Poster Session

1. Detection of Life-threatening Arrhythmias using a Multiple Regression Model
Makoto Abe, Tatsuo Kajita, Makoto Yoshizawa, Kazuo Shimizu, Moe Goto, Masashi Inagaki, Masaru Sugimachi, and Kenji Sunagawa

2. Collective Diffusion of Red Blood Cells from High Concentration to Low
Cheng-Hsi Chiang, Takui Ishikawa, Hironori Ueno, Keiko Numayama, Yosuke Imai, and Takami Yamaguchi

3. Quantifying Characteristics of Red Blood Cell at Dense Cellular Flow
Davod Alizadeh, Yosuke Imai, Takui Ishikawa, and Takami Yamaguchi

4. iCART: A Car Transportation System
Mutsu Endo, Kenji Hirose, Kazuhiro Kosuge, Yushiya Hirata, Koki Suzuki, and Takashi Karbayashi

5. Hydrodynamic Entrainment of Ciliates at the Interface Fluid-air
Jonathan Ferracci, Takui Ishikawa, Hironori Ueno, Keiko Numayama, Yosuke Imai, and Takami Yamaguchi

6. Selective Detection of Tau Neuropathology with Novel Fluorescent Probes
Ryuichi Harada, Nobuyuki Okamura, Shozo Furumoto, Takeo Yoshikawa, Yukiharu Kudo, and Kazuhiro Yanai

7. Role of Paxillin in the Morphological Changes and Redistribution of Focal Adhesions in Endothelial Cells Exposed to Cyclic Stretch
Wenjing Huang, Naoya Sakamoto, Ryotaro Miyazawa, and Masaaki Satō

8. Distribution of Traction force in Smooth Muscle Response to Myosin Light Chain Phosphorylation
Kazumi Ito and Masaaki Satō

9. Decentralized Coordinated Control of Multiple Mobile Robots for a Car Transportation System
Koshi Kashiyazaki, Kazuhiro Kosuge, Yasuhiro Hirata, and Yosuke Sugahara

10. High-Endurance SPRAM for Fully Implantable Retinal Prosthesis
Hiroshi Kino and Tetsu Tanaka

11. A Novel Assembly Task Partner Robot Based on Static Approach
Jun Kinugawa, Yasufumi Tanaka, Yuda Kawash, Yusuke Sugahara, and Kazuhiro Kosuge

12. Proteasomal Dysfunction and Muscle Regeneration
Yasuo Kitajima, Naoki Suzuki, Masashi Aoki, and Ryoichi Nagatomi

13. The Characteristic of Long Si Neural Probe with Simulation and Experiment
Sanghoon Lee, Sochiro Kanno, Yoshiko Yukita, and Tetsu Tanaka

14. Association between Cardio Ankle Vascular Index and Metabolic Syndrome in Middle-aged and Elderly Subjects
Hongjian Liu, Xumin Zhang, and Tomoyuki Yambe

15. The Regulatory Mechanism of BRCA1 and BARD1 after DNA Damage
Emiko Maseki, Manabu Shiono, Ayako Matsuzawa, Yumiko Furukawa, Shun Shibata, Hironori Mochiduki, Kei Kato, and Natsuko Chiba

16. A Novel BARD1-interacting Protein Regulates Centrosome
Ayako Matsuzawa, Shun Shibata, Hironori Mochiduki, Emiko Maseki, Yumiko Furukawa, Kei Kato, Manabu Shiono, and Natsuko Chiba

17. CT Imaging of Tumor by Silica-Coated Au Nanoparticle
Tomohiko Nakagawa, Kohsuke Gonda, Linaong Cong, Takashi Kamei, Yosuke Kobayashi, Hirojitsu Inose, Ryoko Nagasu, and Noriaki Ouichi

18. The Expression and Functions of Histamine H3 Receptor in Pancreatic β-cells
Tadahiro Nakamura, Takeo Yoshikawa, and Kazuhiro Yanai
19. Change of the HER3 Expression Pattern between Primary Breast Cancer and Corresponding Lymph Node Metastases  
Nobuchika Niizuma, Kohsuke Gonda, Hiroshi Tada, Noriko Nemoto, Takashi Kamei, and Noriaki Ohuchi

20. Effect of Constitutive Law on the Lateral Migration of a Capsule Near a Wall  
Stephanie Nix, Yohsuke Imai, Daiki Matsunaga, Takuji Ishikawa, and Takami Yamaguchi

21. Study on an Evaluation Method for Contact Stimulus during Walking Movements  
Takuya Nomata, Takeshi Okuyama, and Mami Tanaka

22. Development of SiC Optical Waveguide on Si Neural Probe for Multiple Optical Stimulations of Neurons  
Akihiro Noriki and Tetsu Tanaka

23. Fabrication Process Development in Three Dimensional Retinal Prosthesis Chip for Subretinal Stimulation  
Yuki Ohara, Yoshitomo Watanabe, and Tetsu Tanaka

24. Rheology of a Dilute Suspension of Red Blood Cells in Simple Shear Flow  
Toshihiro Omori, Takuji Ishikawa, Yohsuke Imai, and Takami Yamaguchi

25. Novel Concept of Therapeutic Array Transducer Element using Coresonance between Hemispherical Piezoceramic Shell and Water Sphere  
Kenji Otsu, Shin Yoshizawa, and Shin-ichiro Umemura

26. Time Response Properties on Deformation Velocity for a Soft Curvature Sensor  
Manabu Otsuki, Takeshi Okuyama, and Mami Tanaka

27. ERK Affects Assembly of Actin Filaments in Macrophages under Cyclic Stretch and Hypoxic Conditions  
Koki Oya, Naoya Sakamoto, and Masaaki Sato

28. Micro-Tensile Tester for Probing Biomechanical Properties of Isolated Cytoskeletal Bundles  
Tsubasa S. Matsui, Shinji Deguchi, and Masaaki Sato

29. Motion Control of Passive Mobile Robot Consisting of Multiple Wheels with Servo Brakes  
Masao Saida, Yasuhisa Hirata, and Kazuhiro Kosuge

30. Relationship of Histological Change to Acoustic Properties of Thermally Denaturated Biological Tissues  
Takashi Shishitani, Shin Yoshizawa, and Shin-ichiro Umemura

31. To Excite the Inhibition of Response Initiation: Repetitive Transcranial Magnetic Stimulation to Dorsal Premotor Cortex  
Eizaburo Suzuki, Yutaka Oouchida, and Shin-ichi Izumi

32. Motion Support during Swing Phase using Cooperative Walking Support System  
Shinji Suzuki, Yasuhisa Hirata, and Kazuhiro Kosuge

33. Age-related Differences in Small-world Functional Brain Networks in Healthy Children  
Kai Wu, Yasuyuki Taki, Kazunori Sato, Hiroshi Hashizume, Yuko Sassa, Hikaru Takeuchi, Ryuta Kawashima, and Hiroshi Fukuda

34. Estimation of Positional Relationships between a Vehicle and Two Robots Lifting Drive Wheels in Transportation  
Naoaki Yonezawa, Kazuhiro Kosuge, and Yusuke Sugahara

35. An Electrode Film of Enzyme/Mediator/Nanotube Ordered Ensemble for High-Efficiency Glucose Oxidation  
Syuhei Yoshino, Takeo Miyake, Keigo Haneda, Takuya Ofuji, Takeo Yamada, Kenji Hata, and Matsuhiko Nishizawa