

International Chinese Hard Tissue Society (ICHTS)

2011 Election of ICHTS Officers

The International Chinese Hard Tissue Society calls for nominations of the following important Officers of the Board of Directors (BOD)

President-Elect (Chair of the Program Committee of ICHTS, 2011-2013)
Chair of Communication Committee of ICHTS (2011-2013)
Chair of Membership Committee of ICHTS (2011-2013)
Chair of China Development Committee (2011-2013)

This is the first election year of ICHTS Organization Restructuring and the Nomination Committee looks forward to your active participations. The ICHTS Organization Restructuring, which has been approved by the Board of Directors, will (1) enhance the efficiency, workload distribution, and responsibilities of BOD members, (2) provide opportunities for junior members for leadership positions, and (3) attract fresh and new members to ICHTS leadership. The key changes are (1) elected BOD officers, including President-Elect (Chair of Program Committee), Chair of Membership Committee, Chair of Communication Committee, and Chair of China Development Committee, in which these elected Officers will be automatically become BOD; (2) term limit for BOD members, basically maximal two consecutive terms; and (3) a dedicated BOD position for junior members (postdoctoral fellow or assistant professor, equivalent). All BOD members are expected to attend annual board meeting and annual ICHTS meeting (e.g., with ORS or ASBMR).

The brief duties of these elected positions/BOD are:

1. President-Elect (Chair of the Program Committee of ICHTS, 2011-2013): will assist President for the operation of the society, organize annual meetings, and overall planning for the society development. He/She will resume Presidency for the term of 2013-2015.
2. Chair of Communication Committee of ICHTS (2011-2013): will be responsible for enhancing new ICHTS website development, regular communication with members, and overall societal outreach.
3. Chair of Membership Committee of ICHTS (2011-2013): will be responsible for recruit new members, propose the feasibility of membership management and new registration mechanism, and attract young people joining the society.
4. Chair of China Development Committee (2011-2013): will be responsible for coordinating ICHTS Collaborative Centers, organizing societal workshops, symposiums and meeting in China, and liaison for overall China scientific development of the society.

Introduce the Candidates for Each Position

President-Elect (alphabetic order)

Xu Cao, Ph.D. Professor, Department of Orthopaedic Surgery
Co-Director, Center for Musculoskeletal Research
Johns Hopkins University, USA

Gang Li, Ph.D. Professor, School of Biomedical Sciences, and Department of
Orthopaedics and Traumatology
Head, Stem Cell Biology and Tissue Engineering
Chinese University of Hong Kong, Hong Kong, SAR, China

Membership Committee Chair (alphabetic order)

X. Neil Dong, Ph.D. Assistant Professor, Department of Health and Kinesiology,
University of Texas at Tyler

Ling Qin, Ph.D. Assistant Professor, Department of Orthopaedics,
University of Pennsylvania

China Development Committee

Tingting Tang, Ph.D. Professor and Director, Department of Orthopaedics, Shanghai
Ninth Hospital, Shanghai Jiaotong University, China

Communication Committee

James Wang, Ph.D. Associate Professor, Department of Orthopaedics, University of
Pittsburg

The CV and the Statement of each candidate are listed below.

Methods of Election

The election will be conducted through online system, Survey Monkey. ICHTS members registered **before August 1, 2011 are qualified to vote.**

Please return your **vote as soon as possible or by August 17, 2011.**

ICHTS 2011 Nomination Committee

Yi-Xian Qin, Chair

X. Edward Guo

Ling Qin (HK)

Xiaodu Wang

Hong Zhou

Brief CV for ICHTS 2011 Election

Xu Cao (曹旭), Ph.D.

Lee Riley Professor

Department of Orthopaedic Surgery, Johns Hopkins University

Co-Director, Center for Musculoskeletal Research,

Johns Hopkins University

Senior Associate Editor, JBMR

720 Rutland Avenue, Ross 229

Baltimore, MD 21205

E-mail: xcao11@jhmi.edu

Phone: 410-502-6440

Fax: 410-502-6414



I. Qualifications:

1978-82 B.S. Biology, Xinjiang University, Urumqi, China

1988-91 Ph.D. Chemistry and Biochemistry, University of South Carolina Columbia, SC, USA

1991-96 Postdoc. Washington University, Bone Biology, Saint Louise, MO, USA

II. Positions held:

1996-2000 Assistant Professor of Pathology, University of Alabama at Birmingham, Birmingham, AL

2000-2004 Associate Professor of Pathology, University of Alabama at Birmingham, Birmingham, AL

2004-2009 Professor of Pathology, University of Alabama at Birmingham, Birmingham, AL

2009-Present Lee Riley Professor, Orthopedic Surgery, Johns Hopkins University, Baltimore, MD

III. Research Work:

- Study molecular mechanism of the coupling of bone formation and bone resorption aimed to define therapeutic strategy for bone diseases.
- Study the mechanism which activates BMP/Smad signaling for bone formation
- Regulation of recruitment and differentiation of MSCs in bone development and diseases.

IV. Membership and Service

1992-present American Society for Bone and Mineral Research

1996-2009 Director, Human Bone Cells Core Facility, UAB

1997-2009 Member, Molecular & Cellular Pathology Graduate Student Recruiting Committee

1999-2009 Director, Basic Science Program, UAB Bone Center

2000-2008 Member, Molecular & Cellular Pathology Faculty Search Committee

2001-2009 Member, Center for Metabolic Bone Disease Steering Committee

Leader, Basic Science Committee, Center for Metabolic Bone Disease

2002-2009 Project Director, NIH P30 Bone Center Grant

2002-2003 Director of Molecular and Cellular Pathology, Search Committee

2002-2009 Member, Department of Pathology Robinson Chair Search Committee

2003-2007 Member, Comprehensive Cancer Center Breast SPORE Pilot Project Review Committee

2003-2009 Member, Molecular & Cellular Pathology Graduate Student Program Steering Committee
2004-present New York Academy of Sciences
2004-2005 President, Birmingham Chinese Association
2004-2008 Membership Development Committee, ASBMR
2004-2006 Member of Editorial Board: World Journal of Gastroenterology
2004-2008 Board of Directors, International Chinese Hard Tissue Society
2005-2008 Member of Editorial Board: Journal of Bone and Mineral Research
2008-present Senior Associate Editor: Journal of Bone and Mineral Research

V. Selected Publications (recent 5 out of 68)

Tang Y, Wu X, Lei W, Pang L, Wan C, Shi Z, Nagy T, Feng X, Peng X, Hu J, Wim Van Hul, Zhao L, Wan M, **Cao X**: TGF- β 1 Induces Migration of Bone Mesenchymal Stem cells to Couple Bone Resorption and Formation. *Nature Medicine*. 2009 15(7):757-65. This research article is highlighted with a commentary in the same issue of Nature Medicine.

Qiu T, Wu X, Zhang F, Clemens TL, Wan M, Cao X: TGF β Type II Receptor Phosphorylates PTH Receptor to Integrate Bone Remodeling Signaling During Co-Endocytosis. *Nature Cell Biol*. 2010 12(3):224-34. A commentary for this research article in *Nature Cell Biol*. 2010;12(3):205-7. PMID: 20190828.

Wu X, Pang L, Lei W, Lu W, Li L, Li, L, Frassica F, Chen X, Wan M and **Cao X**: Inhibition of Sca-1-Positive Skeletal Stem Cells Recruitment by Alendronate Blunts the Anabolic Effects of Parathyroid Hormone on Bone Remodeling. *Cell Stem Cell*. 2010, 7:571-580. The Featured Article of November Issue with a commentary. PMID: 21040899

Cao, X., Wu, X., Frassica, D., Yu, B., Pang L, Xian, L., Wan, M., Lei. W. , Tryggestad A., E., Wong, J., Wen, P., Lu, W., and Frassica, F., Irradiation Induces Bone Injury by Damaging Bone Marrow Microenvironment for Stem Cells. *PNAS*. 2011, 108(4) 1609–1614.

Wan M., Li J., Herbst K., Zhang J., Yu B., Wu X., Qiu T., Lei W., Lindvall C., Williams B., Ma H., Zhang F., **Cao X**. LRP6 Mediates GPCR-Induced cAMP Generation by Regulation of G α_s Membrane Targeting. *Science Signaling*. 2011, **4** (164), ra15.

VI. Invited lectures: Over 70 times (since 1993)

3 times ASBMR Annual Meeting Session Chair

VII. The current positions of previous supervised Ph.D students and postdoc fellows

There are 6 trainees from my lab who currently are tenured or tenure-track faculty in the US.

VIII. Honors and Awards:

1993 Merck Young Investigator Award (ASBMR)
1993 Sandoz Award (ASBMR)
1999 John Haddad Young Investigator Award (ASBMR)
2009 Top 10 most outstanding Chinese in Birmingham

IX. Research Funding

Research grants from the US NIH, US Army, Merck, Maryland Stem Cell Foundation, with annual direct expenditure of ~\$840,000.

Statement of Election for President-Elect of ICHTS

Xu Cao (曹旭)

July 01, 2011

I would like to be considered for election to be the President-Elect of the International Chinese Hard Tissue Society. It is truly an honor and privilege to be considered for this position. As a Chinese scientist and having been educated in China and US, I am determined to devote my life to scientific research and promotion bone and mineral tissue, and orthopaedic research and education in China and among Chinese-heritage scholars in the world. I have been actively volunteered for activities of ICHTS over the years. Specifically, I have served as a Board of Director and many sub-committees of ICHTS. I have attended most of the ICHTS meetings and gave two lectures. Last year, I have participated in the Leadership Retreat of ICHTS held in Shenzhen, China and have a much broad appreciation of the scope and mission of ICHTS. I have been collaborating with several orthopaedic research laboratories and providing training to their graduate students in my lab, sponsoring exchange scholar program for graduates and staffs from several China universities. If I get elected, I would like to team-worked with other ICHTS senior members and to contribute in the following areas:

- (1) Enhance scholar exchange between China universities and universities abroad and advance research and education program in China.
- (2) Promote information exchange between members with enhancement of ICHTS website function
- (3) Develop viable financial models for ICHTS, including web portal and targeted international conferences
- (4) Sponsor educational program and promote career development of young Chinese-heritage scholars

CURRICULUM VITAE OF DR. GANG LI
FOR ICHTS PRESIDENT-ELECT 2011 ELECTION

1. NAME: Gang LI (李刚, 不是“我爸是李刚”的那个李刚)

Prof. Gang Li, MBBS, D. Phil. (Oxon)

Professor, Department of Orthopaedics & Traumatology

Room 904, Li Ka Shing Institute of Health Sciences

The Chinese University of Hong Kong,

Prince of Wales Hospital, Shatin, Hong Kong, SAR, PR China

Tel: (852) 3763 6153 Fax: (852) 2646 3020

E-mail: gangli@ort.cuhk.edu.hk



2. QUALIFICATION:

MB BS (The Fourth Military Medical University, Xian, PR China, 1991).

D. Phil. (The University of Oxford, School of Medicine, England, UK, 1997).

3. APPOINTMENTS

2009.04-present: Chief, Stem Cell and Regeneration program, School of Biomedical Sciences; Professor, Department of Orthopaedics & Traumatology and Faculty of Medicine, CUHK.

1998-2009.04: Lecturer, Senior Lecturer and Reader, Department of Orthopaedic Surgery, School of Medicine, Queen's University Belfast, UK.

1997-1998: Postdoctoral Researcher, Nuffield Dept of Orthopaedic Surgery, University of Oxford, UK.

1991-1993: Surgeon, The General Hospital of PLA (301), Beijing, China.

4. RESEARCH INTERESTS

Distraction osteogenesis techniques and clinical applications; Stem cell biology and the use of MSCs as anti-cancer vehicles; Circulating MSCs; cartilage and fracture repair biology.

5. PUBLICATIONS

Book chapters (7); No. of publications in peer-reviewed SCI indexed journals (70); No. of publication in conference proceedings (over 200).

5 representative publications in recent five years (as last and corresponding author)

1. Song C, Xiang J, Tang JQ, Hirst D, Zhou JW, Chan KM, Li G. Thymidine kinase gene modified bone marrow mesenchymal stem cells as vehicles for anti-tumor therapy. *Human Gene Therapy*, 2011; 22(4):439-49.
2. Xiang J, Tang JQ, Song C, Zhao L, Yang ZQ, Hirst DG, Li G. Mesenchymal stem cells as a gene therapy carrier for treatment of fibrosarcoma. *Cytotherapy*, 2009; 26:1-11.
3. He Q, Wan C, Li G. Multi-potent mesenchymal stromal cells in blood. *Stem Cells*; 2007; 25:69-77.

4. Chen X, Xu H, Wan C, McCaigue M, **Li G**. Bioreactor expansion of human adult bone marrow-derived mesenchymal stem cells (MSCs). *Stem Cells*; 2006; 24: 2052-2059.
5. Chen X, McClurg A, Zhou GQ, McCaigue M, Armstrong MA, **Li G**. Chondrogenic-differentiation rectifies the immunosuppressive property of bone marrow-derived MSCs and the effect is partially due to the up-regulated expression of B7 molecules. *Stem Cells*; 2007; 25:364-370.

5 representative publications beyond five years (as first or corresponding author)

1. Shirley D, Marsh D, Jordan G, McQuaid S, **Li G**. Systemic recruitment of osteoblastic cells in fracture healing. *Journal of Orthopaedic Research*, 2005; 23 (5): 1013-21.
2. Murnaghan M, Mcilmurray L, Mushipe M, **Li G**. Time for treating bone fracture using rhBMP-2: A randomized placebo controlled mouse fracture trial. *Journal of Orthopaedic Research*, 2005; 23 (3): 625-631.
3. **Li G**, Dickson G, Marsh D, H Simpson. Rapid new bone tissue remodeling during distraction osteogenesis is associated with apoptosis. *Journal of Orthopaedic Research*, 2003; 21:28-35.
4. **Li G**, Boussein ML, Luppen C, Li XJ, Wood M, Seeherman HJ, Wozney JM, Simpson H. Bone consolidation is enhanced by rhBMP-2 in a rabbit model of distraction osteogenesis. *Journal of Orthopaedic Research*, 2002, 20: 779-788.
5. **Li G**, White G, Connolly C, Marsh D. Cell proliferation and apoptosis during fracture healing. *Journal of Bone and Mineral Research*, 2002; 17: 791-799.

6. NUMBER OF POSTGRADUATES STUDENTS SUPERVISED

Postdoctoral RA 5; PhD 16; MD 5; MPhil 2; Total: 28. Grant Income in the UK (1998-2008): Over GBP 2.2 millions; Grant income in the CUHK since 2008: Over HK\$8.0 million as PI.

7. PROFESSIONAL POSITIONS

- 2002-2011: Board of Directors, International Chinese Hard Tissue Society.
- 2004-2007: Honorary Treasurer, British Orthopaedic Research Society
- 2006-2007: Member of Programme Committee, American Orthopaedic Research Society.
- 2004-present Member of Editorial Board, *Calcified Tissue International*
- 2005-present Member of Editorial Board, *Journal of Orthopaedic Surgery and Research*
- 2006-present Visiting Professor at Sichuan University, Jilin University, China Medical University, Southeast University, The Forth Military Medical University and Shenzhen University, PR China.

Statement of Election for President-Elect of ICHTS

Gang Li (李刚) July 18, 2011

The ICHTS was established in 1994 with handful Chinese scientists in Sun Valley, Idaho, USA. At the beginning it was like a club for “old friends” and the society was nothing comparable to the society today. Thanks for the dedication of many hard working earlier members of ICHTS, our society has survived its infancy, and has approaching its 17th birthday. I joined ICHTS in 1998 and I witnessed our society’s rapid growth over the last 13 years. I was lucky and privileged to work with and become personal friend of all the past presidents of our society. From the early time working in a basement with Dr. Li Xiaojian (3rd president) at his home in Boston; worrying about our society finance with Dr. Mei-Shu Shi (1st president), Prof. Webster Jee (2nd president) and Dr. David Ke (4th President) in Sun Valley; organizing the board member election and Webster Jee Awards with Dr. Darren Ji (5th president); Prof. Di Chen (6th president) and Prof. Yi-Xian Qin (7th president); to the recent wonderful ICHTS-CORS workshop and ICHTS retreatment at Shezhen Golf resort with Prof. Qin Ling (8th president) and Prof. Edward Guo (9th President); I am so honored to be part of our society’s history. I served as Chairman of Nomination Committee from 2002-2008 for 6 years under 4 presidents (D Ke, D Ji, D Chen and YX Qin) I was responsible for organizing election of BOD members and selection of Webster Jee award winners every year during 2003-2008.

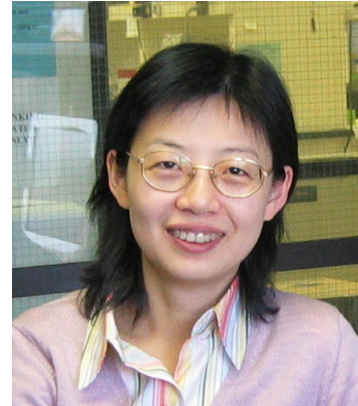
As a Chinese scientist living and working in the UK for more 16 years, I deeply understand how important it was to have our own network of supporting and friendship through the ICHTS; and I have benefited a great deal personally through the ICHTS network. Over the last 10 years or so, I have been actively involved in the development of our society with many wonderful leaders, and I believe that I have gained sufficient insight knowledge to serve our society. I would like to be considered for President-Elect of the ICHTS for 2011. It is truly an honor and privilege to be considered for this position and I regard this will be a continuation of my service to our beloved society - ICHTS. If I have the privilege of being elected, I would like to continue to team-work with other ICHTS members, especially BOD Chairman and members and past-presidents to contribute in the following areas:

- (1) Consolidate the development of ICHTS into a broad mainstream organization in musculoskeletal research in China and world-wide.
- (2) Continue to prefect the web based networking/communication initiatives promoted by our new president Prof. Edward Guo.
- (3) Establish stable and viable financial incomes for ICHTS, including supports from industry sponsors, organizing yearly society meetings and regional workshops.
- (4) To organize a celebration for ICHTS 20th years birthday (2014) in the form of First ICHTS International Conference.

Curriculum Vitae

Ling Qin, Ph.D.

Assistant Professor
Department of Orthopaedic Surgery
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Philadelphia, PA 19104
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qinling@mail.med.upenn.edu



Education

- 1992 BS in Bioscience and Technology, Shanghai Jiao Tong University, Shanghai, China.
2001 Ph.D. in Biochemistry, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ, USA.

Research

Bone remodeling, endochondral ossification, cancer bone metastasis, mesenchymal stem cell biology, and signal transduction.

Positions and Employments

- 1992-1995 Research Scientist, Shanghai Institute of Biochemistry, Academia Sinica, Shanghai, China.
2001-2004 Research and Teaching Specialist III, Department of Physiology and Biophysics, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.
2004-2005 Research Associate II, Department of Physiology and Biophysics, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.
2005-2006 Instructor, Department of Physiology and Biophysics, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.
2006-2008 Research Assistant Professor, Department of Physiology and Biophysics, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ.
2009- Assistant Professor, Department of Orthopaedic Surgery, School of Medicine, University of Pennsylvania, Philadelphia, PA.

Other Experience and Professional Memberships

- 1998-2001 Member, American Society for Microbiology
1998- Member, Sino-American Pharmaceutical Professionals Association
2000- Member, American Association for the Advancement of Science
2001- Member, American Society for Bone and Mineral Research
2002-2008 Member, NJ Bone and Cartilage Association

- 2006-2008 Member, The Cancer Institute of New Jersey
2008- Chair of Membership Committee, International Chinese Hard Tissue Society
2010- Member, the Graduate Group in Cell and Molecular Biology, School of Medicine, University of Pennsylvania
2010- Member, Abramson Cancer Center, University of Pennsylvania

Honors

- 2002 Young Investigator Award, 25th Annual Meeting of the American Society for Bone and Mineral Research, Minneapolis, MN
2003 Research Achievement Award, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ
2004 Young Investigator Travel Grant, Advances in Skeletal Anabolic Agents for the Treatment of Osteoporosis, Bethesda, MD
2004 Dean's Award, UMDNJ-Robert Wood Johnson Medical School, Piscataway, NJ
2010 Alice L. Jee Memorial Young Investigator Award, 40th International Sun Valley Workshop on Skeletal Tissue Biology, Sun Valley, Idaho

Publications

4 book chapters and 26 peer-reviewed articles.

Invited Lectures

21 times.

Research Funding

Research grants from NIH, State of NJ, Susan G Komen Breast Cancer Foundation, National Osteoporosis Foundation.

Statement of 2011 Election for the Chair of the Membership Committee

Ling Qin

Department of Orthopaedic Surgery, University of Pennsylvania

It is my honor to be nominated as a candidate for the Chair of the Membership Committee of International Chinese Hard Tissue Society (ICHTS). I have been a member of ICHTS for 7 years and have actively participated society's activities for more than 3 years. Specifically, I am the Chair of the Membership Committee in the term of 2009-2011. During this period, I organized a first time membership survey to collect professional information about our society's active members, which is extremely valuable for the leadership of our society to make decisions that benefit all our members. Under the recommendation of the Board of Directors, I set up a new category of membership, Lifetime Member, to promote a long-term commitment of our honored members to the development and mission of our society. Last year, I attended the Leadership Retreat of ICHTS at Shenzhen, China. I had a great opportunity to interact with the senior leadership and gained a much broader view of the scope and mission of ICHTS.

As we all witness, ICHTS has been growing rapidly in the past few years as more and more Chinese-heritage scholars join the research in the skeletal and related fields. If I am given the honor to serve as the Chair of the Membership Committee in the next term, I will continue working diligently to serve the ICHTS community by providing regular and lifetime membership services, promoting recruitment of new members, and coordinating with other committees to achieve goals set by ICHTS. In addition, I will communicate with senior members to make it a priority to promote the career development of our junior members by offering a variety of opportunities and resources. I believe that our society can only be stronger and more influential when more and more members become the scientific leaders in academy, industry and government.

Brief CV for ICHTS 2011-2013 Election

X. Neil Dong (董轩亮), Ph.D.
Assistant Professor
Department of Health and Kinesiology
The University of Texas at Tyler
3900 University Blvd
Tyler, Texas 75799
USA
E-mail: ndong@uttyler.edu
Phone: 903-565-5615



I. Qualifications:

- 1989-1993 **B.S.** in Mechanical Engineering, Huazhong University of Science and Technology, Wuhan, Hubei, P. R. China
- 1993-1996 **M.S.** in Engineering Mechanics, Tsinghua University, Beijing, P. R. China
- 1996-1997 Doctoral Graduate Study in Mechanical Engineering, Auburn University, Auburn, Alabama
- 1997-2002 **Ph.D.** in Mechanical Engineering, Columbia University, New York, New York

II. Positions:

- 1993-1996 Graduate Research Assistant, Department of Engineering Mechanics, Tsinghua University, Beijing, P. R. China
- 1996-1997 Graduate Teaching Assistant, Department of Mechanical Engineering, Auburn University, Auburn, Alabama
- 1997-2002 Graduate Research Assistant, Bone Bioengineering Laboratory, Department of Biomedical Engineering, Columbia University, New York, New York
- 2002-2004 Postdoctoral Research Fellow, Bone and Joint Center, Henry Ford Health System, Detroit, Michigan
- 2004-2006 Visiting Research Scholar, Department of Orthopaedic Surgery, University of California at Davis School of Medicine, Sacramento, California
- 2007-2010 Research Assistant Professor, Department of Mechanical Engineering, The University of Texas at San Antonio, San Antonio, Texas
- 2010-Present Assistant Professor, Department of Health and Kinesiology, The University of Texas at Tyler, Tyler, Texas

III. Research Work:

- Research area: Bone mechanics, Osteoporosis, Stress fractures, Sports biomechanics, and Occupational biomechanics

IV. Membership and Service

- 2000 Member, Orthopaedic Research Society

2001 Member, American Society of Mechanical Engineers
2003 Member, Sigma Xi, the Scientific Research Society
2011 Member, International Chinese Hard Tissue Society
2011 Member, Texas American College of Sports Medicine

V. Publications

- (1) 1 book and 2 book chapters
- (2) 27 journal papers
- (3) 44 conference abstracts

VI. Invited lectures: Over 10 times

VII. Co-supervised graduate students

- M.S. students 4
- Ph.D. students 1

VIII. Honors and Awards:

- 1995 New Investigator Presentation Award, Annual Meeting of Chinese Biomedical Engineering Society, Beijing, China
- 1998 National Science and Technology Achievement, the Ministry of Science and Technology, Beijing, China

IX. Research Funding

Research grants from the US National Institutes Health, US National Science Foundation, US National Institute of Occupational Safety and Health.

Statement of Election for Chair of Membership Committee of ICHTS (2011-2013)

Xuanliang Neil Dong (董轩亮)

July 29, 2011

I would like to be considered for election as the Chair of Membership Committee of the International Chinese Hard Tissue Society. I am really honored to be nominated for such a position. In the past couple of years, I have been volunteering for activities of ICHTS. In particular, I have attended the ICHTS pre-conferences at the Annual Meetings of Orthopaedic Research Society and helped to maintain the sign-up sheet and recruit new members. In addition, I am also serving on the Program Committee of ICHTS to help Dr. Xiaodu Wang to organize the incoming ASBMR-ICHTS membership meeting at San Diego on September 18, 2011. If I have the privilege of serving the Membership Committee Chair, I would like to work with senior members of ICHTS and to contribute to the following areas:

- (1) Encourage young people (i.e., students and postdoctoral fellows) to join the International Chinese Hard Tissue Society by advertising and promoting ICHTS membership meeting at the Annual Meetings of Orthopaedic Research Society and American Society of Bone and Mineral Research.
- (2) Enhance membership management and registration process by team-working with Communication Committee of ICHTS to develop a more dynamic website for ICHTS.

Brief CV for 2011 Election

Ting-ting TANG, Doctorate of Medicine

Appointments: Professor and Director, Shanghai Key
Laboratory of Orthopaedic Implant,
Associate Chairman of Department of
Orthopaedic Surgery, Shanghai Ninth
People's
Hospital, Shanghai Jiaotong University
School of
medicine



Mail Address: Department of Orthopaedic Surgery,
Shanghai Ninth People's Hospital, 639
Zhizaoju Road, Shanghai, 200011, PRC

Office Phone: 0086-21-23271133

Fax: 0086-21-63137020

e-mail: tingtingtang@hotmail.com

Sex: Male

Educational Background

Sept., 1993—July, 1996 Shanghai Second Medical University
Doctorate of Medicine, Specialty: Orthopaedics

Sept., 1990—July, 1993 Heilongjiang College of Traditional Chinese Medicine
Master of Medicine, Specialty: Orthopaedics

Sept., 1983—July, 1988 Anhui College of Traditional Chinese Medicine
Bachelor of Medicine

Special Honors and Awards

- Supported by the the New Century National Hundred, Thousand and Ten Thousand Talent Project, 2009
- The Second Prize of Shanghai Science and Technology Progress Award in 2008. Principal Investigator
- Supported by the Program for New Century Excellent Talents in Universityies, funded by Ministry of Education of the People's Republic of China, 2006
- Supported by the Training program for young talents, Shanghai Shuguang Program funded by the Shanghai Municipal Education Commission, 2005
- Outstanding Young Investigator Award, Healthstar Osteoporosis Medical-research Award(HOMA), 2005
- The Second Prize of Shanghai Science and Technology Progress Award in 2003. Principal Investigator
- The Second Prize of Shanghai Science and Technology Progress Award in 2001. Principal Investigator
- Supported by the Training program for young talents, the Shanghai Rising-Star Program funded by the Shanghai Science and Technology Commission, 1999

Professional Memberships

- Member of board of directors, Chair of the china development committee of International Chinese Hard Tissue Society (11/2010-11/2013)
- Young Member, Chinese Orthopaedic Society(4/2009-)
- Editorial Board Member, Chinese Journal of Traumatology(English edition)(2008-)
- Editorial Board Member, Chinese Journal of Biomedical Engineering(2008-)
- Member of board of directors, International Chinese Hard Tissue Society(9/2007-9/2010)
- Editorial Board Member, International Journal Of Orthopaedics(2007-)
- Member, Biomechanics Committee affiliated to the Chinese Society of Biomedical Engineering and the Chinese Society of Theoretical and Applied Mechanics (2007-)
- Member, Orthopaedic Research Committee of Chinese Orthopaedic Society (2006-)
- Member, Osteoporosis Committee of Chinese Orthopaedic Society (2006-)
- Editorial Board Member, Chinese Journal of Osteoporosis(2006-)
- Standing Committee Member, Chinese Association of Bone Tissue bank (2005-)
- Editorial Board Member, Journal of Medical Biomechanics(2003-)

Publications: 2 Theses, 11 Book chapters, 49 journal papers in English and over 150 journal papers in Chinese

Selected peer-reviewed papers:

1. Peng ZX, Tu B, Shen Y, Du L, Wang L, Guo SR, **Tang TT***. Quaternized chitosan inhibits icaA transcription and biofilm formation by Staphylococcus on a titanium surface. *Antimicrob Agents Chemother.* 2011 Feb;55(2):860-6 2010
2. Wang L, Xu X, Guo S, Peng Z, **Tang T***. Novel water soluble phosphonium chitosan derivatives: synthesis, characterization and cytotoxicity studies. *Int J Biol Macromol.* 2011 Mar 1;48(2):375-80
3. Zhen-yu Bian, Qi-ming Fan, Gang Li; Wen-ting Xu, **Ting-ting Tang***. Human MSCs Promote Growth of Osteosarcoma: the Involvement of Interleukin-6 in the Interaction Between hMSCs and Saos-2 Cells. *Cancer Science:* 2010; 101: 2554–2560
4. Li Maoqiang, Zhu Zhenan, Liu Fengxiang, Wang Gang, Mao Yuanqing, Liu Ming, Zhao Xin, **Tang Tingting**. Enhancement of osteoblast differentiation that is inhibited by titanium particles through inactivation of NFATc1 by VIVIT peptide. *Journal of Biomedical Materials Research Part A.* published online: 19 AUG 2010
5. Li J, Song Y, Zhang S, Zhao C, Zhang F, Zhang X, Cao L, Fan Q, **Tang T***. In vitro responses of human bone marrow stromal cells to a fluoridated hydroxyapatite coated biodegradable Mg-Zn alloy. *Biomaterials.* 2010 Aug;31(22):5782-8
6. Xie XH, Yu XW, Zeng SX, Du RL, Hu YH, Yuan Z, Lu EY, Dai KR, **Tang TT***. Enhanced osteointegration of orthopaedic implant gradient coating composed of bioactive glass and nanohydroxyapatite. *J Mater Sci Mater Med.* 2010 Jul;21(7):2165-73
7. Zhao-Xiang Peng, Ling Wang, Lin Du, Sheng-Rong Guo, Xiao-Qing Wang, **Ting-Ting Tang***. Adjustment of the antibacterial activity and biocompatibility of hydroxypropyltrimethyl ammonium chloride chitosan by varying the degree of

substitution of quaternary ammonium. *Carbohydrate Polymers* 2010, 81(2) : 275-283

8. Yan MN, Dai KR, **Tang TT**, Zhu ZA, Lou JR. Reconstruction of peri-implant bone defects using impacted bone allograft and BMP-2 gene-modified bone marrow stromal cells. *J Biomed Mater Res A*. 2010 Apr;93(1):304-13.
9. Huang Y, Jin X, Zhang X, Sun H, Tu J, **Tang T**, Chang J, Dai K. In vitro and in vivo evaluation of akermanite bioceramics for bone regeneration. *Biomaterials*. 2009 Oct;30(28):5041-8.
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Statement for 2011 Election

I would like to be considered for election to be the Chair of the China Development Committee of International Chinese Hard Tissue Society. In the past few years, as a member of Board of Directors and China Development Committee of ICHTS, I have actively organized and participated various academic activities held and co-organized by ICHTS in Chinese mainland, which have encouraged the academic promotion and exchange by ICHTS in China. Our Collaborating Orthopaedic Translating Research Center, along with other ICHTS collaborating centers in China, had provided new platforms for the project cooperation between local scientists and ICHTS. In the next few years, Chinese mainland is expected to become the key area for ICHTS development, so I think the China development committee could do more work to attract more scientists and orthopaedic surgeons to join ICHTS, to promote the exchange and cooperation between ICHTS and Chinese scientists, to organize and/or co-organize professional and educational activities, and to improve the Chinese scientists' competitiveness and their career development locally and internationally.

Brief CV for ICHTS 2011 Chair of Communication Committee Election

James H-C. Wang (王惠聰), Ph.D.
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Bioengineering, Mechanical Engineering and Materials Science,
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I. QUALIFICATIONS

- 1978-1982 **B.S.** in Solid Mechanics, Department of Engineering Mechanics, Tongji University, Shanghai, P. R. China.
- 1985-1989 **M.S.** in Experimental Mechanics/Biomechanics, Department of Engineering Mechanics, Tongji University, Shanghai, P.R. China.
- 1992-1996 **Ph.D.** in Bioengineering, University of Cincinnati, Cincinnati, OH, USA.
- 1991-1992 Research Fellowship in Orthopaedic Biomechanics Lab, Texas Tech University Health Science Center, El Paso, TX, USA
- 1996-1997 Postdoctoral Research in Biomedical Engineering, Johns Hopkins Medical School, Baltimore, MD, USA.
- 1997-1998 Postdoctoral Research in Biomedical Engineering, Washington University St. Louis, MO, USA.

II. POSITIONS HELD

- 2008-present Tenured Associate Professor, Department of Orthopaedic Surgery University of Pittsburgh School of Medicine.
- 2005-2008 Associate Professor, Department of Orthopaedic Surgery University of Pittsburgh School of Medicine.
- 2005-present Associate Professor (secondary), Department of Bioengineering Department of Mechanical Engineering and Materials Science University of Pittsburgh School of Engineering.
- 2007-present Associate Professor (secondary), Department of Physical Medicine and Rehabilitation University of Pittsburgh School of Medicine.
- 2000-2005 Assistant Professor, Departments of Orthopaedic Surgery, Bioengineering, and Mechanical Engineering, University of Pittsburgh
- 1998-1999 Research Assistant Professor, Department of Orthopaedic Surgery University of Pittsburgh School of Medicine
- 1992-1996 Graduate Research Assistant, Noyes-Giannestras Biomechanics Lab, and Cell & Molecular Biology Lab Departments of Aerospace & Engineering Mechanics, and Cell & Molecular Biology, University of Cincinnati.
- 1988-1991 Instructor, Department of Engineering Mechanics, Tongji University, Shanghai, P.R. China.
- 1985-1988 Research Associate, Experimental Mechanics Lab, Department of Engineering Mechanics Tongji University, Shanghai, P.R. China.
- 1982-1988 Assistant Instructor, Division of Theoretic Mechanics, Department of Engineering Mechanics Tongji University, Shanghai, P.R. China.

III. RESEARCH WORK

- Tendon/ligament stem cell mechanobiology
- Pathogenic mechanisms of tendinopathy
- Functional tissue engineering for repair of injured tendons and ligaments
- Development and application of bio-technologies for cell mechanobiology studies

IV. MEMBERSHIP AND SERVICE

1996-present The Society for Physical Regulation in Biology and Medicine (SPRBM)

1996-present Biomedical Engineering Society

2002-present Orthopaedic Research Society

2004-present Tissue Engineering Society International

- NIH Special Emphasis Panel/Scientific Review Group (Fellowships: Physiology and Pathobiology of Musculoskeletal, Oral, and Skin Systems (F10B), 2010.
- NIH Review Panel for the Diversity Fellowships (ZRG1 CVRS-S), 2009.
- NIH Review Panel for the Bioengineering Sciences & Technologies IRG, 2009.
- NIH Review Panel for the GO Grant Applications, 2009.
- National Science Foundation (NSF) Review Panel on “Biomaterials for scaffolding materials,” 2007.
- Arthritis Foundation Biomechanics/Technology Study Section Member, 2005-2009.
- National Science Foundation (NSF) Review Panel on “Nano and Bio Mechanics Program,” 2008.
- NIH Review Panel for “Special Emphasis Panel on Musculoskeletal Tissue Engineering,” 2008.
- NIH Review Panel for “Bioengineering Sciences & Technologies IRG,” 2008.
- NIH Review Panel on “Enabling Technologies for Tissue Engineering and Regenerative Medicine,” 2007.
- NIH Special Review Committee for R21 Grants, 2004.
- NIH Neuro-Bioengineering Study Section, 2004.
- NIH Tissue Engineering Study Section, 2003.
- President of the Society for Physical Regulation in Biology and Medicine (SPRBM), 2008-2009.
- President-Elect of SPRBM, 2007-2008.
- Program Chair for the 25th SPRBM Meeting, Hawaii, USA, 2007.
- Council in Physical Science for the SPRBM, 2006-2008.
- Chair for the session of Stem Cells and Regenerative Medicine, SPRBM Meeting, Tucson, USA, 2010.
- Chair for the session of the Biomaterials and Tissue Engineering, SPRBM Meeting, Hawaii, USA, 2009.
- Chair for the session of Tendinopathy, the ISL& –IX, Las Vegas, USA, 2009.
- Organizer and Co-Chair for the session of Forces at Cellular and Molecular Levels, BMES Meeting, Pittsburgh, USA, 2009.
- Organizer and Chair for the “Cellular Biomechanics and Tissue Engineering” Session for the 16th International Conference on Mechanics in Medicine and Biology, Pittsburgh, USA, 2008.
- Organizer and Chair for the Orthopedic Soft Tissue Biomech Session, BMES Meeting, LA, USA, 2007.
- Organizer and Chair for the Computational Biomechanics and Engineering Symposium in APCOM'07-EPMESC XI Congresses, Kyoto, Japan, 2007.
- Organizer and Chair of the Symposium of Soft Tissue and Cell Mechanobiology, Chongqing, China, 2005.
- Editorial Board Member for Journal of Musculoskeletal Research, 2008-present.
- Board of Editorial Consultants for Journal of Biomechanics, 2007-present.
- Board of Editorial Consultants for SMARTT Journal, 2009-present.
- Editorial Consultant for Journal of Medical Biomechanics (Chinese), 2007-present.

- Guest Editor for Molecular and Cellular Biomechanics (MCB), 2006.
- Reviewer for 45+ journals, including Aging Cell, PNAS, JOB, and JOR.

V. PUBLICATIONS

- 3 theses
- 14 book chapters
- 80 journal papers
- 175 conference abstracts

VI. INVITED LECTURES

- International: 55 times
- Domestic: 40 times

VII. SUPERVISED/CO-SUPERVISED FELLOWS AND STUDENTS

- 25 research/postdoctoral fellows
- 15 graduate students
- 5 medical students
- 41 undergraduate students

VIII. HONORS AND AWARDS

- President of the Society for Physical Regulation in Biology and Medicine, 2008-2009.
- Hulda Irene Duggan Arthritis Investigator, 2001- 2007.
- Whitaker Graduate Student Award, 1995.
- Award of Excellent Master Thesis, 1989.

Statement for Election to Chair of Communication Committee of ICHTS

James H-C. Wang

August 10, 2011

I am interested in being considered for election to the Chair of Communication Committee of the International Chinese Hard Tissue Society (ICHTS). Here are some reasons why I am so motivated:

As a Chinese native who spent 30 years of life in China, I am motivated to promote the Chinese community of the world in research, education, and advancement of orthopaedic biomechanics and medicine.

As a formal President of the Society for Physical Regulation in Biology and Medicine, I have the necessary work experience to play a leadership role in ICHTS.

I have a broad academic scope in engineering, orthopaedic biomechanics, tissue engineering, and mechanobiology, which will allow me to effectively communicate with ICHTS members from diverse backgrounds.

In addition to my desire to serve on the Communication Committee, I have actively participated in various activities of ICHTS, including annual meetings: Eastern Forum Meeting 2008 (Shanghai), International Symposium of Bone and Joint 2009 (Taiwan), and Orthopaedic Biomechanics Workshop 2010 (Shanghai). In addition, I have a deep understanding of ICHTS interests through frequent communication with the society's leaders, including Dr. Ed Guo, Dr. Yi-Xian Qin, Dr. Ling Qin, and Dr. Xiaodu Wang, regarding the promotion of ICHTS in the United States and China.

If I have the privilege of serving as the Chair of Communication Committee, I will contribute to the continuing growth and expansion of ICHTS.