JCR International School 2018

Venue | Asama International Conference Hall, Karuizawa Prince Hotel West, Karuizawa, Japan

Dates | August 2 - 4, 2018
JCR International School 2018 in Karuizawa

Day 1    Thursday, August 2, 2018

13:00 ~ 15:00    pre-seminar Lecture

Presentation Tips for Doctors and Q & A Strategies Workshop
Lecturer:    E. H. Jego
             Nihon University School of Medicine, Center for Institutional Research and Medical Education, Tokyo, Japan

15:30 ~ 15:45    Opening Ceremony

Chair:    Yoshiya Tanaka
            Chairperson of the Committee on JCR International School
            The First Department of Internal Medicine, School of Medicine, University of Occupational and Environmental Health, Japan, Kitakyushu, Japan

Opening Remarks:    Kazuhiko Yamamoto
            President of the Japan College of Rheumatology
            Laboratory for Autoimmune Diseases, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan

            Tsutomu Takeuchi
            Chairperson, Committee on International Affairs
            Division of Rheumatology, Department of Internal Medicine, Keio University School of Medicine, Tokyo, Japan

15:45 ~ 16:45    Keynote Lecture

Co-sponsored by UCB Japan Co., Ltd. and Astellas Pharma Inc.

Recent progress in the pathogenesis and treatment of premature atherosclerosis in patients with inflammatory arthritis
Lecturer:    Lai-Shan Tam
             Division of Rheumatology, Department of Medicine and Therapeutics, The Chinese University of Hong Kong

Chair:    Yoshiya Tanaka
            The First Department of Internal Medicine, School of Medicine, University of Occupational and Environmental Health, Japan, Kitakyushu, Japan

17:00 ~ 18:30    Session 1    “Systemic Inflammation”

Tutor:    Kunihiro Yamaoka
            Division of Rheumatology, Department of Internal Medicine, Keio University School of Medicine, Tokyo, Japan

1-1:    Adipose tissue inflammation: Implications for joint diseases

            Inge Klein-Wieringa
            Department of Rheumatology, Leiden University Medical Centre, Leiden, The Netherlands
1-2: Transcriptome analysis of immune cell subsets in PBMCs from idiopathic inflammatory myopathy patients
Yusuke Sugimori
Department of Allergy and Rheumatology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

1-3: Cytotoxic T lymphocytes induced perforin/granzyme-dependent apoptosis of myoblasts and Fas/Fasl-dependent necroptosis of myotubes in in vitro model of myositis
Mari Kamiya
Department of Allergy and Rheumatology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU), Tokyo, Japan

18:45 ~ 19:45 Session 2 “Systemic sclerosis”

Tutor: Hideto Kameda
Division of Rheumatology, Department of Internal Medicine, School of Medicine, Toho University, Tokyo, Japan

2-1: Transcriptome profiling of peripheral blood immune cells revealed the importance of CD16 negative monocytes in systemic sclerosis
Satomi Kobayashi
Department of Allergy and Rheumatology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan

2-2: The histone demethylase JMJD3 as novel mediator of fibroblast activation in Systemic Sclerosis (SSc)
Christina Bergmann
Department Internal Medicine III and Rheumatology, University Hospital Erlangen, Erlangen, Germany

20:00 ~ 22:00 Welcome Party
Place: Asama International Conference Hall, Karuizawa Prince Hotel West

Day 2 Friday, August 3, 2018

09:00 ~ 10:30 Session 3 “Clinical manifestations of autoimmune disease”

Tutor: Mitsumasa Kishimoto
Immuno-Rheumatology Center, St. Luke’s International Hospital, Tokyo, Japan

3-1: Immunodeficiency and Autoimmunity - Two sides of the same coin
Philip H Li
Division of Rheumatology and Clinical Immunology, Queen Mary Hospital, Hong Kong
3-2: Severity and Diurnal Improvement of Morning Stiffness Independently Associate with Tenosynovitis in Patients with Rheumatoid Arthritis
Yoshihisa Kobayashi
Department of Allergy and Clinical Immunology, Chiba University Hospital / Rheumatology Center, Matsudo City Hospital / Department of Internal Medicine, Chiba Aoba Municipal Hospital, Japan

3-3: Algorithm for distinguishing IgG4-related disease from multicentric Castleman’s disease
Takanori Sasaki
Division of Rheumatology, Department of Internal Medicine, Keio University School of Medicine, Japan

10:45 ~ 12:15 Session 4 "Molecular mechanisms underlying synovitis and structural changes in rheumatoid arthritis"

Tutor: Kei Ikeda
Department of Allergy and Clinical Immunology, Chiba University Hospital, Chiba, Japan

4-1: The role of interleukin 21 in the pathogenesis of synovitis and osteoclastogenesis in rheumatoid arthritis
Jinxia Zhao
Department of Rheumatology and Immunology, Peking University Third Hospital, Beijing, China

4-2: The fate of synovial fibroblasts in a mouse model of chronic inflammatory rheumatoid arthritis
Yoko Miura
Department of Molecular and Cellular Biology, Nagoya City University, Nagoya, Japan

4-3: The Effects of IL-6 and TNF-α on the Cell Cycle Regulators and the Proliferation in RA fibroblast-like synoviocytes
Kenta Kaneshiro
Department of Biophysics, Kobe University Graduate School of Health Sciences, Kobe, Japan

12:30 ~ 13:30 Luncheon Keynote Lecture
Co-sponsored by Bristol-Myers Squibb and ONO PHARMACEUTICAL CO., LTD

Osteoimmunology and autoimmune diseases
Lecturer: Hiroshi Takayanagi
Department of Immunology, Graduate School of Medicine and Faculty of Medicine, The University of Tokyo, Tokyo, Japan

Chair: Hideto Kameda
Division of Rheumatology, Department of Internal Medicine, School of Medicine, Toho University, Tokyo, Japan
14:00 ~ 15:30  Session 5  "Treatment of OA and RA"

Tutor:  Hiromu Ito

*Department of Orthopaedic Surgery, Kyoto University Graduate School of Medicine, Kyoto, Japan*

5-1:  On the possibility of withdrawal the treatment of steroid after introduction of biologic DMARD by methotrexate increase; a retrospective observational study based on data from a Japanese multicenter registry study

Mochihito Suzuki

*Department of Orthopedic Surgery, Nagoya University Hospital, Nagoya, Japan*

5-2:  Effects of intra-articular injected diacerein-loaded nanoparticles on joint in rat model of osteoarthritis

Jae Hyun Jung

*Division of Rheumatology, Department of Internal Medicine, Korea University Guro Hospital, Seoul, Korea*

5-3:  Recent trend of patients with rheumatoid arthritis who require orthopaedic surgery

Yoshihisa Nasu

*Department of Orthopaedic Surgery, Okayama University Hospital, Okayama, Japan*

15:45 ~ 17:15  Session 6  "Clinical aspects and pathogenesis of SLE"

Tutor:  Hiroko Kobayashi

*Department of Rheumatology, Fukushima Medical University School of Medicine, Fukushima, Japan*

6-1:  Biomarker discovery in Lupus Nephritis

Huihua Ding

*Department of Rheumatology, Renji Hospital, Shanghai JiaoTong University School of Medicine, Shanghai, China*

6-2:  Comparison of the disease control and the treatment of SLE between recent 5 years and 15 years before

Chihiro Imaizumi

*Division of Rheumatology, Department of Internal medicine, Faculty of Medicine, Toho University (Ohashi Medical Center), Tokyo, Japan*

6-3:  Abnormal B cell activation through cellular metabolic reprogramming and its relevance to the pathogenesis of SLE

Masataka Torigoe

*Department of Endocrinology, Rheumatology and Nephrology, School of Medicine, Oita University, Oita, Japan*
18:30 ~ 19:30  Evening Keynote Lecture  
Co-sponsored by AbbVie GK and Eizai Co., Ltd.

**Statistical genetics, disease biology, and drug discovery**

Lecturer: Yukinori Okada  
*Department of Statistical Genetics, Osaka University Graduate School of Medicine, Osaka, Japan*

Chair: Kazuhiko Yamamoto  
*Laboratory for Autoimmune Diseases, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan*

19:30 ~ 22:00  Cocktail Party (Free Time)

Place: "Chikuma", Karuizawa Prince Hotel West

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**Day 3  Saturday, August 4, 2018**

08:30 ~ 10:00  Session 7  "Molecular mechanisms of autoimmunity and bone metabolism"

Tutor: Shingo Nakayamada  
*The First Department of Internal Medicine, School of Medicine, University of Occupational and Environmental Health, Japan, Kitakyushu, Japan*

7-1: Glucocorticoid-Induced Leucine Zipper (GILZ) represents a checkpoint limiting type I interferon (IFN) production in SLE  
Champa T Nataraja  
*Monash University Faculty of Medicine, Nursing and Health Sciences, Melbourne, Australia*

7-2: Decreased expression of Serine/arginine-rich splicing factor 1 in T cells from patients with active systemic lupus erythematosus accounts for reduced expression of RasGRP1 and DNA methyltransferase 1  
Michihiro Kono  
*Department of Rheumatology, Endocrinology and Nephrology, Hokkaido University Graduate School of Medicine and Faculty of Medicine, Sapporo, Japan*

7-3: Reciprocal stabilization of ABL and TAZ is required for osteoblastogenesis and embryonic bone development controlled by the master transcription factor RUNX2  
Yoshinori Matsumoto  
*Department of Nephrology, Rheumatology, Endocrinology and Metabolism, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan*  
*Princess Margaret Cancer Center, University of Toronto, Canada*
10:15 ~ 11:45  Session 8  “post-transcriptional regulation in autoimmunity”

Tutor:  Shinsuke Yasuda  
Division of Rheumatology, Endocrinology and Nephrology, Hokkaido University Graduate School of Medicine, Sapporo, Japan

8-1:  TET2 plays a role in demethylation of PBMC in systemic lupus erythematosus  
Wan-Yu Sung  
Division of Allergy, Immunology and Rheumatology, Department of Internal Medicine, Kaohsiung Medical University Hospital, Taiwan

8-2:  DNA oxidase enzyme TET3 exacerbates synovial inflammation and bone destruction  
Akio Kawabe  
The First Department of Internal Medicine, School of Medicine, University of Occupational and Environmental Health, Japan, Kitakyushu, Japan

8-3:  Increased Follicular Helper T cell Regulates Autoantibody Hyposialylation in Glucose-6-phosphate Isomerase Induced Arthritis  
Izumi Kurata  
Division of Rheumatology, Department of Internal Medicine, Faculty of Medicine, University of Tsukuba, Tsukuba, Japan

11:45 ~  Closing Ceremony