products in collaboration with companies and other research institutions

For a healthy and active life, the IHLI collaborates with companies and promotes the research and development of "Pharmaceutical products for osteoarthritis", "Suppression of inflammation associated with traumatic brain injury and hemorrhagic shock", and "Prevention of life-style related diseases and development of foods that contribute to QOL of elderly people".



The effects of our research results

○ Basic understanding of biological phenomena, creation of novel regulatory strategies and elucidation for biological activities. (Scientific effects)
○ Promotion of healthy-longevity through research and development on measures to overcome stress, lifestyle related diseases and aging. Healthy growth of children, improvement of QOL, and fruition of active life for the elderly. (Social effects)

People

Director
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Faculty
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Tomoko Ishikawa (Nutritional chemistry)
Mari Gotoh (Lipid biochemistry)
Kimie Date (Glycoscience)

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Rie Akamatsu (Nutrition Education)
Kaoruko Iida (Lifestyle medicine)
Haruko Ogawa (Glycoscience)
Midori Kasai (Cookery science)
Misako Kato (Plant physiology)
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Kazuyoshi Chiba (Molecular and developmental biology)
Masayuki Hatta (Biology of the Coral)
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Hidehiko Miyake (Clinical genetics)
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Yasujiro Morimitsu (Functional foods and food chemistry)
Kei Yura (Computational biology)
Rumi Kondo (Population genetics)
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