

[Program]

No.	Field	Chair	Time	Presenting Author	Title of Paper
27th March, Fri. 13:00~					
0	Opening Remark		13:00-13:10	Takami Yamaguchi	Progress of NanoBME Research and Education at Tohoku University for Two Years – 2007-2008
1	Nano-biodevices	H. Matsuki	13:10-13:30	Matsuhiko Nishizawa	Electrochemistry-Based Bionic Devices
2	Nano-biodevices		13:30-13:50	Mami Tanaka	Advanced Palpation Sensor Systems Using PVDF Films
3	Nano-biodevices		13:50-14:10	Tetsu Tanaka	Development of Fully Implantable Retinal Prosthesis with 3-Dimensionally Stacked LSI
4	Nano-biodevices		14:10-14:30	Tatsuo Yoshinobu	Image Correction for the Chemical Imaging Sensor
5	Nano-biointervention		14:30-14:50	Makoto Yoshizawa	Division of Roles between Heart Rate Manipulation and Vascular Resistance Manipulation Played in Circulatory Control
Break			14:50-15:10		
6	Nano-biointervention	M. Nishizawa	15:10-15:30	Hidetoshi Matsuki	An Engineering Approach to Implantable Medical Devices using non-contact Energy Transmission Technology via Fusion between the Living Body and Electromagnetic Field
7	Nano-biointervention		15:30-15:50	Noriaki Ouchi	Novel Bio-imaging by Functional Nano-particles
8	Nano-biointervention		15:50-16:10	Tomoyuki Yambe	Artificial Organs with Nano-Technology and Application of the Artificial Organ Principle
9	Nano-biointervention		16:10-16:30	Natsuko Chiba	Analysis of Tumor Suppressor Gene using Molecular Imaging for Personalized Medicine
10	Nano-biointervention		16:30-16:50	Fumihito Arai	System Integration Based on Micro-Nanotechnology and Biomedical Applications
Banquet			18:00-20:00		
28th March, Sat. 9:00~					
11	Nano-biodevices	H. Fukuda	9:00-9:20	Kazuhiro Kosuge	Passive Walking Helper -RT Walker-
12	Nano-biodevices		9:20-9:40	Tetsuaki Kawase	Evoked Potentials in Response to Electrical Stimulation of the Cochlear Nucleus by Means of a Multi-channel Surface Microelectrode
13	Nano-bioimaging		9:40-10:00	Hiroshi Kanai	Ultrasonic Visualization of Propagation of Vibration Caused by Electrical Excitation in the Normal Human Heart
14	Nano-bioimaging		10:00-10:20	Manabu Tashiro	Nano-bio-imaging with Radiopharmaceuticals and Application to Health Sciences
Break			10:20-10:40		
15	Nano-bioimaging	H. Kanai	10:40-11:00	Hiroshi Fukuda	Normal Brain Aging and its Risk Factors-Analyses of Brain MRI Database of Healthy Japanese
16	Nano-bioimaging		11:00-11:20	Kei Takase	Multidetector-row Computed Tomographic Evaluation of the Fine Vascular Structures
17	Nano-bioimaging		11:20-11:40	Kazuhiko Yanai	PET Amyloid Imaging Probe BF-227 For Early Detection of Alzheimer's Disease
18	Nano-bioimaging		11:40-12:00	Shin-ichiro Umemura	High-Intensity Focused Ultrasound Treatment Enhanced by Microbubbles and their Tissue-Selective Nano-Droplet Precursors
Lunch Break (Poster Session)			12:00-13:30		
19	Nano-biomechanics	K. Yanai	13:30-13:50	Takami Yamaguchi	Computational Biomechanical Studies on Arterial Diseases
20	Nano-biomechanics		13:50-14:10	Toshiyuki Hayase	Determination of Local Fine Structure of Blood Flows by Measurement Coupled Simulation
21	Nano-biomechanics		14:10-14:30	Masaaki Sato	Micro- and Nanobiomechanics of Cells and Molecular Motors
22	Nano-biomechanics		14:30-14:50	Hiroshi Wada	Recent Findings on the Inner Ear Biomechanics