

General Information

Dates Wednesday, 14th - Friday, 16th, June, 2017

Venue Nagoya Congress center
1-1 Atsuta-nishimachi, Atsuta-ku, Nagoya 456-0036
<http://www.nagoya-congress-center.jp/english/>

President

Prof. Kaoru Sakurai (Tokyo Dental College)

Preparation Chairman

Dr. Yasunori Sumi (National Center for Geriatrics and Gerontology)

Executive Committee Chairman

Dr. Takayuki Ueda (Tokyo Dental College)

Conference Secretariat

Japan Convention Services, Inc.
3-6-35, Nagoya Yesen Bldg, Nishiki, Nakaku, Nagoya 460-0003, Japan
E-mail: gero28@convention.co.jp

Admission Fee

JPY 10,000 per Person (member/ pre-registration)
/ JPY 12,000 per Person (member/ on site)

Pre-registration is available until 28th April.

Joint Conference

The 30th Annual Meeting of the Japan Gerontological Society

<President> Shin-ichi Ohshima (The National Center for Geriatrics and Gerontology)

The 59th Annual Meeting of the Japan Geriatrics Society

<President> Kenji Toba (The National Center for Geriatrics and Gerontology)

The 59th Annual Meeting of Japan Socio-Gerontological Society

<President> Takao Suzuki (J. F. Oberlin University)

The 40th Annual Meeting of Japan Society for Biomedical Gerontology

<President> Mitsuo Maruyama (The National Center for Geriatrics and Gerontology)

The 32nd Annual Meeting of Japanese Psychogeriatric Society

<President> Toshifumi Kishimoto (Nara Medical University)

The 16th Annual Meeting of Japan Society of Care Management

<President> Hidetoshi Endo (The National Center for Geriatrics and Gerontology)

The 22nd Annual Meeting of Japan Academy of Gerontological Nursing

<President> Mizue Suzuki (Hamamatsu University School of Medicine)

International Session

Special Lecture

Shirotori Hall North, 14:40-15:40, Thursday, 15th, June, 2017

“Personalized Aging: using genomics and technology to optimize healthy aging – implications for oral health”

Speaker:

Pinchas Cohen M.D.

Dean, USC Leonard Davis School of Gerontology

Executive Director, Ethel Percy Andrus Gerontology Center

University of Southern California

Host:

Kaoru Sakurai, D.D.S., Ph.D.

President/ Japanese Society of Gerodontology

Professor/ Department of Removable Prosthodontics & Gerodontology, Tokyo

Dental College

Abstract

The concept of taking individual characteristics into account when identifying risks to and providing recommendations for longevity is what I've termed "personalized aging." And, as we try to ensure that further growth in our average lifespan is made up of years spent in good health versus disability, this idea's potential impact is enormous.

In recent years, the phenomenal advances made in genomics research, coupled with the increased application of high-performance computing to the analysis of large health data sets, have transported this idea of precisely tailored health recommendations from the realm of science fiction to a likely next step in the progression of the medical field.

The science of genomics has undergone a massive increase in applicability and accessibility in a relatively short amount of time. What started with the discovery of gene mutations tied to specific rare diseases is now enabling physicians to determine which treatments for common age-related illnesses—from diabetes to cancer—will be most effective based on the patient's genome. Over the same period, the cost of genetic sequencing has gone from several million dollars per individual genome to a few hundred dollars and, for those determining their genetic makeup from the comfort of home, sending a vial of saliva through the mail.

In this time of incredible opportunity, our goal now is to gain support for and conduct large genome-wide association studies and powerful computing techniques, sift through millions of genetic variants, and identify those that determine responsiveness to diets, exercise, supplements, preventive therapies, and more. This information can then be used to recommend optimal interventions on an individual basis.

For instance, the emerging discipline of "nutrigenomics," or the study of how our diet interacts with our genes and affects gene expression, is an especially promising facet of the field. As scientists, including several here at the USC Leonard Davis School of Gerontology, uncover links between specific diets and resistance to aging's maladies, there still isn't one perfect diet for everybody. Instead, the benefits of specific dietary variations—from low-protein to low-carb to veganism to periodic fasting to Mediterranean and everything in between—appear to vary based on genotype.

Providing personalized guidance based on genomics could make a huge difference in both our society's perception of aging and the huge costs of age-related disease that we collectively bear. A physically active person who finds themselves at increased risk for cardiovascular disease could adopt a diet that precisely addresses both their heart health and energy needs, delaying a heart attack or stroke for years. Someone facing a high likelihood of osteoporosis would have an incentive to start weight-bearing and balance-improving exercises early to prevent a catastrophic fall and long hospital stay. Someone with a genetic susceptibility to Alzheimer's disease could start preventive brain training exercises, as well as a Mediterranean diet and physical exercise allowing

themselves to remain at home and independent for a longer portion of their golden years.

Conversely, multiple SNPs have been identified that are relevant to the dental field. These have been discovered from GWAS studies conducted on subjects with oral cancers, dental carries, periodontal disease, and periodontitis. Recognizing these genetic variants to identify “at-risk-individuals” and develop targeted prevention strategies should be at the forefront of dental research.

Biography

Dr. Cohen is the Dean of the Leonard Davis School of Gerontology at the University of Southern California and Executive Director of the Andrus Gerontology Center at USC. He graduated with highest honors from the Technion Medical School in Israel, trained in Pediatrics and Endocrinology at Stanford University, and held faculty positions at the University of Pennsylvania, and UCLA where he was Chief of Pediatric Endocrinology, Vice Chair for Research, and the Director of the Diabetes Research Center. He received numerous awards for his research, including an NIA “EUREKA” Award and the Transformative RO1-Grant from the Director of the National Institutes of Health. He is also a recipient of awards from the Glenn Foundation for Aging Research, the American Diabetes Association, and the Prostate Cancer Foundation. He published over 300 papers and has an h-factor of 77. Dr. Cohen pioneered the emerging science of mitochondrial-derived peptides. He holds several patents for these novel hormones and is a co-founder (and Director) of CohBar, a biotechnology company developing treatments for diseases of aging, that is traded at the Toronto Venture Exchange. He serves on the boards of several professional journals and societies, including the American Society of Aging, the Milken Institute Center for the Future of Aging, and was president of the Growth Hormone Research Society. Dr. Cohen is leading several new initiatives at the USC Davis School, including the development of a Center for Digital Aging, and a major focus on the creation of tools for “Personalized Aging”, an approach he has been spearheading for the purpose of garnering the latest technologies such as genomics, towards individualizing healthy-aging strategies, that has been featured in the Milken Global Conference and in the Bloomberg Longevity Economy Conference. Dr. Cohen lives in Santa Monica with his wife and two teenage kids.

Symposium #1

Shirotori Hall North, 15:40-17:00, Thursday, 15th, June, 2017

**Cosmetic Therapy: Supportive Approach to Functional
and Apparent Changes due to Aging and Dementia**

Speakers:

I. Reiko Kazuki, Ph.D.

Chief Director/ The Association for Face, Mind and Body
President and CEO/ KAZKI REIKO LIMITED

II. Keiko Nozawa, Ph.D., Clinical Psychologist

Center Chief/ National Cancer Center Hospital Appearance Support Center

III. Yasunori Sumi, D.D.S., Ph.D.

Director/ Center of Advanced Medicine for Dental and Oral Diseases, National
Center for Geriatrics and Gerontology

Special Commentators:

I. Pinchas Cohen M.D.

Dean, USC Leonard Davis School of Gerontology
Executive Director, Ethel Percy Andrus Gerontology Center
University of Southern California

II. Li Min Lin, DDS, MS, Ph.D, MinD

Professor Emeritus/ Oral pathology and radiology department, College of Dental
Medicine, School of Dentistry, Kaohsiung Medical University
President/ Taiwan Academy of Geriatric Dentistry

Hosts:

I. Sayaka Tada, D.D.S, Ph.D

Assistant Professor/ Department of Oral Health Science, Graduate School of
Medical and Dental Science, Niigata University

II. Naoki Kobayashi, D.D.S, Ph.D.

Director/Department of Dentistry, Mannari Hospital

Abstract

Dentofacial changes due to the aging can negatively impact on self-confidence, lead to insecurity during social activity and result in avoidance of social contacts. Social isolation among older adults is now a growing concern of the aging societies because it could lead to poor motivation in their life or physical and cognitive impairment. The worst-case scenario is that those who are isolated from a community, even if they need any medical support, would be dead alone until long afterward. We, from the gerodontology, could very possibly offer a glimmer of hope to break this sad situation. In this symposium, three of specialists active in the area of cosmetic therapy or appearance support will thankfully speak on their dedicated efforts focusing on “social recovery support”. The aims of this symposium are to develop the understanding of dentofacial changes due to the aging and the following psychological problems and to learn its effective support. Active discussion for future prospects in terms of interprofessional collaboration are also expected.

Topics:

- I. Importance of Personal Appearance in an Aging Society from the Standpoint of Rehabilitation Makeup (Reiko Kazki)

- II. Appearance Support for Physical Changes from Cancer Treatment (Keiko Nozawa)

- III. Effect of Cosmetic Therapy on Oral Function, Cognitive Function and QOL in Dependent Elderly (Yasunori Sumi)

Gala Dinner (Optional)

Dates 19:00-21:00 Thursday 15th, June, 2017

Venue ANA CROWNE PLAZA Hotel Grand Court NAGOYA
1-1-1 Kanayama-cho, Naka-ku, Nagoya 460-0023 Japan
Tel. +81 52 683 4111 Fax. +81 52 683 4121
<http://www.anacrowneplaza-nagoya.jp/english/>

Fee JPY 8,000 per Person (pre-registration) / JPY 10,000 per Person (on site)