Poster Session

1. The Alzheimer’s Disease-Related Cardiomyopathy Prevent β-Adrenergic Receptor-Stimulated Myocardial Hypertrophy in the 5XFAD Mouse Model
   Cao Cheng

2. Sex differences in high-fat diet-induced obesity in rats
   Sayaka Akieda-Asai, Yukari Date

3. Multilayer Nanoring Devices for NIR Plasmonic Biosensing
   A. Gurkan Ozer, V.G. Truong, O. Elisseeva, S. Nic Chormaic

4. Development of Non-invasive detection method on amyloid imaging by using MR phase information
   Nan Kurehana

5. Dynamics of heat shock protein 70 mRNA expression in leukocyte at intestinal ischemia-reperfusion injury in rat model
   Yuka Mine, Fumihiko Fujita, Takehiko Murase, Izumi Yamaguchi, Yusuke Inoue, Mitsuhsia Takatsuki, Kazuya Ikematsu, Susumu Eguchi

6. Ultrasonographic evaluation of therapeutic response in biologic DMARDs switchers: Kyushu multicenter rheumatoid arthritis ultrasound prospective observational cohort in Japan

7. Centromeric non-coding RNA controls cell division
   Yukiko Cho

8. Role of LMTK1 in Cancer: Computational and Functional Analysis
   Sandrine Burriel

9. Patients assessment of continuous glucose monitoring (CGM) for Self-control of adult patients with type 2 diabetes mellitus
   Michiko Gushiken, Yukiko Omlor

10. Epithelial barrier disorganization and oral pain

11. Simultaneous detection of major food-poisoning bacteria by immunochromatography and surface plasmon resonance biosensor.
    Hiroshi Kobayashi, Ken-ichi Honjoh, Takahisa Miyamoto

12. Recovery of heat-injured Campylobacter jejuni on plating media
    Tomoe Okada, Kyoko Suda, Hiroshi Kobayashia

13. Floral thermogenesis in primitive seed plants
    Yasuko Ito-Inaba

14. Payment for Ecosystem Services – a market-based mechanism designed to encourage the conservation of biodiversity and other natural resources in case of Aso, Kyushu Japan
    H. Nomura, M. Yabe
15. Very long baseline interferometry observations of water and silicon-monoxide masers around evolved stars
   Miyako Oyadomari

16. The EarthCare mission: Understanding the global Cloud-radiation distribution
   K. Sato, H. Okamoto, S. Katagiri

17. Mechanotransduction and redox regulation of stem cells
   T. Kuboki, F. Kantawong, S. Kidoaki

18. Towards: Characterizing the light-matter interactions of Rubidium vapour in a microbubble-type WGM resonator
   Ratnesh Kumar Gupta, Cindy Liza Esporlas, Jonathan Ward, Sile Nic Chormaic

19. Pyrolysis of plastic wastes for synthesis of valuable carbon material
   S. Oleszek, M. Grabda, E. Shibata, T. Nakamura, A. Buekens

20. Frequency comb generation at visible wavelengths in a silica microbubble resonator
   Sho Kasumie

21. Engineering bright matter-wave solitons of dipolar condensates
   M. J. Edmonds, T. Bland, R. Doran, N. G. Parker

22. Cold Rydberg Atoms near an Optical Nanofiber
   Krishnapriya Subramonian Rajasree, Tridib Ray, Maria Langbecker, Kristoffer Karlsson, Sile Nic Chormaic

23. Selective excitation of higher order nanofiber modes and their interaction with cold atoms
   Thomas Nieddu

24. Quantum walk and 2D phase
   S. Sahar S. Hejazi

25. Solid body rotation of two-component Bose-Einstein condensates
   Angela White, Tara Hennessy, Thomas Busch

26. Creating superfluid vortex rings in artificial magnetic fields
   R. Sachdeva, J. Schloss, Th. Busch

27. Spatial adiabatic passage: interactions, particle separation, and shortcuts
   A. Benseny, J. Gillet, A. Kiely, Y. Zhang, A. Ruschhaupt, Th. Busch

28. Controlling vortex rings in Bose-Einstein condensates using artificial gauge fields
   James Schloss, Rashi Sachdeva, Lee O’Riordan, Thomas Busch

29. A compact optical nanofiber cavity for enhanced light-matter interactions
   Wenfang Li, Jinjin Du, Viet Giang Truong, Sile Nic Chormaic

30. Thermodynamics of interacting heat engines
   T. Fogarty, J. Li, S. Campbell, X. Chen, Th. Busch

31. Plasmonic Nanotweezers Based on Nanoring Structures for Micro- and Nanoparticle Trapping
   Xue Han, Viet Giang, Truong, Síle Nic Chormaic

32. Microglia role in neuronal cell death in pinball eye (piy) zebrafish mutant
   N. Ranawat, Y. Nishiwaki and I. Masai