

2011 DIJF Research Grant Winners

Yoshitaka Hayashi, MD, PhD

Institution: Department of Genetics, Research Institute of Environmental Medicine,
Nagoya University

Title: Mechanism of sensing intra-intestinal environments by entero-endocrine cells

Kei Sonoyama, PhD

Institution: Research Faculty of Agriculture, Hokkaido University

Title: Cellular and molecular bases for development of probiotics that prevent obesity
and metabolic syndrome

Masao Goto, PhD

Institution: Functional Food Factor Laboratory, Food Function Division, National Food
Research Institute, National Agriculture and Food Research Organization

Title: The estimation of the effects of maternal food allergen exposure during prenatal
and lactation period on food allergy development of offsprings

Hiroshi Kawasaki, MD, PhD

Institution: The University of Tokyo Graduate School of Medicine

Title: The effects of birth conditions on the development of cerebral cortex in mouse
neonates

Hiroshi Iwakura, MD, PhD

Institution: Translational Research Center Kyoto University Hospital

Title: Effects of nutrients on the regulation of orexigenic peptide ghrelin

Akiko Shiratsuchi, PhD

Institution: Graduate School of Medicine, Kanazawa University

Title: Global gene expression analysis of *Escherichia coli* for surviving and growing in
the host intestine during oral infection