Vancouver
Canada
October 5–8, 2019
15th World Congress
International Cartilage Regeneration & Joint Preservation Society
Preliminary Programme & Call For Abstracts

Mark your agenda!

www.cartilage.org
Our Mission
Advancing Science & Education of the Prevention & Treatment of Cartilage Disease Worldwide

The ICRS is the Main Forum for International Collaboration in Cartilaginous Tissue Research & Joint Preservation

Recognizing that there is a continuum from cartilage injury to degenerative joint disease we bring together basic scientists, clinical researchers, physicians, other healthcare providers and members of industry, engaged or interested in the field of articular biology, its genetic basis and regenerative medicine. We seek to improve our patients’ quality of life, decrease their disability and reduce the impact of degenerative joint disease on healthcare systems worldwide by preserving joints and maintaining function.” The Society has currently 1300 active members from 65 countries.

The purpose of ICRS is charitable: The society envisages the scientific research and the exchange of knowledge among physicians, scientists, patients and researchers of the industry in the field of Cartilage Regeneration and Joint Preservation. To serve its purpose, the society organizes international congresses and events, publishes journals and provides a universal internet platform.

Join ICRS Now!

Benefits for ICRS Members
• 4 Issues of the official ICRS Journal Cartilage, published by SAGE
• Highly reduced registration fees for all ICRS educational events
• Eligibility for ICRS Scholarships
• Eligibility for ICRS Travelling Fellowships
• Access to the “Member Only” section of the ICRS Website (incl. Membership Database and access to the Cartilage Knowledge Database, Electronic Posters, Abstracts and selected Symposia presentations)
• Free advertising of your cartilage meeting/course in the ICRS Newsletter and online event calendar

The Annual Membership Fees are:
Ordinary Members: € 220.00
Junior Members: € 100.00
Corporate Members: € 3000.00

Join ICRS online at www.cartilage.org
office@cartilage.org

International Cartilage Regeneration & Joint Preservation Society
It is with great pleasure and also great honour that I welcome you all to the 16th ICRS World Congress here in Vancouver. The New York Times describes this place thus...“Vancouver is Manhattan with mountains. It is a liquid city, a tomorrow city, equal parts India, China, England, France and the Pacific Northwest. It’s the cool North American sibling.” – The New York Times.

It is my privilege to serve as the ICRS President during this period. Many of you may know the name of the society changed in 2018 to the International Cartilage Regeneration & Joint Preservation Society as it was felt the old name no longer reflected the scope of the Society. This change also reflects the fact that the Society is in continual evolution which allows it to grow and change to include clinicians and basic scientists all working towards common goals. The World meeting gives us all the chance to meet with our colleagues from all over the world to exchange insights, updates and possible new techniques in the arena of cartilage repair and joint preservation. And this meeting is no different. The program is a rich mix of clinical and basic science which will appeal to, not only our current members, but also to those who have not yet joined the Society. The Scientific Programme Committee, namely Alan Getgood and Lucienne Vonk and their team have put together a thrilling programme for us all to enjoy and to learn from. There are special sessions on cartilage imaging, rehabilitation, clinical trials and biologics to name but a few. Sessions on pain, gene therapy and the spine with a great mini battle session on the last day. Of course the social aspect has not been forgotten and apart from the social events within the congress Vancouver is an excellent place for various sports and cultural activities, in other words something for everyone!

So, you have no excuse to not to join us in the wonderful city of Vancouver at what will be, in my opinion, the best World Congress ever.

Alberto Gobbi
ICRS President 2018–2019

Our Vision

The ICRS is the main forum for international collaboration in cartilaginous tissue research. Recognizing that there is a continuum from cartilage injury to degenerative joint disease we bring together basic scientists, clinical researchers, physicians and members of industry, engaged or interested in the field of articular biology, its genetic basis and regenerative medicine. We seek to improve our patients’ quality of life, decrease their disability and reduce the impact of degenerative joint disease on healthcare systems worldwide.
On behalf of the local organizing committee, it is a great pleasure to invite you to 15th ICRS World Congress to be held in Vancouver, Canada from the 5th of October to the 8th of October of 2019. You can count on the Scientific Programme Committee to deliver first rate programme on the state of the art, and the future, of cartilage repair and management of early arthritis. You can also count on a memorable visit to Vancouver. There is nowhere else that combines such superb super natural beauty and a multi-cultural cosmopolitan city experience so well.

Always among the top 2 or 3 most livable city in the world, it has also been consistently rated as the top North American destination for international meetings. Whether your interests are in experiencing world class dining, professional sports or shopping, there are lots to entertain in the city.

Of course the provincial slogan, “Spectacular by nature” reflects one of the special appeals of the region. Vancouverites are passionate about nature and outdoor activities, both on the sea and in the nearby mountains. You can be hiking in old growth forests or fishing for salmon within 20 minutes of downtown. Your visit can also be enhanced with pre or post meeting excursions through the Rocky Mountains, as far as Banff or to Victoria on Vancouver Island. You can take a cruise up the coastal waterways as far north as the glaciers or visit the world-renowned ski resort Whistler, only 90 minutes from the hotel.

We have no doubt that you will enjoy your visit to Vancouver as part of the 15th ICRS World Congress and we look forward to hosting you.

On behalf of the Local Organizing Committee
Bob McCormack & Mark Hurtig,
Congress Chairs 2019

Our Mission
Advancing Science & Education of the Prevention & Treatment of Cartilage Disease Worldwide
We look forward to welcoming you to Vancouver, Canada in October 2019 for the 15th ICRS World Congress. As program Chairs we have the honor of being the first to incorporate the new focus of the society – that of Cartilage Regeneration and Joint Preservation. To that end, we aim to bring together the three traditional pillars of ICRS – clinicians, scientists and industry partners – to illustrate what we can do collectively, to address the growing need towards addressing joint dysfunction and disability. Musculoskeletal disease is a growing problem and represents a significant burden on society worldwide. The concept of joint preservation not only suggests joint tissue repair, but also improvements in patient function and wellbeing, a subject that we hope to showcase throughout the program.

A consistent theme through the meeting will be that of the ‘Next Generation’. This will include the next generation of joint repair technologies, of investigative techniques, and importantly, of researchers. Our interest in the future of the ICRS has been highlighted by our previous development of the ICRS NextGen group – recognizing and promoting the next generation of cartilage physicians and scientists, who ultimately will lead the ICRS into the future. As such, you will see many mid-career researchers and surgeons share their experiences and latest work, guided by the sage wisdom of our mentors throughout the congress program.

We are excited to be partnering with the Arthroscopy Association of Canada (AAC) to deliver the opening session on Stem Cell Tourism. This continues to be a hot topic where we will tackle the many issues that face our patients when searching for the ‘Holy Grail’ of joint regeneration. To that end, we will also include a plenary session on Stem Cell treatments – science, no hype - with leading international researchers providing facts about this evolving field. We have reduced the number of concurrent sessions being held to give us more opportunity to collaborate and share knowledge within multidisciplinary sessions. The ever-popular ‘mini battles’ will also be back, with speakers challenging concepts that many continue to hold sacred. Guaranteed not to disappoint!

Early morning technical sessions will enable attendees to interact with experts in many areas including clinical trial development, arthroscopic cartilage repair techniques, diversity within our field and much more. Free paper sessions will showcase new science and important areas where we may see the future of joint preservation treatment.

All of this will be mixed with an entertaining social program that will highlight Canadian West Coast hospitality. With the congress coming to beautiful Vancouver, we anticipate an extremely busy congress, which we are confident will provide an incredible insight into the new world of Cartilage Regeneration and Joint Preservation. See you there!

Lucienne Vonk & Al Getgood
Co-Chairs
Scientific Programme Committee 2019
Congress Chairs ICRS 2019

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Scientific Programme Committee

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- Lattermann Christian, Boston, USA
- Roberts Sally, Shropshire, UK
- Snow Martyn, Bromsgrove, UK
- Stoddard Martin, Davos, CH

Congress Organizing Office

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Congress Venue

Hyatt Regency Vancouver
655 Burrard Street
BC V6C 2R7 Vancouver, Canada
Phone: +1 604 683 1234
www.vancouver.regency.hyatt.com

Hyatt Convention Service Manager
Darin Lee, Event Planning Manager
darin.lee@hyatt.com
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Kon Elizaveta, Milano, IT

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• Vonk Lucienne, Utrecht, NL
• Zaslav Kenneth, Richmond, USA

Please note: This is a preliminary programme. The information in this programme is subject to change without prior notice. For updated information, please visit frequently our website: www.cartilage.org
# Programme Overview

## Saturday, October 5, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:00–18:00</td>
<td>Registration</td>
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<tr>
<td>12:00–13:00</td>
<td>Opening Session</td>
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<td>ICRS Meets AAC</td>
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<td>13:00–14:00</td>
<td>Plenary Session</td>
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<td>Next Generation: Promoting Collaboration in Joint Preservation</td>
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<td>14:15–15:15</td>
<td>Special Sessions</td>
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<td>14:15–15:15</td>
<td>What’s New in Cartilage Imaging?</td>
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<td>Special Sessions</td>
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<td>14:15–15:15</td>
<td>Rehabilitation Update</td>
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<td>14:15–15:15</td>
<td>Clinical Trials in 2019</td>
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<tr>
<td>15:15–16:15</td>
<td>Coffee Break / Poster Session</td>
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<tr>
<td>16:15–17:00</td>
<td>Opening Ceremony &amp; Awards Session</td>
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<tr>
<td>17:00–18:00</td>
<td>Honorary Lectures</td>
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<td>18:00–19:30</td>
<td>Welcome Cocktail</td>
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## Sunday, October 6, 2019

<table>
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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>07:30–08:30</td>
<td>Early Morning Workshop</td>
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<td>08:30–09:30</td>
<td>Plenary Session</td>
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<td>Post Traumatic Osteoarthritis: A Preventable Disease?</td>
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<tr>
<td>09:45–10:45</td>
<td>Special Sessions</td>
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<td>09:45–10:45</td>
<td>Best &amp; Worst Experiences in Joint Preservation</td>
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<tr>
<td>09:45–10:45</td>
<td>Rehabilitation Update</td>
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<td>14:15–15:15</td>
<td>Special Sessions</td>
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<td>14:15–15:15</td>
<td>Whole Joint Preservation</td>
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<td>15:15–16:15</td>
<td>Special Sessions</td>
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<td>15:15–16:15</td>
<td>Pain</td>
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<td>16:15–17:00</td>
<td>Coffee Break / Exhibition</td>
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<tr>
<td>17:00–18:30</td>
<td>Free Paper Sessions</td>
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<tr>
<td>19:30–23:00</td>
<td>President’s Dinner (Upon Invitation Only)</td>
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# Monday, October 7, 2019

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<tr>
<th>Time</th>
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<tr>
<td>07:30–08:30</td>
<td>Early Morning Workshop&lt;br&gt;Cartilage Repair in the Foot &amp; Ankle</td>
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<tr>
<td>08:30–09:30</td>
<td>Plenary Session&lt;br&gt;Stem Cells without the Hype</td>
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<tr>
<td>09:45–10:45</td>
<td>Special Sessions&lt;br&gt;Joint Loading &amp; Cartilage Health</td>
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<td>10:45–11:15</td>
<td>Coffee Break / Exhibition</td>
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<td>11:15–12:45</td>
<td>Free Paper Sessions</td>
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<td>13:00–14:00</td>
<td>Industry Symposia</td>
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<td>16:00–17:00</td>
<td>Special Sessions&lt;br&gt;Spine/Disc</td>
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<td>17:00–17:30</td>
<td>Coffee Break / Exhibition</td>
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<td>17:30–18:30</td>
<td>ICRS General Assembly (For Members Only)</td>
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<td>19:30–23:00</td>
<td>Canadian Night – Farewell Party</td>
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# Tuesday, October 8, 2019

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<th>Time</th>
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<tr>
<td>08:00–09:00</td>
<td>Plenary Session&lt;br&gt;Cost Effective Strategies for Joint Preservation</td>
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<td>09:00–10:00</td>
<td>Plenary Session&lt;br&gt;Mini Battles</td>
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<td>10:00–10:30</td>
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<td>Special Sessions&lt;br&gt;Methods To Assess Cartilage Repair Success Or Failure</td>
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<td>12:00–13:00</td>
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<td>Special Sessions&lt;br&gt;Biomaterials/Bioprinting/Bioengineering</td>
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<td>13:00</td>
<td>End of Meeting</td>
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Saturday, October 5, 2019

12:00–13:00 Opening Session

1.0 ICRS Meets AAC - Arthroscopy Association of Canada
   - Stem Cell Tourism

13:00–14:00 Plenary Session

2.0 Next Generation: Promoting Collaboration in Joint Preservation
   - Clinician Perspective
   - Scientist Perspective
   - Industry Perspective

14:15–15:15 Special Sessions

3.1 What’s New In Cartilage Imaging?
   - Quantitative MRI
   - Is there a Role for Nuclear Imaging?
   - Preclinical Techniques

3.2 Rehabilitation Update
   - Prevention Strategies
   - Does Blood Flow Restriction have a Role?
   - Can we Accelerate Rehab?

3.3 Clinical Trials in 2019
   - Late Breaking Trial Results

15:15–16:15 Coffee Break / Poster Session

16:15–17:00 4.0 Opening Ceremony & Awards Session

17:00–18:00 5.0 Honorary Lectures

18:00–19:30 Welcome Cocktail
Sunday, October 6, 2019

07:30–08:30 Early Morning Workshops

  6.1 Grant Writing 101
  6.2 Joint Preservation of the Hip
  6.3 Women in the ICRS

08:30–09:30 Plenary Session

  7.0 Post Traumatic Osteoarthritis: A Preventable Disease?
    • Molecular Targets
    • Biomarkers
    • Challenging Treatment Paradigms/Novel Treatments

09:45–10:45 Special Sessions

  8.1 My Best & Worst Experiences in Joint Preservation
    • Scientist Perspective X 3
    • Clinician Perspective X 3

  8.2 Biologics
    • Antibodies & Cytokines
    • Peptides & Proteins
    • PRP, BMC, SVF
    • Exosomes

  8.3 Animal Models In Cartilage Repair
    • Are Rodent Models Relevant?
    • What is the Best Large Animal Model?
    • Lessons Learned In Veterinary Practice

10:45–12:30 Coffee Break / Poster Exhibition

12:30–13:30 9.0 Industry Satellite Symposia

13:30–15:00 10.0 Free Paper Sessions
PRELIMINARY SCIENTIFIC PROGRAMME

15:15–16:15 Special Sessions

11.1 Whole Joint Preservation
- ACL & Cartilage
- Meniscus & Cartilage
- Synovium & Cartilage

11.2 ICRS NextGen

11.3 Pain
- Where is it Coming From?
- How it Affects Outcomes
- Strategies to Reduce Pain

16:15–17:00 Coffee Break / Exhibition

17:00–18:30 12.0 Free Paper Session

19:30–23:00 President’s Dinner (Upon Invitation Only)

Monday, October 7, 2019

07:30–08:30 Early Morning Workshops

13.1 Cartilage Repair in the Foot & Ankle

13.2 Clinical Trial Design

13.3 Meet The Experts: Everything you wanted to know about Joint Preservation but you were too afraid to ask....

08:30–09:30 Plenary Session

14.1 Stem Cells without the Hype
- What is the Real Science?
- What about Regulatory Approval?
- Do they have a Clinical Role in Joint Preservation?

09:45–10:45 Special Sessions

15.1 Joint Loading & Cartilage Health
- How Does Mechanical Load Affect Joint Health?
- Re-Alignment Osteotomy
- Joint Distraction
15.2 Gene Modulation
- Gene Therapy
- Targeted Delivery
- Transfection/Transduction

15.3 Big Data
- ICRS Registry Update?
- How Good is Registry Data?
- Randomized Trials Vs. Cohort Studies

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<td>Spine/Disc</td>
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<td>Stem Cells &amp; Biomaterials for Regeneration of the Intervertebral Disc</td>
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<td>Nucleus Pulposus Progenitor Cells</td>
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<td>IPS Cells For IVD Regeneration</td>
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<td>19.2</td>
<td>Cartilage Mechanics &amp; Biotribology</td>
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<td>Current Status Of Biotribology</td>
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<td>Cartilage Mechanics Before &amp; After Tissue Damage</td>
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<td>Rehydration &amp; Lubrication in Cartilage Repair</td>
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<td>19.3</td>
<td>Meniscus 2019</td>
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<td>Current Status of Meniscus Regeneration</td>
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<td>Enhancing Meniscus Repair</td>
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<td>Meniscus Replacement</td>
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Tuesday, October 8, 2019

08:00–09:00  Plenary Session

21.0 Cost Effective Strategies for Joint Preservation
• Should Cost be a Measure of Success?
• Is Cell Therapy Cost Effective?
• Can we do it Cheaper & Better?

09:00–10:00  Plenary Session

22.0 Mini Battles
• ACL Isolated Cartilage Lesion – Leave Or Treat?
• Realignment Osteotomy Works
• Cells Only Way to Go
• No Role for Stem Cells Outside of Clinical Trials
• Marrow Stimulation is Dead
• Rehab Vs. Surgery

10:00 – 10:30  Coffee Break / Exhibition

10:30–12:00  23.0 Free Paper Sessions

12:00–13:00  Special Sessions

24.1 Methods To Assess Cartilage Repair Success Or Failure
• Qualitative Methods
• Quantitative Methods
• Societal Perspectives

24.2 Subchondral Bone In 2019
• Edema
• Sclerosis
• The Tidemark

24.3 Biomaterials/Bioprinting/Bioengineering
• Current Status of Additive Manufacturing
• Instructive Biomaterials
• Hybrid Implants

13.00  End of Meeting
Call for Abstracts

The scientific programme committee is pleased to invite all authors wishing to present a paper or a poster at the ICRS 2019 to submit their abstracts latest until April 15, 2019. No extension of this deadline will be possible. The overall best rated Abstract and Posters will be awarded by the Society.

• Podium Presentations
Free papers related to all topics in joint preservation and cartilage regeneration will be presented during 16 free paper sessions. Speaking time is 7 minutes plus 3 minutes for discussion. The speaking time must strictly be observed by the presenters. If an abstract is accepted as an oral presentation, presenters must speak in fluent English and be prepared to answer questions from the audience and moderators. All session rooms are equipped with networked computer projection. Presenters are requested to bring their PowerPoint presentation (Windows XP or Windows 7) on a CD-ROM or USB stick and to check-in at the Preview Center 3 hours prior to their presentation. Detailed information will be sent to the presenters on time.

• Electronic Posters
One of the main benefits of an electronic poster exhibit is the post-congress availability of the posters for many years in the ICRS member’s area. Our scientific cartilage knowledge database is fully searchable by title, poster ID, authors, full text and image annotation. Information on how to use the electronic poster submission system will be sent to the authors of the accepted posters. An independent jury will judge the electronic posters by online blind grading with regard to scientific content, educational value and visual impression. Awards for the 6 best electronic posters and best abstracts will be given during the ICRS Opening & Awards Ceremony on Saturday, October 05, 2019 at 16.15 hs.

• Traditional Wall Posters
In addition to the electronic posters, which must be submitted on a mandatory basis, the authors are invited to produce a traditional poster for the poster walls as well. If your abstract is accepted as a poster, you will be requested to submit your electronic version to the ICRS online poster submission system and you might bring with you a traditional wall poster for the poster exhibit onsite by reserving your poster wall in advance through our Office.

Submission of Abstracts - Guidelines
Scientific abstracts must be submitted in impeccable English within the following structure: Purpose – Materials & Methods – Results – Conclusion and must be written according to the few abstract submission instructions to be found in the ICRS abstract online submission system. Abstract length is limited to a maximum of 300 words and may contain up to 2 graphs, pictures or tabs. For experimental clinical studies and animal studies, a copy of the approval received by the local ethical committee must be sent to our Executive Office after successful submission of your abstract.

Abstract submission Deadline
Abstracts may be submitted online through April 15, 2019 at noon CET (Central European Time) by accessing our online submission system on the
ICRS website. No abstract submissions by letter, fax or E-Mail will be accepted and no extension of the submission deadline will be granted. ICRS will NOT edit abstracts for language issues, typing, spelling, or grammatical mistakes. There is no fee charged to submit an abstract for ICRS 2019 and you may submit as many abstracts as you wish. However, it is highly recommended to not leave your submissions until the very last day.

**Presentation Preference**
Submitted abstracts will be peer-reviewed and may be accepted for either an oral- or a poster presentation. Submitters may indicate their presentation preference during the submission process but the Scientific Programme Committee reserves the right to define the final presentation type. No podium presentations will be guaranteed to any author.

**Financial Disclosure Statement**
Submitting authors must complete a **Financial Disclosure Statement** on behalf of all authors. Disclosures will not be seen or taken into consideration for the abstract grading process nor for the decision of acceptance of an abstract. We request all submitters to cooperate in this by:

1. Declaring any potential conflict of interest by any of the authors when submitting an abstract.

2. Declaring any commercial role in the related research of any Co-author on the first slides for podium presentations or on the posters for poster presentations.

**Confirmation of Abstracts**
Scientific contributions will be confirmed by end of April 2019 by E-Mail to the submitting author. The submitting author must inform the presenter and all co-authors of the notification result. Presenting authors of accepted abstracts will be requested to reconfirm their presentations and they are expected to register normally to the congress. They must cover their own travel, lodging and registration fees.

**Publication – Journal “Cartilage”**
We encourage authors to additionally submit manuscripts to our peer reviewed journal “Cartilage” published by Sage ISSN 1947-6043. Instructions to authors for submissions are available at http://cart.sagepub.com

**Awards & Honours ICRS 2019**
- 1 x Overall Best Rated Abstract
- 6 x Best E- Posters
  - 2 x Magna Cum Laude
  - 2 x Cum Laude
  - 2 x Certificate of Merit
- 1 x ICRS Lifetime Award
- 1 x Young Investigator’s Award (US$ 1000.00)
- 1 x James Richardson Award

**CME Credits**
The ICRS 2019 Congress intends to be accredited by the Canadian Orthopaedic Association – COA and by the European Accreditation Council for Continuing Medical Educations – EACCME, an institution of the European Union of Medical Specialists – UEMS, recognized by AMA. Information on accreditation and the number of CME credits will be available soon on our website www.cartilage.org
Speaker Service / AV Centre

Please note that only digital material will be allowed for oral presentations. The material must be in English and must be provided on a USB memory stick in (Windows 10, 7 or XP format) to be placed on the central server on-site. Presentations cannot include any promotional commercial messages. It will not be possible to use your own laptop or notebook for your presentation in the session rooms. It is mandatory that the data carriers are delivered to the Speaker Ready Room at least 3 hours prior to your session. Computers are available in each session room for accessing the speakers’ presentations.

The network of our computers in the session rooms and the Speaker Ready Room are equipped and run with Microsoft Windows 7. Macintosh formats are not recommended. If you prefer to use Macintosh formats, please contact the AV Centre well in advance before your presentation. Our technicians will have enough time to verify and adapt your presentation, if needed.

Speaker’s presentations should be delivered as a standard in Microsoft Office format to avoid any technical problems with the presentation system. If you have videos included in your PP presentation, make sure that they run in the most commonly used video formats. If you have any doubt, please contact the ICRS Office at least 15 days before the congress. It is the presenters’ responsibility to make sure that videos runs on our standardized congress IT / AV system.

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Important Dates & Deadlines

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Welcome to Vancouver

Cradled amid skyscraping mountains and sparkling ocean, scenic Vancouver is one of the world’s premier meeting and convention destinations. World-renowned cuisine, luxury hotels and unique venues – including the two time winner of “World’s Best Convention Centre” – all add up to an unforgettable conference experience. Visitors experience a modern, cosmopolitan city that blends culture and landscape. With so much to experience in Vancouver, you will be well-entertained during your conference off time. Galleries and public exhibits for art enthusiasts, historical sites and districts for history buffs, and scenic hiking trails and botanical gardens for nature lovers are just a small sampling of the city’s diverse attractions.

Venue Location
Located in the heart of downtown, the Hyatt Regency Vancouver with 650 Rooms is the perfect location to stay for both business and leisure travellers. Guests will enjoy easy access to exciting attractions, like the unique shops of Robson Street and Stanley Park.

Travel and Transportation
Vancouver International Airport – YVR is located on Sea Island about 12 km (7.5 mi) from Downtown Vancouver For more information please visit: http://www.yvr.ca/en

• By Sky Train: The Canada Line connects Vancouver International Airport to downtown Vancouver in under 30 minutes. Take the train to the Vancouver City Centre station, exit onto Georgia Street and take a left, the Hyatt is located two short blocks away. Please visit www.translink.ca for more information.

• By Taxi: Taxis are available from the Airport to the hotel at a flat fare of $35 plus tip.

• By Rail & Amtrak: Both Via Rail and Amtrak serve Vancouver. Taxi to Pacific Central Station is approximately $12.00 CAD.
Time Zone
Pacific Daylight Time: UTC/GMT -7 hours

Language
The official congress language is English. No simultaneous translation will be provided. English and French are the official languages spoken in Canada.

Climate
In Vancouver BC, the climate is a moderate oceanic, with relatively mild winters, and cool and fairly sunny summers. The west coast is the only part of Canada in which the average temperature remains above freezing (0 °C or 32 °F) even in winter. Beginning October, daytime averages hit 15°C while nights cool down to 10°C. As you might expect the beginning of the month is much warmer with a sharp decline as October progresses. Autumn on the coast is very mild with summer-like weather often stretching into early October. Even if you enjoy a beautifully sunny day, mornings and evenings will be crisp, so make sure to pack something warmer. You’ll likely also encounter some rain, so if you’re spending time outside enjoying the fall foliage, make sure you pack a raincoat or umbrella.

Credit Cards / Cash Machines
All major credit cards are widely accepted. Bank cash machines (ATM) can be found easily and debit cards are also widely used. If you are using a foreign card at a bank machine, your money will be disbursed in Canadian Dollars.

Currency
The currency in Canada is the Canadian Dollar. 1 $CAD ≈ 0.76 US$ ≈ 0.65 € Euros (Date of printing, Nov 2018)

Electricity, Weights and Measures
- Electricity: 110 - 120 volts 60 hz
- Weights: Kilo/Gramm system
- Measures: Metric system

Tipping
Canada, like the USA has a strong culture of tipping. Gratuities are seldom included in Canadian restaurants. It is customary to tip approximately 15-20% on the total bill. Tipping at hotels does not stop with the porter who brings baggage to a guest room. Doorman, Chambermaid, Concierge, Valet, they all expect a few CAD for their services.

Health Care
Special Vaccinations are not required for entry into Canada but an individual travel & health insurance is highly recommended because health insurance plans often do not extend full coverage for medical services received outside the country of residence.

Entry Formality / Visa
Since August 2015, an ETA (Electronic Travel Authorisation) has been compulsory for travelling to Canada as a foreign visitor for whom a visa is not necessary. This requirement is not applicable to Americans and visitors who are in possession of a valid visa. For more information, https://www.eta-canada-visa.com/ This information may change without further notice. If you have any doubts about your current VISA need to enter Canada, we highly recommend checking with the Canadian Embassy or Consulate in your respective country.
Disclaimer
ICRS and the congress organizer cannot accept any liability for the acts of any suppliers to this meeting nor of the safety of any attendee while in transit to or from this event. Participants are requested to carry proper travel and health insurance as the ICRS cannot accept liability for any accidents or injuries that may occur.

Information in this programme is subject to change without prior notice. For updated information please visit frequently our congress website at www.cartilage.org

Cancellation of the Congress by the Organizer
Congress fees will be reimbursed if the congress is cancelled for other reasons than war, warlike events, and acts of terrorism or sickness epidemics. In the latter circumstances only a proportion of the congress fee would be refundable.

Technical Industry Exhibition
A technical industry exhibition with will take place at the Hyatt Regency Vancouver. It will be open every day throughout the meeting and exhibitors from around the world will present a wide range of orthopaedic- and cartilage repair related products. Participants are encouraged to take advantage of this unique opportunity to be updated with the most recent advances and latest news from our industry partners. Interested companies may contact the ICRS Executive Office for further exhibit & sponsoring information.

Intermissions
During intermissions, coffee, tea and refreshments will be served in the exhibition area as a courtesy from the ICRS.

Services for Persons with Disabilities
Please inform the ICRS office or indicate on the accommodation online booking form any special requirements you may have to allow us to best serve you. The Hyatt Regency Vancouver has international-standard facilities for the physically challenged, including access ramps, elevators and toilets for people with special needs.

Security / Badges
The safety of all congress attendees is of utmost importance to our society. The ICRS and the Hyatt Regency Vancouver have taken security precautions to ensure the maximum possible safety for all participants. Identity check controls may occur at any time by the security staff. Congress badges are personalized, not transferable and guarantee individual access to different section of the event. For organizational and security reasons, badges have to be worn all the time at the congress venue.
Early Morning Workshop / Meet the Experts

These early morning sessions will be chaired by world-renowned leaders and provide a unique possibility to obtain a compact knowledge about a specific topic in a small group. These sessions are geared towards young scientists / clinicians and seasoned specialists. In addition, this time allows delegates to bring their problem and complex cases for discussion with the opinion leaders in cartilage repair. Pre-registration is required to sign-up for these sessions during the online congress registration process. These courses are not included in the congress registration fee and the number of participants is limited to 40 participants for each session.

Fees
Residents, Students, Euros 30.00
Junior Members Euros 40.00
ICRS Members Euros 50.00
Non – Members Euros 60.00
Company Representatives

All attendees must register online for the congress at www.cartilage.org Students, Residents, Physiotherapists and Nurses must provide a proof of their training /residency or professional status to receive our highly reduced registration rates. This document must be sent to office@cartilage.org immediately after registration to confirm the special-ly reduced fee. Register until May 30, 2019 in order to receive a highly re-duced registration fee!

Congress Registration Fees

Early: Prior to May 30, 2019
Resident/Students* € 350.00*
Physiotherapists/Nurses* € 350.00*
ICRS – Members € 450.00
Non – Members € 550.00
Industry Representatives € 650.00
Accompanying Person € 90.00

Normal: May 31 – Sept 15, 2019
Resident/Students* € 450.00*
Physiotherapists/Nurses* € 450.00*
ICRS – Members € 550.00
Non – Members € 650.00
Industry Representatives € 750.00
Accompanying Person € 120.00

On-Site: From Sept 16, 2019
Resident/Students* € 490.00*
Physiotherapists/Nurses* € 490.00*
ICRS – Members € 590.00
Non – Members € 690.00
Industry Representatives € 790.00
Accompanying Person € 140.00

*Registrations to be accompanied by a certificate signed by the head of department or valid student or professional ID

Included In Your Registration Fee
• Access to all scientific sessions (except early morning workshops)
• Access to the technical industry exhibition
• Access to the scientific poster exhibition
• Welcome Reception, Poster Cocktail & Coffee Breaks
• Free Internet Access (Internet Corner & WLAN available)
• Congress Bag and Final Programme
• Badge and Certificate of Attendance
• CME Credits (to be confirmed)
• Congress App
Join ICRS & Benefit from Reduced Fees
Non-member attendees who apply for ICRS membership 2019 right before their congress registration will immediately profit from our highly reduced members’ fee. ICRS Members who are not in good-standing with their membership dues 2018 / 2019 will automatically be charged with the non-member fee.

Cancellation of Congress Registrations – Name Changes
Written notification is required for all congress cancellations and name changes. Notifications should be sent to the Cartilage Executive Office office@cartilage.org

Refunds for congress cancellations are as follows:
• 80 % refund for cancellations until May 30, 2019
• 50 % refund for cancellations until August 30, 2019
• No refund thereafter

Name changes will be charged with a fee of € 100.00

In case of a congress cancellation due to rejection of an abstract, the full amount of the paid registration fee will be refunded.

Complimentary Internet/WLAN
As a special courtesy, ICRS will provide free WLAN Hot Spots and a public Internet Corner to all attendees and exhibitors in the convention area.

Smoking
The ICRS World Congress is a non-smoking congress. Smoking is not permitted at the Hyatt Regency Vancouver and its Conference Centre except in designated smoking areas.

Mobile Phones
All attendees will be requested to turn off, or to switch to silent mode their mobile phones during all scientific sessions.

Recording/Pictures
Taking photos or video/ audio recording during the scientific presentations or from the poster area is strictly prohibited. Note that the majority of the Presentations, posters and many officially recorded sessions will become available online after the congress at the ICRS website in the members’ area, therefore there is no need to take pictures during the sessions or from the poster exhibits.
Important: The ICRS has made a major commitment to the Hyatt Regency Vancouver in order to secure a sufficient block of quality hotel rooms at competitive rates within the venue. We kindly ask participants and industry partners to book their hotel rooms at the Hyatt through the official reservation link on our website. There is no extra administrative charge for this service and we guarantee excellent discounted rates in this property. Hotel Rooms will be allocated on a first-come, first-serve basis. If you wish to extend your stay, the same discounted hotel rates are available up to three nights prior and three nights after the congress dates subject to room availability.

Official Congress Hotel / Venue
Hyatt Regency Vancouver
655 Burrard Street
BC V6C 2R7 Vancouver, Canada
Phone: +1 604 683 1234
www.vancouver.regency.hyatt.com

Located in the heart of downtown, Hyatt Regency Vancouver is the perfect location to stay for both business and leisure travellers. Guests will enjoy easy access to exciting attractions, like the unique shops of Robson Street and Stanley Park. From the moment you arrive at our downtown Vancouver hotel near the Vancouver Convention Centre, you will feel right at home. Welcome to Hyatt Regency Vancouver!

Special Courtesy: As a special courtesy, the hotel offers exclusively to ICRS congress attendees, complimentary fitness club access and free high-speed internet access in the hotel rooms.

Room Rates: (Breakfast, Services & Taxes are not included)

- King/Twin Room SGL CAD$ 250.00
- DBL CAD$ 275.00
- Balcony/View Room SGL CAD$ 300.00
- DBL CAD$ 325.00
- Regency Club Room SGL CAD$ 375.00
- DBL CAD$ 400.00

Reservations / Hotel Booking
Hyatt Reservation Department
(use group code ICRS)
Phone: 1-604-683-1234
Toll Free North America: 1-800-233-1234

Online Reservation: https://cartilage.org/icrs2019-world-congress-vancouver/
Individual Reservations
For individuals online reservations will be accepted through www.cartilage.org. Online reservations should be submitted as early as possible, latest until August 30, 2019. Rooms will be confirmed on a first come, first serve policy. Reservations thereafter are only confirmed upon availability and the hotel may charge a significantly higher rate.

Group Reservations – Industry
The Hyatt Regency Reservation department is pleased to receive group reservations (10 Rooms or more). Please contact our Housing Manager Mr. Darin Lee by Phone +1-604-639-4748 or Email darin.lee@hyatt.com

Credit Card Guarantee / Payment
A credit card guarantee for the entire reservation period is required to confirm and secure your hotel room reservation. Please note that your Hotel invoice shall be settled directly to the hotel upon your checkout.

Hotel Room Cancellation
Cancellations are to be addressed to the Hotel directly in writing. The following cancellation fees will apply:

- For cancellations until June 30: No Charge
- For cancellations until August 30, 2019: Charge of 1 night.
- For cancellations after August 30, 2019 and No-Shows: Charge of the entire reservation period.

Hotel Reservation Changes
Hotel reservation changes must be directed to the Hyatt. Room night reductions of existing reservations are subject to the cancellation conditions as described above.
ICRS supports compliance with international ethical standards and therefore emphasizes that participants who would like to attend tours or social events shall bear all related costs themselves.

**Saturday October 5, 2019**

**Opening Ceremony & Welcome Cocktail Reception**
19.00 PM – 20.30 PM

Participants, industry representatives and accompanying persons are invited to join the opening ceremony and welcome cocktail at the Hyatt Regency. This reception is offered to you by the ICRS. After the cocktail, participants have free time for their own leisure to discover Vancouver and enjoy one of the many outstanding restaurants / bars in Vancouver Downtown.

**ICRS 2019 President Dinner**
(upon invitation only)
19.30 PM – 23.00 PM

Free Evening for participants’ individual programmes and for industry related events. The Hotel Concierge and/or Vancouver Tourism will be pleased to recommend and book at table for you at one of your favourite restaurants in town.

**Sunday October 6, 2019**

**3rd ICRS Fun Run for Healthy Joints**
06.00 AM – 06.45 AM

ICRS and the HYATT Regency Vancouver understand that maintaining a fitness routine while travelling for congresses is difficult. Participants wanting to get off the treadmill and take their workout outside can join the ICRS Fun Run led by members of the HYATT Regency Vancouver management team. Runners meet at 6:00 AM in the Lobby for a four-mile Seawall jog returning by 6:45 AM

**Price per Person:** € 10.00
(partly sponsored by Hyatt)
(incl. T-shirt, towels and a refreshing Juice)

**Vancouver Farewell Party**
19.30 PM – 23.00 PM

Great entertainment for everyone! Join us for a fun evening with mouth-watering Canadian food & drinks in a relaxed party atmosphere. Enjoy typical music and live show acts.

**Price per Person:** € 90.00
(partly sponsored by ICRS)
(incl. dinner, drinks & entertainment)
Vancouver has an endless supply of attractions and things to see and do. It doesn’t matter what time of day or what time of year - whether you want to be indoors or out, active or a spectator, spend a lot of money or none at all - Vancouver has it all!

Can’t-Miss Vancouver Experiences
Vancouver is bursting with iconic experiences that characterize this multifaceted city. Any of these must-sees will kick-start your Vancouver sightseeing – and you’re sure to stumble upon plenty of other Vancouver treasures along the way.

Stroll the Seawall
Stretching 22 kilometres (13.7 miles) from Coal Harbour to Kitsilano Beach – wrapping around Stanley Park along the way – the seawall that borders Vancouver’s coastline is the most popular recreational spot in the city. The perfect fresh-air activity between sessions, you can walk or rent a bike to tour a portion of the route starting right at the Vancouver Convention Centre.

Explore Granville Island
A charming public market overflowing with fresh produce, breads, seafood and a bounty of other goods is reason enough to visit Granville Island Public Market, not to mention exploring the narrow lanes of the island to check out its unique shops and photo-worthy views of downtown across False Creek.

Meet the Creatures
The Vancouver Aquarium is home to more than 70,000 fascinating creatures from the Arctic to the Amazon – the daily beluga whale, dolphin and sea otter shows are a must-see!

Have a Peak Experience
Grouse Mountain’s Skyride delivers riders to remarkable views and a huge range of on-mountain experiences: outdoor skating, snowshoeing, skiing and snowboarding in winter, and hiking, ziplining and more in summer.

Traverse the Treetops
Adventurers can make their way across the swaying Capilano Suspension Bridge that stretches 137 metres (450 feet) across the canyon and the Capilano River 70 metres (230 feet) below, plus explore the Cliffwalk feature, a series of suspended walkways jutting out from the granite cliff face above Capilano River.

Take Flight
One of the best ways to see coastal Vancouver’s most breathtaking sights is on a scenic flightseeing adventure by floatplane with Harbour Air, Westcoast Air, Seair Seaplanes, Helijet or Whistler Air. Alternatively, Vancouver’s newest big attraction, FlyOver Canada, offers a coast-to-coast virtual aerial tour and an immersive experience for all five senses!

Vancouver at Night
The late-night scene in Vancouver is a thriving mix of lounges, laid-back pubs and energetic music venues. Some of the trendiest lounges are found in many of the downtown hotels. Live music is never hard to find in Vancouver. Local bands and international touring acts set up regularly in the clubs and venues around town.

As the official Vancouver visitors’ site, www.tourismvancouver.com/ is your perfect guide. Use the Events Calendar to find concerts, street festivals, and the latest exhibit openings. Check out the Listings to discover fun tours and new eateries, and browse itineraries to take in all the sights. The Hyatt Regency Concierge Department will be pleased to assist you for tailor-made bookings and reservations!
FRESH GRAFT LEADER

WORLD LEADER

For the past decade, JRF Ortho has been the world leader offering the largest selection of fresh, viable osteochondral allografts.

GOLD STANDARD

The gold standard replacement for hyaline cartilage is fresh osteochondral allografts.

Independent research revealed that customers feel JRF Ortho excels in timely fulfillment of fresh allograft orders, rating them a 9.6 out of 10.

DISCOVER HOW JRF ORTHO CAN MOVE YOU.
877-255-6727
JRFORTHO.org