DESCRIPTION

The Journal of Orthopaedic Translation (JOT) is the official peer-reviewed, open access journal of the Chinese Speaking Orthopaedic Society (CSOS) and the International Chinese Musculoskeletal Research Society (ICMRS). It is published bimonthly, in January, March, May, July, September and November, by Elsevier.

The Journal focuses on the rapidly growing field of orthopaedic translational research. While there are a number of high quality orthopaedic journals, none are solely dedicated to the field of orthopaedic translational research. The importance of translational research is quickly being recognized by all spectrums of the scientific community, from clinicians to basic science researchers. To truly improve the health of people, scientific research on the cellular and molecular level must be utilized and applied appropriately in the clinical setting. A journal that is purely dedicated to the art of translational research is a monumental step in the advancement of musculoskeletal care by bringing cutting edge knowledge to the forefront and allowing pioneers of orthopaedic translation to exchange and mutually enhance expertise. JOT aims to be that linking factor and welcomes high quality manuscripts that will advance the field of orthopaedic translation.

JOT is devoted to research and issues of strong interest in translational medicine on musculoskeletal and related themes. Material that are considered include any original research findings, discussions or analyses that will move the field closer to the goal of improving musculoskeletal health, diagnosis, prevention, and treatment of musculoskeletal disorders or injuries. Multidisciplinary approaches are particularly encouraged. We accept original research papers, review articles, editorials, perspectives, case reports and letters to the Editor.

The main goal of JOT is to publish papers that identify and fill scientific knowledge gaps at the junction of basic research and clinical application (from bench to bedside) or community application (from bench to community). In this vein, original research should report significant progress toward the prevention, diagnosis, and treatment of musculoskeletal disorders and serve as templates for future exploration and investments in translational orthopaedics.

Original papers are categorized into the following topics: Animal models Biomaterials Biophysical stimulation Clinical trials Diagnostics Health promotion Industries and markets Medical devices and implants Nutrition and drugs Regenerative medicine Regulations and policies Rehabilitation

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<table>
<thead>
<tr>
<th>Author Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yubo Fan</td>
<td>Beihang University Advanced Innovation Center for Biomedical Engineering, Beijing, China</td>
</tr>
<tr>
<td>Jürg Andreas Gasser</td>
<td>Novartis Institutes for BioMedical Research Department of Musculoskeletal Diseases, Basel, Switzerland</td>
</tr>
<tr>
<td>Claus-Christian Glüer</td>
<td>University Hospital Schleswig-Holstein Campus Kiel Molecular Imaging North Competence Center, Kiel, Germany</td>
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<td>James C.H. Goh</td>
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<td>Xiaohua Jiang</td>
<td>University Hospital Orthopaedics Hand and Reconstructive Microsurgery Cluster, Singapore, Singapore</td>
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<td>John Yebin Jiang</td>
<td>University of Michigan Department of Radiology, Ann Arbor, Michigan, United States of America</td>
</tr>
<tr>
<td>Qing Jiang</td>
<td>Nanjing University Medical School Affiliated Nanjing Drum Tower Hospital Department of Orthopedics, Nanjing, China</td>
</tr>
<tr>
<td>Xiaohua Jiang</td>
<td>The Chinese University of Hong Kong, School of Biomedical Sciences, Faculty of Medicine, Hong Kong</td>
</tr>
<tr>
<td>Zhongmin Jin</td>
<td>University of Leeds, Leeds, United Kingdom</td>
</tr>
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<td>David Hua-zhu Ke</td>
<td>The University of Utah Department of Radiology and Imaging Sciences, Salt Lake City, Utah, United States of America</td>
</tr>
<tr>
<td>Charles James Kirkpatrick</td>
<td>University of Mainz Institute of Pathology, Mainz, Germany</td>
</tr>
<tr>
<td>Timothy Kwok</td>
<td>The Chinese University of Hong Kong Developmental and Regenerative Biology Thematic Research Program, Hong Kong, Hong Kong</td>
</tr>
<tr>
<td>Yuxiao Lai</td>
<td>Shenzhen Institute of Advanced Technology Chinese Academy of Sciences Centre for Translational Medicine Research and Development, Shenzhen, China</td>
</tr>
<tr>
<td>Wan-Ju Li</td>
<td>University of Wisconsin Madison, Madison, Wisconsin, United States of America</td>
</tr>
<tr>
<td>Yi-ping Li</td>
<td>The University of Alabama at Birmingham, Birmingham, Alabama, United States of America</td>
</tr>
<tr>
<td>Zong-Ming</td>
<td>Cleveland Clinic, Cleveland, Ohio, United States of America</td>
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<td>Chang-sheng Liu</td>
<td>East China University of Science and Technology, Shanghai, China</td>
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<tr>
<td>Zhuoqing Luo</td>
<td>Xijing Hospital, Xian, China</td>
</tr>
<tr>
<td>Arthur Fuk-Tat Mak</td>
<td>Stem Cell and Regeneration Program, School of Biomedical Sciences, The Chinese University of Hong Kong, Hong Kong, Hong Kong</td>
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<td>Jeremy Jian Mao</td>
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<td>Kyushu University Graduate School of Medical Science Department of Orthopaedic Surgery, Fukuoka, Japan</td>
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<td>Hong-wei Ouyang</td>
<td>Zhejiang University Center for Stem Cell and Regenerative Medicine, Hangzhou, Zhejiang, China</td>
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<td>Haobo Pan</td>
<td>Chinese Academy of Sciences Institute of Biomedicine and Biotechnology, Shenzhen, China</td>
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<td>Wilfred C.G. Peh</td>
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<td>Jianguo Peng</td>
<td>Chinese PLA General Hospital Department of Orthopaedics, Beijing, China</td>
</tr>
<tr>
<td>Yi-Xian Qin</td>
<td>Stony Brook University Department of Biomedical Engineering, Stony Brook, New York, United States of America</td>
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<tr>
<td>Christer G. Rolf</td>
<td>Karolinska Institute Orthopaedics Research Group, Stockholm, Sweden</td>
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<tr>
<td>Peng Shang</td>
<td>Research and Development Institute of Northwestern Polytechnical University in Shenzhen, Shenzhen, China</td>
</tr>
<tr>
<td>Jie Shen</td>
<td>Washington University in St Louis Department of Orthopaedic Surgery, Saint Louis, Missouri, United States of America</td>
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<td>Mark P. Staiger</td>
<td>University of Canterbury, Christchurch, New Zealand</td>
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<td>Wei Sun</td>
<td>Drexel University Biofabrication Laboratory, Philadelphia, Pennsylvania, United States of America</td>
</tr>
<tr>
<td>Yu-long Sun</td>
<td>Shenzhen Institutes of Advanced Technology Chinese Academy of Sciences, Shenzhen, China</td>
</tr>
<tr>
<td>Michiaki Takagi</td>
<td>Yamagata University Faculty of Medicine Graduate School of Medical Science, Yamagata, Japan</td>
</tr>
<tr>
<td>Chao Wan</td>
<td>The Chinese University of Hong Kong Developmental and Regenerative Biology Thematic Research Program, Hong Kong, Hong Kong</td>
</tr>
<tr>
<td>James H.C. Wang</td>
<td>University of Pittsburgh Department of Orthopaedic Surgery, Pittsburgh, Pennsylvania, United States of America</td>
</tr>
<tr>
<td>Min Wang</td>
<td>University of Hong Kong Department of Mechanical Engineering, Hong Kong, Hong Kong</td>
</tr>
<tr>
<td>Tingyu Wang</td>
<td>Shanghai 9th Peoples Hospital Affiliated to Shanghai Jiaotong University School of Medicine, Shanghai, China</td>
</tr>
<tr>
<td>Yong-jun Wang</td>
<td>Shanghai University of Traditional Chinese Medicine Institute of Spine Diseases, Shanghai, China</td>
</tr>
<tr>
<td>Lei Wei</td>
<td>Brown University Department of Orthopaedics, Providence, Rhode Island, United States of America</td>
</tr>
<tr>
<td>Regine Willumelt-Römer</td>
<td>Helmholtz Centre Hereon Institute of Materials Mechanics, Geesthacht, Germany</td>
</tr>
<tr>
<td>Reinhard Windhager</td>
<td>Medical University of Vienna, Vienna, Austria</td>
</tr>
</tbody>
</table>
Frank Witte, Charité Universitätsmedizin Berlin Julius Wolff Institute for Biomechanics and Musculoskeletal Regeneration - Campus Virchow Klinikum, Berlin, Germany
Kwok-chuen Wong, Prince of Wales Hospital, Shatin, Hong Kong
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These articles typically include randomized trials, intervention studies, studies of screening and diagnostic tests, laboratory and animal studies, cohort studies, cost-effectiveness analyses, case-control studies, and surveys with high response rates, which represent new and significant contributions to translational research in the field of orthopaedics. They should include an abstract and be structured as follows: Abstract, Introduction, Materials and Methods, Results, Discussion, Conflicts of Interest Statement, Funding/Support Statement, Acknowledgements (if any), References, Figures and Tables (if any), and Supplementary Material (if any).

The Introduction should provide a brief background to the subject of the paper, explain the importance of the study, and state a precise study question or purpose.

The Materials and Methods section should describe the study design and methods (including the study setting and dates, patients/participants with inclusion and exclusion criteria, patient samples or animal specimens used, the essential features of any interventions, the main outcome measures, the laboratory methods followed, or data sources and how these were selected for the study), and state the statistical procedures employed in the research.

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The Discussion section should be used to emphasize the new and important aspects of the study, placing the results in context with published literature, the implications of the findings, and the conclusions that follow from the study results.

The text should be limited to 6000 words in length with not more than 8 figures/tables and 40 references. The journal does not accept original articles of case reports and case series.

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These should provide a balanced synthesis of current knowledge on translational research in musculoskeletal and related themes. These articles have the specific goal of identifying challenges and bottlenecks that are preventing translation of biomedical research advances for a particular disease or clinical disorder into new treatments for patients, with constructive suggestions for ways to overcome these challenges.

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Perspectives discuss one or several papers recently published in the JOT or other journals that present key findings in translational research relevant to musculoskeletal health and disorders. Perspectives should discuss the research from both a basic and clinical viewpoint and should describe the implications of the research for patient care.

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These are short discussions of a case or case series with unique features not previously described that make an important teaching point or scientific observation and highlight the significance of the findings, i.e. how the finding could be adopted into current clinical practice. The discussion should also mention if future controlled studies could be done. Section headings should be: Abstract, Introduction, Case Report, Discussion, Conflicts of Interest, Funding/Support Statement, Acknowledgements (if any), References.

The Introduction should describe the purpose of the report, the significance of the disease and its specificity, and briefly review the relevant literature.

The Case Report should include the general data of the case, medical history, family history, chief complaint, present illness, clinical manifestation, methods of diagnosis and treatment, and outcome.

The Discussion should compare, analyze and discuss the similarities and differences between the reported case and similar previously reported cases. The importance or specificity of the case should be restated when discussing the differential diagnoses. Suggest the prognosis of the disease and possibility of prevention.

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**Editorial offices**
Department of Orthopaedics & Traumatology  
The Chinese University of Hong Kong  
Room 74029, 5/F, Clinical Sciences Building  
Prince of Wales Hospital, Shatin, New Territories  
Hong Kong SAR  
Tel: +852 2646-4555  
Fax: +852 2646-3020  
E-mail: joteditorial@ort.cuhk.edu.hk

Shanghai Key Laboratory of Orthopaedic Implants  
Department of Orthopaedic Surgery  
Shanghai Ninth People's Hospital  
Shanghai Jiaotong University School of Medicine  
Room 701, No. 3 Building  
639 Zhizaoju Road, Shanghai, China  
Tel: +86 21 5331-5397  
Fax: +86 21 6313-7020

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