ICMRS Education Newsletter

December 2014

ICMRS Education Committee
Executive Editor: Minyi Hu, PhD

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I. Greetings and Messages from ICMRS Presidents

ICMRS Greeting Card from Dr. Xu Cao, the President
Message from Dr. Di Chen and Endorsed by Other Former Presidents

Dear ICMRS members,

Christmas and New Year holidays are approaching. As an old member of this society, I wish all of you a very Happy Holiday season and a peaceful and prosperous New Year. I also hope to see you at The 2nd ICMRS/ASBMR meeting next April in Changsha, China.

Happy holidays!

Di Chen, PhD
Endorsed by Drs. Qin Ling, Hua Zhu Ke, Yi-Xian Qin and X. Edward Guo

Celebration of ICMRS/ICHTS 20th Anniversary

To commemorate the 20th anniversary of ICMRS, our first President, Dr. Mei-Shu Shih and former President Dr. Yi-Xian Qin kindly shared some of their thoughts with the members of ICMRS.

Message from Mei-Shu Shih, PhD:

Being the first president of the society, I have taken pride to see the growth and the upward evolution of the society in the past twenty years. I did not dare to predict a garage operation could have become a world-renowned organization when I was going through the membership directories of ASBMR, IBMS, and ORS and trying to recruit members to join the society. It is truly commendable for the dedications put together and out by the past, current and future presidents, the committees’ chairpersons and members, the board and the executive members, and anonymous supporting staffs. The accomplishments on the first two 10-year plans were invaluable to the prosperity of the society. Each of the achieved milestones represents collated efforts of minds and physical durability of the contributing volunteers. Working with these brilliant and self-motivated volunteers will be memorable for life.

Message from Yi-Xian Qin, PhD:

Beginning in 1994 at Sun Valley, the International Chinese Hard Tissue Society (ICHTS), now International Chinese Musculoskeletal Research Society (ICMRS), started with just about 25 members. 20 years later, the Society is serving more than 1,700 members worldwide. As a Life Member and one of the past presidents, I am so proud to be one of them, and having the opportunity observing the development of the Society. We have many reasons to celebrate its 20th Anniversary this year. Many of the members have been growing their career with the Society. 20 years ago, the membership has only one Full Professor. We now have more than 200 faculty members, including many Full Professors. Through various organized conferences, workshops, and symposium, hundreds of students have been trained. The Web Jee Young Investigator Awards have
selected more 200 outstanding young scientists over past decade, many of them become leaders in the musculoskeletal research field. The Society keeps two annual meetings at ORS and ASBMR, has been organizing total 7 bi-annually International Conference in Osteoporosis and Bone Research (ICOBR), and now initiated bi-annually ICMRS-ASBMR conference. I still remember attending the 1st ICOBR in early 2000 in Beijing. The research topics were so new to the majority of our Chinese colleagues and students. Just over a decade, the quality of sciences in China have been developed like a rapid booming. China now contributes second largest SCI papers, including the area in the musculoskeletal research. The close collaboration and SCI paper writing workshops organized by the Society are always well received. When the first two ICHTS/ICMRS Collaboration Centers established in 2007-2008, it was just a testing, like a scientific incubator. Now, there are total of 18 Collaboration Centers in China. To meet the growth needs for the Society, two new journals are fully affiliated in the Society, Bone Research of NPG, and Journal of Orthopaedic Translation. All these achievements could not happen without all members’ efforts and supports. Society leadership has also played very important role under the spirit of team work, scientific oriented, vision and hard working. All these efforts and contributions are great assets of the Society. These momentums may lead us to the next excellence!

Merry Christmas and Happy 2015!
On behalf of Past Presidents and Chairs of Board

II. Meeting Information and Updates

2015 ICMRS-ORS Membership Meeting
March 29, 2015. Las Vegas, NV.
Location: Convention Center, MGM Grand Hotel, Room 117.

The 2015 ICMRS-ORS Membership Meeting will be held in Las Vegas on March 29, 2015. This meeting has been organized by Dr. James Wang, and the organizing committee. This meeting will feature an introduction from Dr. James Wang, President Elect/Program Chair, a presidential speech from the President Dr. Xu Cao, a keynote speech from Dr. Regis J. O’Keefe (Washington University School of Medicine), and the presentation of Webster Jee Young Investigator Awards. For details, please see: http://icmrs.net/.

The 2nd ICMRS-ASBMR International Chinese Musculoskeletal Research Conference

The meeting is co-hosted by International Chinese Musculoskeletal Research Society (ICMRS) and American Society of Bone and Mineral Research (ASBMR). The conference aims to highlight leading-edge research in the musculoskeletal field worldwide. Areas of interest include: Skeletal Development and Regeneration, Genetic Skeletal Disorders, Bone Tumors, Biomechanics, Osteoporosis, Stem Cell Therapy,
Biomaterials and Orthopaedic Implants. Confirmed international speakers are: Roberto Civitelli (Washington Univ.), Roland Baron (Harvard), Karon Lyons (UCLA), Regis O'Keefe (Washington Univ.), Matt Warman (Harvard), Cliff Rosen (Maine Med Ctr Res Ctr), Masaki Noda (Tokyo Med and Dental Univ), Sundeep Khosla (Mayo Clinic), Eileen Shore (Univ, Pens), Matt Silva (Washington Univ.), Hiroshi Asahara (The Scripps Res Inst). The deadline for abstract submissions is Feb 1, 2015. Outstanding abstracts will be selected for oral presentations. For details, please see: http://1.hnhwly.com/ - Reported by Dr. Fanxin Long, Acting President of the Conference

2014 Annual ICMRS-ASBMR Membership Meeting Events
September 14, 2014. Houston, Texas, USA.

The Annual ICMRS-ASBMR Membership Meeting

The 2014 ICMRS-ASBMR membership meeting was successfully held in Houston on 9/14/2014. About 90 ICMRS members attended the 2014 ICMRS-ASBMR membership meeting. Dr. Steven Teitelbaum from Washington University School of Medicine gave a keynote speech titled "Osteoclasts: what do they do and how do they do it?" The keynote speech was followed by the presentation of three Webster Jee Awards to: Shan Li from Rush University Medical Center, Xin Xu from Johns Hopkins University School of Medicine, and Tiao Lin from University of Pennsylvania School of Medicine. Finally, the President of ICMRS, Dr. Xu Cao, briefed the accomplishments and ongoing work performed by his team. This meeting was organized by the program chair, Dr. James Wang, and the members of the organizing committee. Members of the committee include Drs. Ling Qin (UPenn), Herb Sun, Neil Dong, Minyi Hu, and Bin Li. For details, please see: http://icmrs.net/news/news-report-2014-icmrs-asbmr-membership-meeting-0.
2014 ICMRS Women’s Breakfast

Organized by the Women’s Committee and led by Ling Qin and Hong Zhou, the ICMRS female members were cordially invited to attend an informal networking event sponsored by ICMRS Women’s Committee during the ASBMR meeting. Xu Cao, the ICMRS President, attended the breakfast and encouraged women scientists to be involved in the society’s activity. At the breakfast, the female members got to know each other, discussed their research, found possibilities for collaboration, and discussed how ICMRS can support the career development of women scientists.

-Reported by Dr. Xiaoling Zhang, Chair of the Women’s Committee

The 7th International Conference on Osteoporosis and Bone Research (ICOBR)
Swiss International Hotel. Xiamen, China, October 2014.

The meeting was brought together by the International Bone and Mineral Society (IBMS), Chinese Society for Osteoporosis and Bone Mineral Research (CSOBMR) and the International Chinese Musculoskeletal Research Society (ICMRS), and was supported by the Chinese Medical Association (CMA). The joint committee(s) were co-chaired by Prof Eryuan Liao (CSOBMR), Prof Theresa Guise (IBMS) and Prof Xu Cao (ICMRS). The Scientific Program Committee, co-chaired by Prof Zhenling Zhang (CSOBMR), Prof Mark Forwood (IBMS) and Prof Hong Zhou (ICMRS), worked with Scientific Program Committee members: Theresa Guise, Eryuan Liao, Steve Cummings, Weibo Xia, Lin Chen, Qian Chen, X. Edward Guo, Ting Ting Tang, Xu Cao, Ling Qin, Yi Xian Qin, Anna Teti and Toshuuki Yoneda.

The meeting was a great success featured for high scientific standard presentations, particularly from early career scientists, and for its vigorous scientific and social interaction. The meeting continued to successfully facilitate collaboration and knowledge transfer between clinicians and scientists working in osteoporosis and bone research, and showcased the high quality of translational bone and mineral science in China, and of successful Chinese expatriates. More than 800 worldwide delegates
attended the meeting, with 458 abstracts submitted. There were 23 plenary talks from International and Chinese invited speakers which were balanced by presentations invited from Chinese (11) and International (12) speakers, organized by the themes: Skeletal Fragility, Cancer and Bone, Skeletal Metabolism, Osteoporosis and Fracture, Osteoporosis in China, Aging and Bone; 22 symposia; 52 oral presentations; and 158 posters. 20 Webster Jee Young Investigator awards and 6 best poster awards were presented. The abstracts have been published in BoneKEy Reports.

The meeting also featured a successful Education Program, which started with an Animal Models Workshop, covering the effective use of the rat as a model for osteoporosis (Mark Forwood), the future of in vivo imaging to understand systems biology (Ralph Muller) and Histomorphometry in preclinical research (Linda Ma). Specific models were illustrated to explain the use of Cre-Lox technology to track cell fate with CreER mice (Di Chen) and murine models of arthritis (Lianping Xing). This was followed by a “Hot Topics” session that created enormous interest through high quality presentations from leading Chinese and International investigators covering Wnt Signalling (David Ke), MicroRNA regulation (Hiroshi Asahara), Mechanotransduction and biomechanics (Ed Guo), EGFR Signalling (Ling Qin), Nucleic Acid delivery to joints in OA (Qian Chen), Tendon stem cells (James Wang), Pamidronate treatment in paediatric burns (Gordon Klein) and Mesenchymal stem cells in cancer metastases (Tinting Tang). We also had two sessions of SCI Paper and Grant Writing and Presentation Skills, which were run by Steve Cummings, Tom Clemens, Peng Shang, Ed Guo, and Di Chen.

- Reported by Dr. Hong Zhou, Sydney University

III. Highlights of ICMRS Collaborating Centers

Orthoepedic Institute of Soochow University- International Chinese Musculoskeletal Research Society (ICMRS) Collaborating Center for Orthopaedic Translational Research
The Orthopeadic Institute of Soochow University (OISU) is affiliated with the Medical College and the First Affiliated Hospital of Soochow University. Founded by Prof. Tiansi Tang and Prof. Huilin Yang, OISU is currently the largest orthopaedic research institute in Jiangsu Province. It was established on the basis of the Orthopaedic Research Laboratory of the Department of Orthopaedics, the First Affiliated Hospital of Soochow University. It is among the first few disciplines nationally that are authorized for conferring master and PhD degrees in orthopaedics. After many years of development, it has been entitled as both National Key Discipline and National Clinical Key Specialty.

The OISU-ICMRS Collaborating Center for Orthopaedic Translational Research was founded in 2009. Being focused on clinically oriented research and development, the center has gradually evolved into an integrated innovative center of basic sciences, clinical studies, and translational research. The main research effort centers on developing biomaterials, implants and medical devices for spine and joint surgeries, the two major sub-specialties of the clinical department. Toward this goal, the OISU-ICMRS Collaborating Center has fostered effective collaboration and integration of a wide range of disciplines, such as orthopaedic physiopathology, biomaterials, biomechanics, biochemistry, molecular and cellular biology, immunology, biomedical engineering, and mechanical engineering.

![Founders of OISU -- Prof. Tiansi Tang (top) and Prof. Huilin Yang (bottom).](image1)

The Orthopeadic Institute of Soochow University (OISU).  

The OISU Center occupies about 2,200 m², in which 1,200 m² has been in use and the other 1,000 m² is currently under construction. It is composed of more than ten laboratories. It recruits experts worldwide and provides fully independent principle investigator (PI, or Specially Appointment Professor) position for qualified candidates.
Currently, there are 31 full time employees (including 4 PIs), over 30 affiliated employees, and more than 50 graduate students in the center. Among them, there is 1 member of the discipline appraisal group of the State Council, 1 awardee of the "Thousand Youth Talents" plan, 3 awardees of the Jiangsu "Innovation and Startup" program, and 1 principle scientist of the Jiangsu "333" plan. The major uniqueness of this team lies in the seamless integration among the multidisciplinary partners from clinical and basic science settings toward successful orthopaedic translational research.

Since its opening, the OISU Center has achieved many significant accomplishments. For example, it has become a National Clinical Key Specialty in 2010 in addition to the National Key Discipline entitlement. Based on the center, several platforms have been established, including the Collaboration Base of Diagnostic Technologies for Osteoporosis of the Ministry of Health, Cyrus Tang Research Center for Osteoporosis, Sino-USA Collaborating Clinic for Spinal Bone and Joint Diseases, Suzhou Key Laboratory for Spinal Functional Reconstruction, and Soochow University - Ideal R&D Center for Medical Devices. It has continuously been the Orthopaedic Clinic Center of Jiangsu Province in the last three cycles. It also became the Orthopaedic Clinic Research Center of Jiangsu Province in 2012. It sponsored more than 20 symposia or conferences, including the Inaugural Conference of the International Chinese Spine Society (ICSS) in 2012 and the Inaugural ICMRS-ASBMR International Chinese Musculoskeletal Research Conference of in 2013. It has been granted a 973 sub-project and an 863 sub-project, respectively. In addition, it has received 34 NSFC grants. It has published 224 SCI papers and has been approved for 32 patents. It has been awarded more than 8 major science and technology awards, including 1 National Science and Technology Progress Award (2nd prize), 1 Science and Technology Progress Award from Ministry of Education (1st prize), and 1 Jiangsu Science and Technology Progress Award.

**Musculoskeletal Research at the Department of Orthopaedics & Traumatology, the Chinese University of Hong Kong, Hong Kong, SAR, PR China**

The key research strategy of this center is focused and orientated around major musculoskeletal clinical problems relevant to Hong Kong and the region. The overall strategy has been consolidated in the following aspects: 1) to develop new, innovative and applied technologies and to integrate basic research with clinical research and translational applications with the ultimate aim of improving the quality of clinical care, service and treatment outcome; 2) to promote the interest of research related to the musculoskeletal system among undergraduate, postgraduate students and professionals; 3) to establish and promote cross disciplinary collaborative research and development with other academic departments/institutions within the university, locally, nationally and internationally; including related industrial sectors; 4) To become an international acknowledged comprehensive center and leading in selected focused areas of basic and clinical translational musculoskeletal research.
Qin Ling (first one the left, Past President ICMRS) and Li Gang (2nd on the right, General Secretary of International Affairs, ICMRS) initiated the formation of musculoskeletal regeneration Network, with initial participating partners Karolinska Institute, Sweden; Utrecht University Medical School, Holland; Stanford University, USA; Brown University Medical School, USA and Shenzhen University Medical School, China.

One of the major goals of the research program is to integrate basic research with clinical and translational application research in six areas, including: 1) Computer-assisted orthopaedic surgery and navigation surgery programme, 2) Innovative orthopaedic biomaterial and drug translational research programme, 3) Sports medicine and regenerative technology (SMART), 4) Musculoskeletal regenerative medicine & stem cell research programme, 5) Musculoskeletal aging research programme, 6) Adolescent idiopathic scoliosis and bone health research programme. This department has also established research collaboration with different national and international professional societies, academic units / departments, industrial partners.

Staff and collaborators of the Department make great efforts to support societies’ R&D work and manage the Journal of Orthopedic Translation (JOT). JOT is an official journal of both Chinese Speaking Orthopaedic Society (CSOS: http://www.csos.org.hk/) and International Chinese Musculoskeletal Research Society, with Prof. Ling Qin as Co-editors-in-chief and Prof. Gang LI as one of the associate editors.

With the support of our ICMRS as co-organizer, this center recently organized two milestone workshop/symposium, including the 20th International Bone Densitometry Workshop (IBDW: http://www.ibdw2014hongkong.org) and the 4th Stem Cell Biology & Regenerative Medicine CUHK (http://scrm.ort.cuhk.edu.hk), which featured Prof. Shinya
Yamanaka, MD, PhD, Nobel Laurent of 2012 Medicine and Physiology as guest of honor and keynote speaker.

IV. ICMRS-Sponsored Journals

Bone Research

Bone Research was founded in 2013 as collaboration between Chinese and US bone scientists, and is supported by ICRMS. The aim of the Journal is to foster the worldwide dissemination of research in bone-related physiology, pathology, disease, and treatment, particularly between Chinese and other bone scientists. The Editor-in-Chief is Professor Zhou Xue-dong of Sichuan University, China. The founding editor is ICMRS president Xu Cao. The Executive Editor-in-Chief is Thomas L. Clemens from Johns Hopkins University.

In 2014, Bone Research is officially co-published with Nature Publishing Group. Due to the joint efforts, Bone Research has been accepted for coverage in the Web of Science Core Collection and PubMed Central. Coverage will begin with the first issue of Volume 1. The journal will appear in Web of Science and PMC in a few weeks. Below are the latest publications in Bone Research. For more details, please check the journal website at: http://www.nature.com/boneres.

The latest publications in Bone Research

- **Deletion of IFT20 in early stage T lymphocyte differentiation inhibits the development of collagen-induced arthritis**
  Full Text: http://www.nature.com/articles/boneres201438.

- **TLR signaling that induces weak inflammatory response and SHIP1 enhances osteogenic functions**
  Full Text: http://www.nature.com/articles/boneres201431.

- **Nrf2 is required for normal postnatal bone acquisition in mice**
  Full Text: http://www.nature.com/articles/boneres201433.

- **High-throughput screening of mouse gene knockouts identifies established and novel skeletal phenotypes**

Full Text: [http://www.nature.com/articles/boneres201434](http://www.nature.com/articles/boneres201434).

- **Bone tissue engineering via nanostructured calcium phosphate biomaterials and stem cells**
  Full Text: [http://www.nature.com/articles/boneres201417](http://www.nature.com/articles/boneres201417).

- **Bone density, microarchitecture and stiffness in Caucasian and Caribbean Hispanic postmenopausal American women**
  Full Text: [http://www.nature.com/articles/boneres201416](http://www.nature.com/articles/boneres201416).

**Journal of Orthopaedic Translation**

The Journal of Orthopaedic Translation (JOT) is the official peer-reviewed publication of the Chinese Speaking Orthopaedic Society (CSOS) and the International Chinese Musculoskeletal Research Society (ICMRS). The JOT aims to focus on the rapidly growing field of orthopaedic translational research, and is devoted to research and issues of strong interest in translational medicine regarding musculoskeletal and related themes. The editors-in-chief are Dr. Chih-Hwa Chen and Dr. Ling Qin. Since its launch in 2013, 4 issues have been published. Based on Dr. Ling Qin, listed below are the top 10 most viewed and downloaded articles in June 2014 from JOT. For more information, please check: [http://www.journals.elsevier.com/journal-of-orthopaedic-translation/](http://www.journals.elsevier.com/journal-of-orthopaedic-translation/).

**Highlights from the most recent issue of JOT**

- **International Combined Orthopaedic Research Societies: A model for international collaboration to promote orthopaedic and musculoskeletal research**

- **A model for facilitating translational research and development in China: Call for establishing a Hong Kong Branch of the Chinese National Engineering Research Centre for Biomaterials**
Degradation and in vitro cell–material interaction studies on hydroxyapatite-coated biodegradable porous iron for hard tissue scaffolds


V. Research News

Our members have been extremely productive. As an example, we present to you here the Report from Principal Investigators with news on recent honors and publications which were provided by our ICMRS members. We hope you find these exciting and interesting. We appreciate the contribution of reports from all the PIs and ICMRS members to share their exciting new research progress, and look forward to your contribution for the Members Research Highlights section. Also, in this issue, we included “New tools in Industry,” which we hope is of interest to our members.

Report from Principal Investigators

Yi-Ping Li, Ph.D. The University of Alabama at Birmingham School of Medicine

Awards/Honors:

Yun Lu (student), Mengrui Wu (post-docs) and Liang Hao (post-docs) in Yi-Ping Li’s Lab received 2014 The American Society for Bone and Mineral Research (ASBMR) Young Investigator Travel Award.

Select publications:

1. Fei Tian, Mengrui Wu, Wei Chen, Junqing Ma, Guochun Zhu, Bo Gao, Lin Wang, Lianfu Deng and Li YP. Core binding factor beta (Cbfβ) controls the balance of chondrocyte proliferation and differentiation by up-regulating Indian hedgehog (Ihh) expression and inhibiting parathyroid hormone-related protein Receptor (PPR) expression in postnatal cartilage and bone formation. J Bone Miner Res. 2014 May 12. PMID: 24821091.

New Tools in Industry

New Imaging Tools for Osteoarthritis in Rats

EPIC-microCT on OA in rats has been developed by PharmaLegacy, a CRO specialized in preclinical pharmacology services. EPIC-μCT, using Scanco μ40 scanner, analysis of rat articular cartilage was done to each of the knee being operated on with injection and/or medial meniscectomy. Articular cartilage structure and composition were quantitatively evaluated in the tibial plateau according to the published article [Willet NJ, Thote T, Lin ASP, Moran S, Raji Y, Sridaran S, Stevens HY, Guldberg HY. Intra-articular injection of micronized dehydrated human amnion/chorion membrane attenuates osteoarthritis development. Arthritis Research & Therapy 2014, 16:R47]

The cross section were checked in 3D view

The assessments were done two times and separately, one from the medial aspect of the joint surface as depicted as VOI in the image above and the other from the lesion, for the parameters of cartilage thickness, volume and attenuation. The sectioning, by microCT, was performed in the coronal fashion. The analysis for the medial aspect of the joint represented the averaged cartilage thickness, total volume and attenuation of the cartilage within the VOI. The ‘lesion’ area was determined as approximately half of the VOI that included most, if not the whole true lesion area. That is, some lesions were small
and within the half of the VOI while some were large and beyond the set margins. With this standardization, the data from the groups can be compared.

-Contributed by Dr. Mei-Shu Shih

VI. Translation of *Primer on the Metabolic Bone Disease and Disorders of Mineral Metabolism*

由邓伟民教授任编委会主任的团队, 和多达一百多为专家学者的共同努力, 骨矿盐失调和代谢性骨疾病基础一书的译作正式由人民卫生出版社出版了。骨矿盐疾病和代谢平衡的研究不再仅仅是一门学科的问题。随着现代医学的发展，它还包括了几乎所有的科学领域，譬如基因组学、生物力学、分子和细胞生物学、材料学、遗传学和影像学，以及社会环境相关的学科，譬如伦理学。此书包括了骨科学研究领域相关的基础和临床以及的基础研究的成果及最新的发展与展望，提供了一个兼具一定深度和高度的信息与资讯的平台。此书无异为中国的骨代谢疾病及相关领域的研究者和学生提供了一个既有扎实的基础，又有近期的研究成果的不可多得的参考书籍。读者对象不光是针对刚入门的学生，对资深的研究者都会有极大的帮助。

此书的原著是由美国骨矿盐研究学会多年来精心打造的骨科学研究的经典之作，也是该学会除了具有较高影响力的骨矿盐研究杂志出版的唯一的学术专著。前期版本的主编和副主编包括了多位该学会的前任主席。最新的第八版主编是Cliff Rosen教授，该书汇集了218余位专家学者精心贡献和编汇的共124个章节。这本书共包含了11个骨科学研究的领域，其中包括了细胞分子学和基因学基础、骨与肌肉生理学、骨矿盐调控和平衡，及代谢性骨疾病基础。此书的一大特点是基础与临床紧密相关，相关领域包括了骨质疏松症、骨矿盐失调疾病、癌症与骨病、硬化和不典型增生性骨病、口腔颌面生理和病理，以及骨矿盐物质电解质平衡与相关疾病的关系。该书还包括了骨质疏松症的诊断与管理，以及相关的国际标准。这些内容为广大学者与读者准确和系统地描述了现代医学在骨科学研究领域的基础、应用和发展。

骨代谢与骨伤科的研究在中国其实早就有了深入发展。早在古代就有了“肾主骨”的理论。骨伤科的发展也有相当的基础并在临床上有着广泛的应用。随着中国医学的发展并与国际的接轨，近十年来骨代谢疾病及其研究在中国有了长足的发展。进一步引进、消化和融合国际先进水准的研究方法和先进的科学理论可以进一步促进中国的骨科学的研究和发展。这可能也是此书出版的目的。

路漫漫其修远兮，吾将上下而求索。中国的骨矿盐失调和代谢性骨疾病研究已有了一个良好的开端。相信并希望此书的翻译出版能给国内的同行提供一个较好的参考平台，并进一步促进该学科的发展。此书为关注骨骼健康和相关疾病防治的读者和研究者提供了既包含了坚实基础又有更新的资讯的参考书。再次祝贺这一文献的出版，并让我们共同为中国骨科学研究和进一步发展作出贡献！

-钦逸仙（Yi-Xian Qin）于纽约
VII. Message from the Chair of ICMRS Education Committee

Dear ICMRS members,

I would like to express my sincere thanks to each of the members of ICMRS and the members of the Educational committee who contributed to this newsletter and make it possible. In particular, I would like to thank Dr. Minyi Hu for her outstanding job as the Executive Editor for this issue of the Newsletter.

The goal of this quarterly newsletter is to share the exciting news and events, progress from and related to our society, and to facilitate communication among ICMRS members. This is your newsletter and we are here to serve you, the ICMRS members!

In order to reach our goal, we appreciate your participation, contribution, and support, in particular with the following:

- Meeting information and progress
- News and updates from ICMRS collaborating centers and ICMRS-sponsored journals
- Members’ research highlights, which includes, but is not limited to: major publications of high scientific and/or social impact, reports from principal investigators, and/or grant awards.
- Member recognition and achievements
- Education opportunities and mentoring requests
- Job opportunities
- Any information that may be interesting and important to share among our members
- Any comments, suggestions, feedback regarding our service and the newsletter.

Please send this information to: herb.sun@einstein.yu.edu. You are welcome to contact us anytime. We look forward to hearing from you.

I would like to express my sincere thanks to the leadership and the ICMRS members for their support and contributions that have made this newsletter possible.

Sincerely,

Hui (Herb) B. Sun, PhD
Chair, ICMRS Education Committee