

・発表タイトル Presentation Title

1. 口頭発表 Oral Presentation

Session I (11:00 – 12:15) Chair: Prof. Umemura

	発表者 Presenter	発表タイトル Title	所属
OS1-1	荒川 元孝 Mototaka Arakawa	Designs of ultrasonic devices for ultrasonic microscopy using pulse signals	西條研究室 Saijo Lab.
OS1-2	高木 亮 Ryo Takagi	Real-time Treatment Feedback Using Novel Filter for Eliminating Therapeutic Ultrasound Noise in US-guided High-Intensity Focused Ultrasound Therapy	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
OS1-3	Piero Tortoli	Advances in vector Doppler flow imaging	Florence University

Session II (14:45 – 16:00) Chair: Prof. Saijo

	発表者 Presenter	発表タイトル Title	所属
OS2-1	瀧 宏文 Hirofumi Taki	Compensation Technique for the Intrinsic Error in Ultrasound Motion Estimation Based on a Speckle Tracking Method	金井・瀧研究室 Kanai-Taki Lab.
OS2-2	赤川 紀 Osamu Akagawa	Study on Processing of High-Frame-Rate Color Doppler Image	西條研究室 Saijo Lab.
OS2-3	Magnus Cinthio	On the different phases of the longitudinal movement of the carotid artery wall in healthy humans	Lund University

Session III (16:30 – 17:45) Chair: Assoc. Prof. Yoshizawa

	発表者 Presenter	発表タイトル Title	所属
OS3-1	大山 誠司 Seiji Oyama	Quantitative Measurement of Focused Ultrasound Pulse Pressure Field Using Optical Phase Contrast Method	梅村・吉澤研究室 Umemura-Yoshizawa Lab.

OS3-2	Maria Evertsson	In vivo detection of rat sentinel lymph nodes using magnetomotive ultrasound imaging	Lund University
OS3-3	Tobias Erlöv	Measurements of scatter size in the time domain and its relation to carotid plaque vulnerability	Lund University

2. ポスター発表 Poster Presentation (13:30 – 14:45, 16:00 – 16:30)

	発表者	発表タイトル	所属
PS1	安田 惇 Jun Yasuda	Efficient Generation of Reactive Oxygen Species in Rose Bengal Solution for Sonodynamic Treatment	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS2	岩崎 亮祐 Ryosuke Iwasaki	Detection of Thermal Lesions Induced by Cavitation-Enhanced High-Intensity Focused Ultrasound Using Shear Wave Elastography	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS3	大須賀 将瑞 Masamizu Osuga	Acceleration of Lithotripsy Using Cavitation Bubbles Induced by Dual-Frequency Ultrasound	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS4	神保 勇人 Hayato Jimbo	Reducing electric power consumption with multi-staircase wave driving circuit for high-intensity focused ultrasound	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS5	Zulfadhli bin Zaini	Evaluation on Ultrasonic Transducer with Heavy Matching Layer towards Generating Second Harmonic	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS6	田口 溪 Kei Taguchi	Flash Imaging of Cavitation Behavior during High-Intensity Focused Ultrasound Exposure	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS7	鈴木 魁 Kai Suzuki	Effect of ultrasonic attenuation on focused ultrasound pressure field and region of cavitation cloud formation	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS8	富安 謙太郎 Kentaro Tomiyasu	Simulation of tissue temperature increase taking nonlinear propagation of HIFU into consideration	梅村・吉澤研究室 Umemura-Yoshizawa Lab.
PS9	花山 洋貴 Hiroki Hanayama	Preliminary Study of Shadowgraph Using Simulation of Optical Propagation for Ultrasound Pressure Field	梅村・吉澤研究室 Umemura-Yoshizawa Lab.

PS10	長岡 亮 Ryo Nagaoka	Elasticity estimation method by using deformation induced by arterial pulsation	西條研究室 Saijo Lab.
PS11	伊郷 泰智 Taichi Igo	Measurement of acoustic properties of cells using high frequency acoustic microscopy	西條研究室 Saijo Lab.
PS12	佐藤 遊 Yu Sato	A basic study on ultrasound and optical coherence tomography	西條研究室 Saijo Lab.
PS13	深津 幸助 Kosuke Fukazu	Measurement of velocity vector map and selectable parameters by means of Particle Image Velocimetry	西條研究室 Saijo Lab.
PS14	田畑 拓也 Takuya Tabata	Development of Photothermal Therapy Using Gold Nanorods	西條研究室 Saijo Lab.
PS15	継田 直哉 Naoya Tsugita	Two-dimensional velocity vector visualization method by Echo-Dynamography	西條研究室 Saijo Lab.
PS16	牧野孝洋 Takahiro Makino	Wavelength dependence of photo acoustic imaging	西條研究室 Saijo Lab.
PS17	Israr Ul Haq	Detection of Abnormal Blood Vessels on Optic Disc for Diagnosis of Proliferative Diabetic Retinopathy	西條研究室 Saijo Lab.
PS18	松木 大輔 Daisuke Matsuki	Photothermal therapy of tumors in lymph nodes using gold nanorods and near-infrared laser light with controlled surface cooling	小玉研究室 Kodama Lab.
PS19	八巻 哲平 Teppei Yamaki	Perfusion defect in metastatic lymph node using micro CT	小玉研究室 Kodama Lab.
PS20	武田 航 Kazu Takeda	Intranodal chemotherapy for tumor-bearing lymph node and its evaluation by using intranodal pressure	小玉研究室 Kodama Lab.
PS21	吉羽 正太 Shota Yoshiba	A study on agent distribution in lymph node using liposomal doxorubicin	小玉研究室 Kodama Lab.
PS22	多田 明日香 Asuka Tada	Visualization of Flow Dynamics in Lymphatic Channels in Lymph Node	小玉研究室 Kodama Lab.

PS23	浅井 拓磨 Takuma Asai	Measurement of Myocardial Contraction/relaxation Property Using Ultrasonic Two-Dimensional Speckle Tracking	金井・瀧研究室 Kanai-Taki Lab.
PS24	木所 一祥 Kazuyoshi Kidokoro	In Vivo Measurement of Luminal Surface Roughness of Carotid Artery Using High Spatial Resolution Ultrasound	金井・瀧研究室 Kanai-Taki Lab
PS25	黒川 祐作 Yusaku Kurokawa	Spectrum Analysis of Blood Echo Around 40 MHz for Quantitative Assessment of Red Blood Cell Aggregation	金井・瀧研究室 Kanai-Taki Lab
PS26	酒井 康将 Yasumasa Sakai	Accurate Evaluation of Change in Viscoelasticity of Radial Arterial Wall During Flow-Mediated Dilation Using 7.5 MHz Ultrasound	金井・瀧研究室 Kanai-Taki Lab
PS27	望月 雄太 Yuta Mochizuki	A study on shear wave propagation generated by dual acoustic radiation force	金井・瀧研究室 Kanai-Taki Lab
PS28	小野寺 紘 Gen Onodera	Probe localization for freehand 3D ultrasound imaging: basic study	金井・瀧研究室 Kanai-Taki Lab
PS29	高橋 一生 Kazuki Takahashi	Depiction of acoustic window to epidural space for thoracic anesthesia: basic study	金井・瀧研究室 Kanai-Taki Lab
PS30	高橋 航平 Kohei Takahashi	Automatic heart wall identification in echocardiographic images using linear discriminant function	金井・瀧研究室 Kanai-Taki Lab
PS31	飛内 優美 Yumi Tobinai	Regularity of change in ultrasonic integrated backscatter from regional myocardium during one cardiac cycle	金井・瀧研究室 Kanai-Taki Lab
PS32	松野 雄也 Yuya Matsuno	Ultrasound imaging of propagation of myocardial contraction in rat heart tissue	金井・瀧研究室 Kanai-Taki Lab