

# JCR International School 2018

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

Dates | August 2 - 4, 2018

 JAPAN COLLEGE OF RHEUMATOLOGY

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# JCR International School 2018 in Karuizawa

## Day 1 Thursday, August 2, 2018

13:00 ~ 15:00 pre-seminar Lecture

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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

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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.

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### **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"

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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*

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- 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 Rheumatology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University (TMDU), Tokyo, Japan*

18:45 ~ 19:45 Session 2 "Systemic sclerosis"

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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

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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"

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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*

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- 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"

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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- $\alpha$  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

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### **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*

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14:00 ~ 15:30 Session 5 "Treatment of OA and RA"

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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"

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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*

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18:30 ~ 19:30 Evening Keynote Lecture

Co-sponsored by AbbVie GK and Eisai Co., Ltd.

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### **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)

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Place: "Chikuma", Karuizawa Prince Hotel West

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

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

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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*

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10:15 ~ 11:45 Session 8 "post-transcriptional regulation in autoimmunity"

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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

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