Day 1 Thursday, July 27

7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00 19:30

Room 1 — Toshi Center Hotel Tokyo Cosmos (3F)

Opening

Symposium 1
Revision of differential diagnosis of hypocalcemia and diagnostic criteria of hypoparathyroidism
Chairs: Daisuke Inoue, Takuo Kubota
Speakers: Rieko Takatani, Noriyuki Namba, Seiji Fukumoto, Takuo Kubota, Daisuke Inoue
09:00～10:30 **P.86～88**

Future Planning Committee Symposium (Basic)
Rising Stars in Skeletal Biology
Chairs: Masaru Ishii, Yuuki Imai
Speakers: Noritaka Saeki, Kosei Nagata, Ryo Nakamichi, Tomohiko Murakami
10:40～12:10 **P.114～116**

Luncheon Seminar 1
Chair: Satoshi Soen
Speaker: Yoshiya Tanaka
Co-sponsored by DAIICHI SANKYO CO.,LTD.
12:20～13:20 **P.130**

Symposium 4
Bone destruction and pathogenesis of rheumatoid arthritis: Japan College of Rheumatology
Chairs: Yoshiya Tanaka, Hiroshi Takayanagi
Speakers: Keishi Fujio, Noriko Komatsu, Ko Chiba, Yoshiya Tanaka
14:40～16:10 **P.92～94**

Symposium 5
Recent progress in the reseach on rickets/osteomalacia and associated disorder
Chairs: Toshimi Michigami, Nobuaki Ito
Speakers: Takuo Kubota, Naoko Hidaka, Rena Okawa
16:20～17:50 **P.94～95**

Room 2 — Toshi Center Hotel Tokyo Orion (5F)

Future Planning Committee Committee The 41st JSBMR Highlights
Speakers: Yasuhiro Kobayashi, Daisuke Inoue
08:00～08:50

Symposium 2
Reviewed once again! Bone quality in terms of bone matrix
Chairs: Mitsuru Saito, Norio Amizuka
Speakers: Mitsuru Saito, Hiromi Kimura-Suda, Takayoshi Nakano, Tomoka Hasegawa
09:00～10:30 **P.88～90**

Symposium 3
Frontiers of Bone&Cartilage Biology and Oral Science Research
Chairs: Riko Nishimura, Eijiro Jimi
Speakers: Takashi Yamashiro, Kenji Hata, Kyoko Hida, Kenji Mishima
10:40～12:10 **P.90～92**

Luncheon Seminar 2
Chair: Naoto Endo
Speakers: Takuo Kubota, Yasuo Imanishi
Co-sponsored by Kyowa Kirin Co.,Ltd.
12:20～13:20 **P.130～131**

Future Planning Committee Program Selection Outstanding Abstracts JSBMR Young Investigator Award Session
Chairs: Riko Nishimura, Masakazu Terauchi
Speakers: Takuto Konno, Noritaka Saeki, Chisato Sampei, Kenji Takami, Toshiko Iidaka, Maki Yokomoto-Umakoshi, Hikaru Otsuka, Soichiro Kimura
14:40～16:10 **P.119～122**

Symposium 6
Study for bone and cartilage regeneration using cells and biomaterials
Chairs: Takayoshi Nakano, Noriyuki Tsumaki
Speakers: Ryosuke Kuroda, Koichiro Hayashi, Takayoshi Nakano, Kaoru Yamagata, Kengo Abe
16:20～17:50 **P.96～98**

Room 3 — Toshi Center Hotel Tokyo 601 (6F)

Future Planning Committee Symposium (Musculo & Skeletal Research)
Muscles, Tendons, and Ligaments Adorning Bones
Chairs: Hiroshi Asahara, Satoshi Inoue
Speakers: Yuji Yamanashi, Taku Saito, Yuuki Imai, Hiroshi Asahara, Satoshi Inoue
09:00～10:30 **P.112～114**

Educational Lecture 1
Chair: Haruhiko Akiyama
Speaker: Takayoshi Nakano
11:10～12:10 **P.84**

Luncheon Seminar 3
Chair: Masayoshi Harigai
Speaker: Sakae Tanaka
Co-sponsored by AbbVie GK
12:20～13:20 **P.131**

Educational Lecture 2
Chair: Akihiro Yasoda
Speaker: Keiichi Ozono
13:30～14:30 **P.84**

Educational Lecture 3
Chair: Tomoki Nakashima
Speaker: Masaru Ishii
14:40～15:40 **P.85**

Educational Lecture 4
Chair: Hiroshi Asahara
Speaker: Shiro Ikegawa
15:50～16:50 **P.85**

Future Planning Committee Meet the Expert (How to write or review scietific papers)
Speaker: Takeshi Miyamoto
16:50～17:50 **P.118**

Room 4 — Toshi Center Hotel Tokyo 606 (6F)

Oral Presentation 1
Cartilage 1
Chairs: Noriyuki Tsumaki, Kenji Hata
O1-1 ～ O1-4
09:00～09:40 **P.139**

Oral Presentation 2
Primary osteoporosis
Chairs: Yuko Sakamoto, Kousuke Iba
O2-1 ～ O2-6
09:40～10:40 **P.140～141**

Oral Presentation 3
Osteoclast 1
Chairs: Tadahiro Iimura, Masamichi Takami
O3-1 ～ O3-5
13:30～14:20 **P.141～142**

Oral Presentation 4
Osteoclast 2
Chairs: Toshihide Mizoguchi, Nobuyuki Udagawa
O4-1 ～ O4-4
14:20～15:00 **P.142～143**

Oral Presentation 5
Disorders in mineral metabolism
Chairs: Shu Takeda, Reiko Inoue
O5-1 ～ O5-6
15:10～16:10 **P.143～145**

Oral Presentation 6
Muscle and sarcopenia
Chairs: Ritsuko Masuyama, Sumito Ogawa
O6-1 ～ O6-7
16:10～17:20 **P.145～146**

Poster Room 1 — Toshi Center Hotel Tokyo 603 (6F)

Poster Room 2 — Toshi Center Hotel Tokyo 604 (6F)

Poster Room 3 — Toshi Center Hotel Tokyo 605 (6F)

Poster Room 4 — Toshi Center Hotel Tokyo 607 (6F)

Day 2 Friday, July 28

7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00 19:30

Room 1 — Toshi Center Hotel Tokyo Cosmos (3F)

Symposium 7
Bone metabolism in the context of organ network
Chairs: Daisuke Inoue, Yoshiya Tanaka
Speakers: Takehito Ono, Yosuke Okada, Reiko Inoue, Chisato Saeki, Kenta Maruyama
09:00〜10:30 **P.98〜100**

Invited Lecture 1
Chair: Seiji Fukumoto
Speaker: Natalie A Sims
11:00〜12:00 **P.81**

Luncheon Seminar 4
Chair: Haruhiko Akiyama
Speaker: Yuuki Imai
Co-sponsored by ASAHI KASEI PHARMA CORPORATION
12:10〜13:10 **P.132**

JSBMR General Meeting
13:20〜14:20

JSBMR General Meeting Award Lectures
Chairs: Seiji Fukumoto, Yasuhiro Takeuchi
14:20〜15:50

Symposium 9
Anabolic therapy for patients with osteoporosis: Japan Osteoporosis Society Joint Symposium
Chairs: Seiji Fukumoto, Hiroshi Hagino
Speakers: Daisuke Inoue, Kosuke Ebina, Toshio Matsumoto
16:00〜17:30 **P.103〜104**

Evening Seminar
Chair: Daisuke Inoue
Speaker: Jun Iwamoto
Co-sponsored by CHUGAI PHARMACEUTICAL CO.,LTD.
17:40〜18:40 **P.135**

Room 2 — Toshi Center Hotel Tokyo Orion (5F)

Council Meeting
08:00〜08:50

Symposium 8
Wnt Biology: from bench to bedside
Chairs: Toshio Matsumoto, Yasuhiro Kobayashi
Speakers: Yasuhiro Kobayashi, Taku Saito, Masahiro Hiasa, Masanori Koide, Kosuke Ebina, Toshio Matsumoto
09:00〜10:30 **P.101〜102**

Luncheon Seminar 5
Chair: Sakae Tanaka
Speaker: Takeshi Miyamoto
Co-sponsored by TOWA PHARMACEUTICAL CO.,LTD. / CHUGAI PHARMACEUTICAL CO., LTD.
12:10〜13:10 **P.132**

Symposium 10
Regulation of mechanical force in locomotive organ
Chairs: Tomoki Nakashima, Yasuhiro Sawada
Speakers: Hiroshi Asahara, So-ichiro Fukada, Yasuhiro Sawada
16:00〜17:30 **P.104〜105**

Room 3 — Toshi Center Hotel Tokyo 601 (6F)

IFMRS Joint Symposium
Recent topics in musculoskeletal research
Chairs: Yuuki Imai, Kenji Hata
Speakers: Erica Scheller, Natalie Wee, Alex Ireland, Hironori Hojo
09:00〜11:00 **P.123〜124**

Luncheon Seminar 6
Osteocytes controlling bone strength: sclerostin and more!
Chair: Tsuyoshi Isojima
Speaker: Natalie A Sims
Co-sponsored by Amgen K.K. Medical Affairs / Astellas Pharma Inc. Medical Affairs
12:10〜13:10 **P.133**

Oral Presentation 10
Rheumatoid arthritis and osteoarthritis
Chairs: Yuki Nanke, Jun Hashimoto
O10-1 〜 O10-4
16:00〜16:40 **P.150**

Oral Presentation 11
Cancer-related bone diseases
Chairs: Masaki Inada, Kazuo Okamoto
O11-1 〜 O11-5
16:40〜17:30 **P.151〜152**

Room 4 — Toshi Center Hotel Tokyo 606 (6F)

Oral Presentation 7
Tooth and jawbones 1
Chairs: Kazuto Hoshi, Shinsuke Ohba
O7-1 〜 O7-4
09:00〜09:40 **P.147**

Oral Presentation 8
Tooth and jawbones 2
Chair: Hiroaki Nakamura
O8-1 〜 O8-4
09:40〜10:20 **P.148**

Oral Presentation 9
Cartilage 2
Chairs: Satoshi Kubota, Kazunori Imaizumi
O9-1 〜 O9-4
10:20〜11:00 **P.149**

Oral Presentation 12
Hormones, cytokines and signal transduction 1
Chairs: Itsuro Endo, Yuichi Takashi
O12-1 〜 O12-4
16:00〜16:40 **P.152〜153**

Oral Presentation 13
Hormones, cytokines and signal transduction 2
Chairs: Masahiro Yamamoto, Maki Umakoshi
O13-1 〜 O13-4
16:40〜17:20 **P.153〜154**

Poster Room 1 — Toshi Center Hotel Tokyo 603 (6F)

Poster Discussion
16:00〜17:00

Poster Room 2 — Toshi Center Hotel Tokyo 604 (6F)

Poster Discussion
16:00〜17:00

Poster Room 3 — Toshi Center Hotel Tokyo 605 (6F)

Poster Discussion
16:00〜17:00

Poster Room 4 — Toshi Center Hotel Tokyo 607 (6F)

Poster Discussion
16:00〜17:00

Day 3 Saturday, July 29

7:00 7:30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00 19:30

Room 1 — Toshi Center Hotel Tokyo Cosmos (3F)

Symposium 11
The practice of primary hyperparathyroidism (PHPT) based on the coming Japanese guideline for PHPT
Chairs: Noriko Makita, Yasuhiro Takeuchi
Speakers: Atsushi Suzuki, Daisuke Inoue, Noriko Makita
08:30〜10:00 **P.106〜107**

Invited Lecture 2
Chair: Daisuke Inoue
Speaker: Koutaro Yokote
10:00〜11:00 **P.82**

Invited Lecture 3
Chair: Yasuhiro Takeuchi
Speaker: Kohei Miyazono
11:00〜12:00 **P.83**

Luncheon Seminar 7
Chair: Miyauchi Akimitsu
Speaker: Mitsuru Saito
Co-sponsored by Amgen K.K. / Astellas Pharma Inc.
12:10〜13:10 **P.133**

Future Planning Committee Meet the Expert (Learn from the old, know the new)
Chair: Toshimi Michiagmi
Speaker: Seiji Fukumoto
13:20〜14:20 **P.118**

Symposium 12
Revised guidelines for management and treatment of glucocorticoid-induced osteoporosis (steroidal osteoporosis)
Chairs: Yoshiya Tanaka, Satoshi Soen
Speakers: Satoshi Soen, Ikuko Tanaka, Yosuke Okada, Sakae Tanaka, Masakazu Terauchi
14:30〜16:00 **P.107〜109**

Closing

Room 2 — Toshi Center Hotel Tokyo Orion (5F)

Morning Seminar
Chair: Yasuhiro Takeuchi
Speakers: Noriyuki Namba, Reiko Inoue
Co-sponsored by Alexion Pharma GK
07:30〜08:30 **P.129**

Future Planning Committee Symposium (Surgery)
Mechanism of action and clinical efficacy of osteoanabolic agents
Chairs: Sakae Tanaka, Toshio Matsumoto
Speakers: Young Kwan Kim, Kazuhiro Kobayashi, Toshio Matsumoto
08:30〜10:00 **P.116〜117**

Luncheon Seminar 8
Chair: Hiroshi Takayanagi
Speaker: Yoshiya Tanaka
Co-sponsored by Gilead Sciences K.K. / Eisai Co., Ltd.
12:10〜13:10 **P.134**

Symposium 13
Cutting Edge of Locomotive Science
Chairs: Taku Saito, Takeshi Miyamoto
Speakers: Haruka Tsuchiya, Naoki Ito, Hiroyuki Okada, Ayako Suzuki
14:30〜16:00 **P.110〜111**

Room 3 — Toshi Center Hotel Tokyo 601 (6F)

Oral Presentation 14
Secondary osteoporosis
Chairs: Yasato Komatsu, Mika Yamauchi
O14-1 〜 O14-6
08:30〜09:30 **P.154〜155**

Luncheon Seminar 9
Chair: Yasuhiro Takeuchi
Speaker: Toshio Matsumoto
Co-sponsored by TEIJIN PHARMA LIMITED / TEIJIN HEALTHCARE LIMITED
12:10〜13:10 **P.134**

JSBMR Research Grant 2021 Report Session
Chairs: Norio Amizuka, Sumito Ogawa
Speakers: Kazuo Okamoto, Takehito Ono, Long Guo, Shingo Komura, Akito Morimoto, Toshiko Iidaka, Hiroyuki Inose, Yayoi Izu
14:30〜16:00 **P.125〜128**

Room 4 — Toshi Center Hotel Tokyo 606 (6F)

Oral Presentation 15
Tendon and liganment
Chairs: Chisa Shukunami, Taku Saito
O15-1 〜 O15-4
08:30〜09:10 **P.155〜156**

Oral Presentation 16
Rickets/ osteomalacia and phosphate metabolism
Chairs: Noriyuki Namba, Nobuaki Ito
O16-1 〜 O16-5
09:10〜10:00 **P.156〜157**

Oral Presentation 17
Osteoblast
Chairs: Akira Nifuji, Takenobu Katagiri
O17-1 〜 O17-6
13:20〜14:20 **P.158〜159**

Oral Presentation 18
Bone formation 1
Chairs: Midori Nakamura, Koichi Matsuo
O18-1 〜 O18-5
14:20〜15:10 **P.159〜160**

Oral Presentation 19
Bone formation 2
Chairs: Yuko Nakamichi, Hiroshi Kaji
O19-1 〜 O19-5
15:10〜16:00 **P.160〜161**

Poster Room 1 — Toshi Center Hotel Tokyo 603 (6F)

Poster Discussion
13:20〜14:20

Poster Room 2 — Toshi Center Hotel Tokyo 604 (6F)

Poster Discussion
13:20〜14:20

Poster Room 3 — Toshi Center Hotel Tokyo 605 (6F)

Poster Discussion
13:20〜14:20

Poster Room 4 — Toshi Center Hotel Tokyo 607 (6F)

Poster Discussion
13:20〜14:20