

Schedule Table

	27th Oct. (Tue.)	28th Oct. (Wed.)	29th Oct. (Thu.)	30th Oct. (Fri.)
9:00-9:15		Opening Ceremony		
9:15-9:30		Session 1	Session 4	Session 7
9:30-10:00				
10:00-10:30				
10:30-11:00				
11:00-11:30				
11:30-11:45			IAPA General Assembly	
11:45-12:00		Lunch (11:30-13:00)	Lunch (11:45-13:00)	Lunch (11:30-13:00)
12:00-12:30	Registration			
12:30-13:00				
13:00-13:30	Young Researcher's Meeting	Session 2	Session 5	Session 8
13:30-14:00				
14:00-14:30				
14:30-15:00		Coffee Break & Poster Session 1	Coffee Break & Poster Session 2	Coffee Break & Poster Session 3
15:00-15:30				
15:30-16:00		Special Lecture (Prof. Zeki)	Session 6	Session 9
16:00-16:30	Honorable Lecture	Session 3		
16:30-17:00				
17:00-17:30				Closing Ceremony
17:30-18:00			Award Ceremony	Night Excursion
18:00-18:30				
18:30-19:00	Welcome Reception		Congress Banquet	
19:00-19:30				
19:30-20:00				
20:00-20:30				

Session 1: Human Variation in Environmental Adaptation

Session 2: Anthropology for Biological Locomotion

Session 3: Adaptability and Human Brain Function

Session 4: Human Phenotype and Genetic Variation

Session 5: Human Nutrition

Session 6: Adaptability to Lighting Environment

Session 7: Adaptability to Cold Environment

Session 8: Methodological Study of Circulation

Session 9: Techno-Adaptability to Modern Society

Award Ceremony: The 2nd International Tokizane Prize in Physiological Anthropology

Congress Schedule

Day 1 October 27th (Tue)

13:00—15:30 **Young Researcher's Meeting**

16:00—18:00 **Honorable Lecture**

Chairpersons: **Akira Yasukouchi** (Kyushu University, Japan), **Yuko Tsunetsugu** (Forestry and Forest Products Research Institute, Tsukuba, Japan)

Hans W. Jürgens (Kiel University, Germany)

Physiological Anthropology for Worldwide Design of Human Environments

Pavao Rudan (Croatian Academy of Sciences and Arts, Croatia) Spectemur Agendo -We are Well Known for our Activities in the Framework of Physiological Anthropology

C. G. Nicholas Mascie-Taylor (University of Cambridge, UK)

Human-Environmental Interactions – the Double Burden of Malnutrition

18:30—20:30 **Welcome Reception**

Day 2 October 28th (Wed)

09:00—09:15 **Opening Ceremony**

09:15—11:30 **Session 1: Human Variation in Environmental Adaptation**

Chairpersons: **Akira Yasukouchi** (Kyushu University, Japan), **Yuko Tsunetsugu** (Forestry and Forest Products Research Institute, Tsukuba, Japan)

S1-1. Saša Missoni (Institute for Anthropological Research, Croatia)

Conducting Research about Human Microevolution: the Example of Croatian Islands
Birth Cohort Study

S1-2. Douglas E. Crews (Ohio State University, USA)

Apolipoprotein E and Angiotensin Converting Enzyme Genotypes are Associated with
Allostatic Load among American Samoans

(Coffee Break 10:15-10:30)

S1-3. Elena Z. Godina (Lomonosov Moscow State University, Russia)

Association Between BsmI-Polymorphism of the VDR Gene and Morphological
Characteristics in Highly Qualified Rock-Climbers

S1-4. Yumi Fukuda (Fukuoka Women's University)

Light-Dark Cycle Induces Circadian Rhythms of Diet-Induced Thermogenesis

11:30—13:00 **Lunch**

13:00—14:30 **Session 2: Anthropology for Biological Locomotion**

Chairperson: **Yoshiyuki Fukuoka** (Doshisha University, Japan)

S2-1. Herman Pontzer (Hunter College of the City University of New York, USA)

Locomotion in Humans and Other Primates: Endurance, Efficiency, and Evolution

S2-2. Satoshi Muraki (Kyushu University, Japan)

Aging-related changes in gait and proportion of leg muscles among elderly Japanese subjects

S2-3. Masahiro Horiuchi (Mt. Fuji Research Institute, Japan)

Energy Cost of Walking and the Economical Speed during Walking under Hypoxic Conditions

S2-4. Daijiro Abe (Kyushu Sangyo University, Japan)

Biological Benefits of Human Bipedal Locomotion

14:30—15:30 **Poster Session 1 (P1-01 - P1-33)**

15:30—16:30 **Special Lecture**

Chairperson: **Yoshiaki Kikuchi** (Tokyo Metropolitan University, Japan)

Semir Zeki (University College London, UK)

The Experience of Beauty and its Biological Significance

16:30—18:00 **Session 3: Adaptability and Human Brain Function**

Chairpersons: **Shigekazu Higuchi** (Kyushu University, Japan), **Sung-Phil Kim** (Ulsan National Institute of Science and Technology, Korea)

S3-1. Hideaki Kawabata (Keio University, Japan)

Transcranial Direct Current Stimulation (tDCS) Shapes Subjective Experience of Beauty and Aesthetic Preference

S3-2. Kentaro Oba (Tohoku University, Japan)

Yearning for Yesterday: Neural Substrates of Nostalgia

S3-3. Yuki Motomura (National Center of Neurology and Psychiatry, Japan)

Environment of Modern Society and Human Empathic Function

S3-4. Damee Choi (Kyushu University, Japan)

Oxytocin Receptor Genetic Variation Modulates Brain Activity and Personality

Day 3 October 29th (Thu)

09:00—11:30 Session 4: Human Phenotype and Genetic Variation

Chairpersons: **Susumu Kudo** (Kyushu University, Japan), **Fook Tim Chew** (National University of Singapore, Singapore)

S4-1. **Yee How Say** (Universiti Tunku Abdul Rahman, Malaysia)

Association of Genetic Variations with Obesity and Related Traits among Malaysians

S4-2. **Fook Tim Chew** (National University of Singapore, Singapore)

Genetic of a Complex Disease: Atopic Dermatitis

(Coffee Break 10:00-10:15)

S4-3. **Kazuhiro Nakayama** (Jichi Medical University, Japan)

Identification of Genetic variants for Visceral Fat Accumulation in Japanese

S4-4. **Yoshiki Yasukochi** (The University of Tokyo, Japan)

Molecular Evolution of Human Drug-metabolic Enzymes, CYP2D Subfamily

S4-5. **Gregory Livshits** (Tel Aviv University, Israel)

Genomic and Metabolomics Investigation of Chronic Widespread Pain Syndrome in General Human Population

11:30—11:45 IAPA General Assembly

11:45—13:00 Lunch

13:00—14:30 Session 5: Human Nutrition

Chairpersons: **Harunobu Nakamura** (Kobe University, Japan)

S5-1. **Alan C. Logan** (International Society for Nutritional Psychiatry Research, USA)

Traditional Diets, Microbial Ecology and Mental Health

S5-2. **Taro Yamauchi** (Hokkaido University, Japan)

Body Growth and Life History of Modern Humans and Neanderthals from the Perspective of Human Evolution

S5-3. **Nami Aso-Someya** (Chiba Prefectural University of Health Sciences, Japan)

Salty Taste Recognition Threshold and Sweet Taste Enhancement by NaCl are Affected by Seasons

14:30—15:30 Poster Session 2 (P2-01 – P2-32)

15:30—17:30 Session 6: Adaptability to Lighting Environment

Chairpersons: **Hidenobu Ohta** (National Center of Neurology and Psychiatry, Japan), **Claude**

Gronfier (French Institute of Health and Medical Research, France)

S6-1. Claude Gronfier (French Institute of Health and Medical Research, France)

Non-Visual Effects of Light: Implications for Human Health

S6-2. Hidenobu Ohta (National Center of Neurology and Psychiatry, Japan)

Lighting Conditions and Developing Human Biological Clocks

S6-3. Shigekazu Higuchi (Kyushu University, Japan)

Effects of Light at Night on Melatonin Suppression and Circadian Phase in Children

S6-4. Kazue Okamoto-Mizuno (Tohoku Fukushi University, Japan)

Effects of a Simulated Shelter in a Gymnasium on Sleep in Children

17:30—18:00 **Award Ceremony of the International Tokizane Prize in Physiological Anthropology**

18:30—20:30 **Congress Banquet**

Day 4 October 30th (Fri)

09:00—11:30 **Session 7: Adaptability to Cold Environment**

Chairpersons: **Takafumi Maeda** (Kyushu University, Japan), **Hitoshi Wakabayashi** (Chiba Institute of Technology, Japan)

S7-1. Tiina M. Ikäheimo (University of Oulu, Finland)

Individual Responses to Cold and Adaptation

S7-2. Hitoshi Wakabayashi (Chiba Institute of Technology, Japan)

Physical Performance in Cold Environment and Adaptation after Repeated Cold Exposure
(Coffee Break 10:00-10:15)

S7-3. Joo-Young Lee (Seoul National University, Korea)

Korean Women Divers, Haenyeo, Revisited: Cold Tolerance and Ageing

S7-4. Takafumi Maeda (Kyushu University, Japan)

Phenotype of Cold-Induced Thermogenic Responses

11:45—13:00 **Lunch**

13:00—14:30 **Session 8: Methodological Study of Circulation**

Chairpersons: **Junichiro Hayano** (Nagoya City University, Japan), **J. Andrew Taylor** (Harvard Medical School, USA)

S8-1. Can Ozan Tan (Harvard Medical School, USA)

Physiology of Cerebral Autoregulation in Health and Disease: Insights from Integrative

and Computational Approaches

S8-2. J. Andrew Taylor (Harvard Medical School, USA)

On the Judicious Use of Cardiovascular Variabilities as Autonomic Measures

S8-3. Junichiro Hayano (Nagoya City University, Japan)

Health and Responsiveness: Understanding of Heart Rate Variability by Allostasis Theory

14:30—15:30 **Poster Session 3 (P3-01 – P3-30)**

15:30—17:00 **Session 9: Techno-Adaptability to Modern Society**

Chairpersons: **Hajime Harada** (Tohoku Institute of Technology, Japan), **Yoshihiro**

Shimomura (Chiba University, Japan)

S9-1. Hisato Ohno (Railway Technical Research Institute, Japan)

Study on the Layout of Tactile Walking Surface Indicators at the Bottom of Staircases

S9-2. Oh-Sang Kwon (Ulsan National Institute of Science and Technology, Korea)

Adaptation to Artificial and Natural Environment in Visual Motion Perception

S9-3. Sung-Phil Kim (Ulsan National Institute of Science and Technology, Korea)

Co-adaptation between Brain Activity and LED Lights

17:00—17:30 **Closing Ceremony**

17:30— **Night Excursion**

Poster Session 1 (28th Oct., Wed., 14:30-15:30)

- P1-01** Dissimilarity in Periodic Fluctuation and Seasonal Variation in Physical Growth - Analysis Based on Longitudinal Growth Data in Elementary School -
Hikaru Tanaka, (Ryutsu Keizai University, Japan)
- P1-02** Confirmation Regarding Body Composition Balance Based on Morphological Quality Differences in Art University Students
Kentarō Hayakawa (Aichi Institute of Technology, Japan)
- P1-03** Physical Fitness in Junior High School Boys with Different Levels of Fat Accumulation and Body Mass Index
Nozomi Tanaka (Tokai Gakuen University, Japan)
- P1-04** Confirmation Regarding Evaluation Construction of Fatty-Slim Judgment Based on Change of BMI with Age
Katsunori Fujii (Aichi Institute of Technology, Japan)
- P1-05** Validity of Fat Percentage Evaluation for Fat-Thin Judgment Derived from Standard Weight in Preschool Children
Yuki Kani (Aichi Institute of Technology, Japan)
- P1-06** The Relationships among Physical Characteristics, Lifestyle and Health Status in Female Nursing Students
Ryodai Yamamura (Hokkaido University, Japan)
- P1-07** Effects of Seat Surface Inclination on Respiration during Speech Production in Children with Spastic Cerebral Palsy
Hwa-Kyung Shin (Catholic University of Daegu, Republic of Korea)
- P1-08** Activity Style of Muscles to Control Small Force with a Fingertip
Megumi Shimura (Chiba University, Japan)
- P1-09** Annual Trends in University Students' Physique and Physical Strength seen from the Effects of the Great East Japan Earthquake
Takuya Watanabe (The University of Aizu, Japan)
- P1-10** Change in the Walking Performance and EMG Activities during Dual Task Walking
Takashi Kamimura (Tokyo University of Social Welfare, Japan)
- P1-11** Human Variation as a Principal Factor for Ergonomic Design
Kathrin Gransitzki (Kiel University, Germany)
- P1-12** Validity and Practicality of Fall-risk Assessment Tools for Community-dwelling Older People
Taekyoung Kim (Ulsan National Institute of Science and Technology, Republic of Korea)
- P1-13** Postural Modulation by Upper Limb Prosthesis Use
Shu Imaizumi (Chiba University, Japan)
- P1-14** The Relationship between the Biomechanics of Walking and the Cross-Sectional Area of the Lower Limb Muscles in Independent Elderly
Hiroki Nakashima (Kyushu University, Japan)
- P1-15** Effects of Lower Body Negative Pressure on Auditory Brainstem Response and Event-Related Potential

Hisao Yoshida (Chiba University, Japan)

- P1-16** Sad Facial Expression Recognition in Individual with Depression: an Eye Tracking Study
Jin-Hun Sohn (Chungnam National University, Republic of Korea)
- P1-17** Effects of Imitating Experience on Brain Activities while Observing Images with Implied Motions
Yuki Nishimura (Kyushu University, Japan)
- P1-18** Greater Activation in the Brain While Seeing Sexual Stimuli in Males with Major Depression
E-Nae Cheong (Chungnam National University, Republic of Korea)
- P1-19** Association between Empathy Trait and Attention to Detection of Gaze Direction
Fumi Kishida (Kyushu University, Japan)
- P1-20** Event-Related Brain Responses to Beautiful Walking Posture
Sayuri Hayashi (Kyushu University, Japan)
- P1-21** Relationship Between Personality Traits and Psychophysiological Responses to Moral Related Words
Makoto Hayase (Chiba University, Japan)
- P1-22** Feasibility of a Developed Reaction Time Test APP for Assessing Cognitive Function and Associated Fall Risks in the Elderly
Woojoo Kim (Ulsan National Institute of Science and Technology, Republic of Korea)
- P1-23** Relationship of Exercise Habit to Circadian Typology, Sleep Habit and Mental Health of University and Medical Training School Students Aged 18-40 yrs
Fujiko Tsuji (Kochi University, Japan)
- P1-24** Comparison of Sleep Habits and Chronotype between Japanese and Chinese University Students
Yichi Zhang (Kyushu University, Japan)
- P1-25** Light-induced Melatonin Suppression on Different Flicker Frequency of the Light
Tomoaki Kozaki (Kyushu University, Japan)
- P1-26** Effects of White Light Spectral Distribution on Psychophysiological States during Working Task; Comparison by the Exposure Time
Hiroko Sawai (Kyoto Institute of Technology, Japan)
- P1-27** The Cross Adaptation of Low Temperature in Ventilatory Responses on Exposure of Hypoxia in Humans
Yoshiyuki Fukuoka (Doshisha University, Japan)
- P1-28** Thermoregulatory Behavior of Young Males with Self-Identified Cold or Heat Tolerance
Dami Kim (Seoul National University, Republic of Korea)
- P1-29** Insensible Body Mass Loss, Self-Identified Thermal Sensitivity and Anthropometric Characteristics of Young Males
Dahee Jung (Seoul National University, Republic of Korea)
- P1-30** Seasonal Difference on Cold-induced Vasodilation of Bangladeshi Indigenes
Aklima Khatun (Nagasaki University, Japan)
- P1-31** The Effect of Regular Exercise on Thermal Sensation in Cold-induced Vasodilation
Sakura Ashikaga (Nagasaki University, Japan)
- P1-32** A Pilot Study of the Effect of Pressure Applied Under Bust on Sweat Rate under Conditions of Sweat

Acceleration by a Footbath

Tamaki Mitsuno (Shinshu University, Japan)

P1-33 The Effect of Correction Factors for Evaporative Resistance and Thermal Insulation on Predicted Heat Strain

Satoru Ueno (National Institute of Occupational Safety and Health, Japan)

Poster Session 2 (29th Oct., Thu., 14:30-15:30)

P2-01 Differences by Body Part and Age in Compressive Deformation of Body Surface and Fat Thickness in Adult Females

Naomi Maruta (Kyoritsu Women's University, Japan)

P2-02 The Association between Cognitive Function and Eating Behaviour in University Students

Katsumasa Momoi (Kobe University, Japan)

P2-03 Anti-stress Effects of Short-term Fasting in Japanese Female Students

Kumiko Ohara (Kobe University, Japan)

P2-04 Physiological Effects of Olfactory Stimulation with Hinoki Cypress (*Chamaecyparis obtusa*) Leaf Oil

Harumi Ikei (Chiba University, Japan)

P2-05 Physiological Effects of Walking in Urban Parks during Fall Season on Young Males

Chorong Song (Chiba University, Japan)

P2-06 Physiological and Psychological Effects of Walking and Sedentary Viewing of Landscapes Depicting Various Natural Environments on Humans

Takeshi Morikawa (Forestry and Forest Products Research Institute, Japan)

P2-07 Effects of an Exercise Program with Stretching on Salivary Biomarkers in Japanese Elderly

Fuko Matsumoto (Kyoto Women's University, Japan)

P2-08 Gender Differences in the Effects of Contraction Intensity on Surface Electromyograms, Mechanomyograms and Muscle Hemodynamics

Chikako Yoshino (Chiba Prefectural University of Health Sciences, Japan)

P2-09 Effects of Frequency and Load of Dumbbell Curl on the Biceps Brachii Muscle Activity

Xiaodong Wang (Harbin University of Science and Technology, China)

P2-10 The Correlation between Bilateral Anthropometry Discrepancy and Asymmetrical Locomotion during Walking on a Treadmill

Kadek Heri Sanjaya (Indonesian Institute of Sciences, Indonesia)

P2-11 Effect of Thoracic Cage and Superior Posterior Iliac Spine Support on Respiratory Metabolism during Wheelchairs' Driving

Itsuki Nagato (Aomori University of Health and Welfare, Japan)

P2-12 The Effects of the Adjusting the Internal Trunk on Quiet Standing

Takayuki Yagi (SOKENDAI (The Graduate University for Advanced Studies), Japan)

P2-13 The Characteristics of the Strategy in Response to a Transient External Force in Elderly and Young Individuals

Naoto Okumura (Chiba University, Japan)

- P2-14** Development of Ergonomic Design for Hip Protector
Heeun Kim (Kyungpook National University, Republic of Korea)
- P2-15** Association between Oxytocin Receptor Gene Polymorphism and ERP Responses to reappraisal
Natsumi Minote (Kyushu University, Japan)
- P2-16** Associations between 5-HTTLPR Polymorphism and Brain Activity evoked by Reappraisal
Takahiro Sekiya (Kyushu University, Japan)
- P2-17** Testosterone and “Recalibrational Hypothesis” in Men
Javier I. Borráz-León (Universidad Nacional Autónoma de México, México)
- P2-18** The Difference in Cognitive Load between Onomatopoeias and Common Words
Yuka Egashira (Kyushu University, Japan)
- P2-19** Effects of Transcranial Direct-Current Stimulation to the Right Posterior Parietal Cortex on Temporal Discrimination Ability
Fuyuki Oyama (Chiba University, Japan)
- P2-20** Types of Encoding in Spatial Working Memory Modulate Prefrontal Activities in the Human Brain
Yuhei Oi (National Center of Neurology and Psychiatry, Japan)
- P2-21** Relation between Positive Emotional Contagion and Mirror System
Yuki Ikeda (Kyushu University, Japan)
- P2-22** Resting State Functional Connectivity in Sexual Addiction
Un-Jung Jang (Chungnam National University, Daejeon, Republic of Korea)
- P2-23** Blue LED Pulsed Light as a Mean to Increase Productivity
Carlos Alberto Chaveznava (Chiba University, Japan)
- P2-24** Effect of Two Types of Functional Underwear on Autonomic Nervous System during Exercise under Different Light Conditions in the Morning
Misaki Ross (Kyoto University, Japan)
- P2-25** Pupillary Constriction during Successive Irradiation of Blue- and Green-pulsed Lights
Soomin Lee, Japan
- P2-26** A Proposal to Simplify the Estimation of Characteristic Spectral Responses of Melanopsin to Light Wavelengths
Sang-il Lee (Kyushu University, Japan)
- P2-27** Disposable Heating Patch with Active Ingredient Induces Cold and Warm Sensation by Increase in Local Blood Flow in Human
Miki Hoshina (Hokkaido Medical-Sports College, Japan)
- P2-28** Efficacy of Newly-Developed Liquid Perfused Garment and Hood in Body Cooling: A pilot study
Sora Shin (Seoul National University, Korea)
- P2-29** Effects of Artificial Cold Carbonic Acid Bathing on Thermoregulation
Hisaho Nagano (Nagasaki University, Japan)
- P2-30** Relationship between Brown Adipose Tissue Activity and Subcutaneous Tissue Temperature of Supraclavicular Region during Mild Cold Exposure
Koji Kobayashi (Hokkaido University, Japan)

- P2-31** Diurnal Change in the Core Interthreshold Zone in the Case of Male Subjects
Naoshi Kakitsuba (Meijo University, Japan)
- P2-32** Cold-induced Vasodilatation Responses in the Finger during Contralateral Hand Immersion in Hot Water
Joonhee Park (Seoul National University, Republic of Korea)

Poster Session 3 (30th Oct., Fri., 14:30-15:30)

- P3-01** Life Styles and Body Composition in Elementary School Children in Japan
Harunobu Nakamura (Kobe University, Japan)
- P3-02** Human Core Science. New Research Field Bridging Anthropology and Life Science. Studying an Adaptation Mechanism of Intrinsically Unstable Cell and Body That Enables Bipedal Walking: A Key Cellular Protein for Dynamically Functional Shape, α B-crystallin, and Center of Gravity/ Body Core Control
Yoriko Atomi (Tokyo University of Agriculture and Technology, Japan)
- P3-03** Association between Allostatic Load and Activities of Daily Living in Older Japanese
Kosuke C. Yamada (Saga University, Japan)
- P3-04** Influences of Positive Emotion on Cardiovascular Responses to Mental Tasks
Xinxin Liu (National Institute of Occupational Safety and Health, Japan)
- P3-05** Development of Systems for Simultaneous Measuring and Analyzing Electrocardiogram and Electrogastrography using a System Development Software
Yoshimitsu Okita (Shizuoka University, Japan)
- P3-06** Evaluation Study on B2C Online Shop Webpage based on Eye-tracking
Jinghua Huang (Zhejiang University, China)
- P3-07** Effects of Adaptive Cruise Control System on Truck Driver
JingShi Huang (Chiba University, Japan)
- P3-08** Changes in Muscle Activities and Joint Movements in Lower Limbs during Repeated Reaching Training
Hiroshi Saito (Hokkaido University, Japan)
- P3-09** Differences between the Dominant and Non-dominant Hands in Finger Tapping Tasks
Tomoko Aoki (Prefectural University of Kumamoto, Japan)
- P3-10** Relationships of One Side Dominance among Head, Upper Limb and Lower Limb: A Multivariate Analysis
Akiyoshi Matsumura (National Defense Medical College, Japan)
- P3-11** A Potential New Use for Clothing to Improve Postural Control through Haptic Sensory Input
Kazushige Oshita (Kyushu Kyoritsu University, Japan)
- P3-12** Bilateral Differences of Human Body Motion Based on Load Trajectory Patterns and Switching Motion During Rotation Movements
Kyoko Takeuchi (Teikyo Heise University, Japan)
- P3-13** Development and Evaluation of Sport-typed Wheel-chair can Drive Straight on Ahead by One-handed

Operation

Akira Shionoya (Nagaoka University of Technology, Japan)

- P3-14** Relationship between the Sagittal Spinal Alignment and the Center of Pressure Deflection in the Tandem Stance in Community-dwelling Elderly People
Yahiko Takeuchi (Chiba Prefectural University of Health Sciences, Japan)
- P3-15** Bilateral Transcranial Direct Stimulation Modulates the Left-Right Contribution to Bimanual Cooperative Force Production
Takashi Endoh (Uekusa Gakuen University, Japan)
- P3-16** Brachial and Middle Cerebral Artery Blood Flow Responses to Sinusoidal Leg cycling Exercise
Yoshiyuki Fukuba (Prefectural University of Hiroshima, Japan)
- P3-17** Postural Effect on Dynamic Cardiovascular Responses to Sinusoidal Lower Body Negative Pressure
Keita Ishibashi (Chiba University, Japan)
- P3-18** Effect of Personality Characteristics on Cognitive Ability in Complex HMI
Xinqin Jin (Harbin University of Science and Technology, China)
- P3-19** The Relationship between 5-HTTLPR Gene Polymorphism and Event-related Potentials during Affective Picture Processing
Midori Motoi (Kyushu University, Japan)
- P3-20** VPS26A-SNX27 Interaction-dependent mGluR5 Recycling in Dorsal Horn Neurons Mediates Neuropathic Pain in Rats
Tzer-Bin Lin (Taipei Medical University, Taiwan)
- P3-21** Effects of Tactile and Olfactory Stimulation Using Wood in Children
Yuko Tsunetsugu (Forestry and Forest Products Research Institute, Japan)
- P3-22** Evaluation of Emotional Stress Response by Using Heart Rate Variability
Hiroko Toshima (Chiba Prefectural University of Health Science, Japan)
- P3-23** Physiological Responses and Balance Ability of Workers who are Exposed Different Temperature and Humidity
Su-Young Son (National Institute of Occupational Safety and Health, Japan)
- P3-24** The Research on Wearing Rate of Various Clothing in Winter
Akiko Maeda (Gunma University, Japan)
- P3-25** Practical Pre-cooling Methods Reduce Heat Strain while Wearing Protective Clothing
Ken Tokizawa (National Institute of Occupational Safety and Health, Japan)
- P3-26** The Influences of Chimney Effect and Pumping Effect on the Airflow Velocity in Clothing
Kazuhiko Yamasaki (Jissen Women's University, Japan)
- P3-27** Cutaneous Warm and Cool Sensation Thresholds in Elderly People
Nobuko Hashiguchi (Kyushu University, Japan)
- P3-28** Protective and Thermoregulatory Performance of Pesticide Protective Clothing: Thermal Manikin and Human Trials
Joo-Young LEE (Seoul National University, Republic of Korea)
- P3-29** Diurnal Change in the Core Interthreshold Zone in the Case of Female Subjects and its Gender

Difference

Naoshi Kakitsuba (Meijo University, Japan)

P3-30 Comparison of ρ_{\min} and HRV Responses to Head-up Tilt with Cold Pressor Test

Masaji Yamashita (Hokkaido University of Science, Japan)