World Federation of Chiropractic
Association of Chiropractic Colleges

11TH CHIROPRACTIC EDUCATION CONFERENCE

November 2-5, 2022
Logan University, Chesterfield, Missouri
United States of America

Leveling Up: Creating Consistency in Chiropractic Education
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Lower Extremities

Advanced Test

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Welcome Message

On behalf of us all at the World Federation of Chiropractic and the Association of Chiropractic Colleges, we invite you to join us at the 11th WFC ACC Chiropractic Education Conference. This year we are in St Louis, Missouri, for what will be a stimulating and inspiring event for educators, academics, association leaders, students and anyone with an interest in chiropractic education.

We encourage you to join us in showcasing the leadership that thrives within the international chiropractic educational community, and inspiring the students of today to become the chiropractors of tomorrow.

In an age where collaborative, patient-centered care is championed, we are delighted to invite thought leaders from outside chiropractic to bring new teaching and learning perspectives, future-focused innovations and groundbreaking technologies to the educational arena.

Our 2018 Conference in the iconic capital city of London was the best-attended ever. Delegates, exhibitors, sponsors and organizers showcased best practices, forged new relationships, identified opportunities and shared knowledge and skills. This year, we intend to break new records.

For 2022, our magnificent venue, the Purser Center, located on the beautiful campus of Logan University, could not be better equipped to host a WFC ACC Education Conference and our delegates, sponsors and exhibitors will not fail to be impressed by the scale of this outstanding facility.

As a Conference attendee, you will be at an event which now attracts educational leaders and decision-makers from chiropractic institutions and universities around the globe. We look forward to seeing you in St Louis.

Richard Brown
Secretary-General
World Federation of Chiropractic

Anne Marie Munson
Executive Director
Association of Chiropractic Colleges
Dr. Richard BROWN DC, LL.M, FRCC
Richard is the Secretary-General of the World Federation of Chiropractic. A graduate of AECC University College, he was in private practice for over 25 years. He is a past President of the British Chiropractic Association and a past Secretary-General of both the European Chiropractors' Union and the European Academy of Chiropractic. He is a Fellow of the Royal College of Chiropractors and is a member of Eurospine, the spine society of Europe.

Dr. Deborah BUSHWAY PhD
Deb currently serves as the President and CEO of Northwestern Health Sciences University, where she previously served as Provost and Executive Vice-President. She is an acknowledged expert in competency-based education and has previously acted as an Advisor at the Office of the Undersecretary at the Department of Education in Washington DC. She has a particular interest in innovations in education to improve student success.

Dr. Bart GREEN DC, PhD
A chiropractor for more than 25 years, Bart is the Editor-in-Chief of the Journal of Chiropractic Education and a faculty member at the National University of Health Sciences. He is a full-time practicing chiropractor in an interprofessional corporate health center for Stanford Health Care. He has worked in private practice and previously served as a staff chiropractor at Naval Medical Center San Diego, establishing its first chiropractic service. Bart has a Master’s degree in health professions education and a PhD in public health.

Dr. Clay McDONALD DC, MBA, JD
Clay is the President of Logan University and a past Chair of the Association of Chiropractic Colleges. He has extensive experience both in private practice and in chiropractic education. He served for a number of years on the Board of the Council on Chiropractic Education (U.S) and currently sits as a board member on the Spine Institute of Quality. During his time at Logan University, he has overseen its evolution into a full health sciences institution.

Mr. David O’BRYON JD, CAE
David retires this year as President of the Association of Chiropractic Colleges. With almost 40 years of US government and association experience, he has served organizations as an executive, consultant and volunteer. David serves on the Secretariat of the National Association of Schools and Universities in the US. He is the Past President of the Federation of Associations of Schools of the Allied Health Professions.

Dr. Desiree VARATHARAJULLU
Desiree is an academic and head of the chiropractic department at Durban University of Technology (DUT), South Africa. She received her M.Tech in chiropractic from DUT and served as a part-time lecturer while working in private practice prior to joining the university on a full-time basis. As well as her leadership role in the department, Desiree also supervises Masters students, having experience in a range of approaches, including clinical trials and qualitative studies. Desiree holds a PhD in Health Sciences and an Advanced Diploma in Business Administration.

Dr. David WICKES DC, MA
David is the President of the Canadian Memorial Chiropractic College. He has decades of academic experience, having previously served at the University of Bridgeport, University of Western States and National University of Health Sciences. He is recognized for his work in simulation-based learning. He has widely promoted the linkage of accreditation to continuous quality improvement in the education setting and has held a number of roles on the Council on Chiropractic Education (US).
Program at a glance

**Fast facts**

**Wednesday, November 2**
- 2:00pm - 5:00pm Exhibition set-up
- 2:00pm - 5:00pm Poster set-up
- 2:00pm - Registration opens
- 6:30pm - 8:00pm Welcome reception

**Thursday, November 3**
- 7:30am - Registration opens
- 8:30am - 5:30pm Conference Program and Exhibition

**Friday, November 4**
- 8:30am - 5:30pm Conference Program and Exhibition
- 5:30pm - 6:30pm Logan University reception

**Saturday, November 5**
- 8:30am - 4:45pm Conference Program and Exhibition
- 3:30pm - Exhibition tear-down and Poster removal

**In 2018, there were:**
- Over 160 attendees
- 10 exhibitors
- International attendees from 35 educational institutions
- Representatives present from each of the WFC’s 7 world regions
- International speakers from as far afield as Australia, France, South Africa, Spain, Belgium, Canada, Switzerland, Denmark, Mexico, Netherlands and the United States
- Students engaged at a number of levels.

**There are now over 50 chiropractic educational institutions worldwide.**
Thank you to our Conference Partners

Exclusive presenting sponsor of the 11th WFC ACC Global Education Conference

Activator Methods International has been providing chiropractic care, resources and training since 1967. Founded on the principles of clinical research, the company's major contribution to chiropractic care is the discovery and development of the world's most popular instrument adjusting technique, the Activator Method.

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WE TAKE CARE OF OUR OWN.

THE JOINT chiropractic

MYOVISION

INTERNATIONAL MEDICAL UNIVERSITY MALAYSIA
Conference venue

This year’s WFC ACC Global Education Conference will be held in the magnificent Purser Center, located on the beautiful 112-acre campus of Logan University.

Logan University is situated in the town of Chesterfield, a 20-minute journey from St Louis International Airport and approximately 25 minutes from the city of St Louis, in the U.S. state of Missouri.

Founded in 1935, Logan University merged with a number of other chiropractic colleges over the years and acquired its present site, a former seminary, in 1972. Numerous additional buildings have been constructed, with major renovations having taken place over the years. Earlier this year, Logan University hosted a ground breaking ceremony for the new Fuhr Science Center, named in honor of major benefactors, Arlan and Judi Fuhr.

The Purser Center has three indoor auditoriums and an outdoor amphitheater. With glass walls and terrazzo marble flooring, it boasts an architecturally stunning, 10,000 square foot lobby area, which will be the location for the conference trade stands, lunches and refreshment breaks.

Versatile, accessible and spectacular, the Purser Center is the perfect location for the WFC ACC Education Conference. The plenary sessions will be held in the main auditorium, while the afternoon research presentations and workshops will be split between the equally impressive breakout rooms.

With its main 900-seater theater and two 150-seater auditoriums, the Purser Center promises to be one of the most impressive venues ever to host a WFC ACC Chiropractic Education Conference.

Featuring state-of-the-art sound and lighting, the 2022 WFC ACC Chiropractic Education Conference will be an unforgettable experience.

Don’t miss the opportunity to experience Midwest hospitality, the vibrant and historic nearby city of St Louis, featuring its iconic Gateway Arch, art galleries, museums and rich parkland.
Life never stops teaching.

As a premier health sciences university, Logan’s mission and curriculum are grounded in evidence-informed, outcome-based ongoing research activity. Our faculty are top-notch in their research; presenting locally, regionally, nationally and internationally.

logon.edu/research
Introduction

Leveling up has increasingly been referred to in society, particularly in relation to moral, social and economic dimensions. Essentially, it means that no one should be left behind.

Not everyone benefits equally from service provision, in society in general, and in education in particular. While talent may be spread equally, opportunity is not. Leveling up is a mission to challenge that unfairness. Leveling up means giving everyone the opportunity to flourish. Leveling up means putting an end to inequality.

In chiropractic education, leveling up means tackling inequalities in teaching and learning, meeting competencies and ensuring that the delivery of education achieves and exceeds basic minimum standards. Leveling up is about raising the bar for all.

Consistency, continuity and coordination are frequently referred to as the "three C's" of seamless patient care. Yet in considering the education of health professionals, it is arguably as important that these values are applied to training. The expectations of patients and the public are such that care received in one area of a country or continent should be broadly similar to that received by another patient of the country.

This conference will tackle issues of consistency in chiropractic education. It will look at competencies, curriculum design, application of evidence, accreditation and testing, supporting faculty, meeting student expectations and achieving consistent graduate outcomes.

Conference objectives

The WFC / ACC Chiropractic Education Conference is the world’s premier event dedicated to chiropractic education and training. This outstanding conference will bring together leaders and international experts to discuss and debate emerging trends in chiropractic education and will showcase the latest evidence-informed educational research.

Delegates will have the opportunity to listen to renowned international experts in the field of health care education and share best practices from around the world. Inspiring, interactive workshops will focus on enhancing the learner experience whilst equipping faculty to develop skills and knowledge by better understanding innovations in key areas of knowledge transfer.

At the same time, other stakeholders in chiropractic education, including national association leaders, will develop fresh perspectives to inform national and international development of the chiropractic profession.

Who should attend?

This conference addresses subjects that are of importance not only to those who are engaged in leadership and teaching in chiropractic education and research but also to practicing chiropractors.

The meeting will be of interest to leaders and faculty from chiropractic educational institutions and organizations as well as representatives of chiropractic associations and all interested in current developments in health care delivery systems relevant to chiropractic.
# Conference program

*Program subject to change

## Conference program

### Wednesday, November 2, 2022

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<th>Location</th>
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<td>Lobby</td>
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<td>REGISTRATION OPENS</td>
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<td>Lobby</td>
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### Thursday, November 3, 2022

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<tr>
<td>Lobby</td>
<td>7:30</td>
<td>REGISTRATION OPENS</td>
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<tr>
<td>Walters Auditorium</td>
<td>8:30 9:00</td>
<td>CONFERENCE OPENING &amp; WELCOME</td>
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<td>John Maltby, President, World Federation of Chiropractic (USA)</td>
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<td>David Wickes, Vice-Chair, Association of Chiropractic Colleges (USA)</td>
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<td>Clay McDonald, President, Logan University (USA)</td>
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<td>Arlan Fuhr, Chairman and Founder, Activator Methods (USA)</td>
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### Session A: Leveling Up - The Case for Equity in Chiropractic Education

**Session Chair:** Desiree Varatharajullu, Head of Chiropractic Department, Durban University of Technology (South Africa)

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<thead>
<tr>
<th>Location</th>
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<tr>
<td>Walters Auditorium</td>
<td>9:00 9:50</td>
<td>LEADING WITH EMPATHY: HUMANIZING DEI</td>
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<td></td>
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<td>Celina Caesar-Chavannes, Author of ‘Can You Hear Me Now?’, former Canadian Member of Parliament and DEI campaigner (Canada)</td>
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<tr>
<td>Walters Auditorium</td>
<td>9:50 10:05</td>
<td>MAKING THE RIGHT ADJUSTMENTS</td>
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<td>Amy Miller, Senior Lecturer, AECC University College</td>
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<tr>
<td>Walters Auditorium</td>
<td>10:05 10:20</td>
<td>ELIMINATING BARRIERS TO CHIROPRACTIC EDUCATION</td>
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<td>Shelley Sawalich, Dean of Students, Logan University (USA)</td>
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<tr>
<td>Walters Auditorium</td>
<td>10:20 10:30</td>
<td>Q&amp;A SESSION</td>
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**REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING**
SESSION B: STAYING THE COURSE - DEVELOPING CONSISTENCY IN STUDENT ADMISSIONS
Session Chair: Daniel Moore, Head of Department, Teesside University (UK)

Walters Auditorium  11:00  11:15  TALENT SPOTTING: CANDIDATES IN THE SPOTLIGHT
Patti Scott, Registrar, Canadian Memorial Chiropractic College (Canada)

Walters Auditorium  11:15  11:30  HOLISTIC REVIEW IN ADMISSIONS
Kimberleve Rolon, Associate Director of Academics, Universidad Central del Caribe (Puerto Rico)

Walters Auditorium  11:30  12:30  PANEL DISCUSSION: ADMISSIONS - AN INEXACT SCIENCE?
Natacha Douglas, Vice President of Admissions and Financial Aid, Logan University (USA)  (Moderator)
Phillip Dewhurst, Head of School (Chiropractic) AECC University College (UK)
Deborah Bushway, President, North Western Health Sciences University (USA)
Danica Brousseau, Director, Chiropractic program, Université du Québec à Trois-Rivières (Canada)
Carl Cleveland III, President, Cleveland University (Kansas City) (USA)

LUNCH, VENDOR EXHIBITION AND POSTER VIEWING
Lunch sponsored by International Board of chiropractic examiners

TRACK A1

Walters Auditorium  2:00  3:30  EDUCATION RESEARCH PLATFORM PRESENTATIONS
Moderator: Sarah Graham, Postdoctoral Associate, Yale University (USA)

Chiropractic students' learning and study strategies and association between anxiety and concentration
Monica Smith, Krista Ward, Dale Johnson

Survey of attitudes and perceived barriers to scholarship and research among Doctor of Chiropractic program faculty
Mark Pfefer, Rebecca Wates, Emily Ford

Burnout syndrome in chiropractic interns: a pilot longitudinal study
Gary Tam, Jesse Cooper, Gregory Priest, Katherine Pohlman
### TRACK A1 (CONTINUED)

**Walters Auditorium** 2:00 3:30

**EDUCATION RESEARCH PLATFORM PRESENTATIONS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>Assessing and monitoring diversity in education – development and use of the Action &amp; Participation Plan (APP)</td>
<td><em>Christina Cuntiffe, Matthew Green, Adrian Hunnisett</em></td>
</tr>
<tr>
<td>The experiences of first-time registered chiropractic students at a South African university of technology regarding their transition from high school to university</td>
<td><em>Keiron Boosi, Desiree Varatharajullu</em></td>
</tr>
<tr>
<td>Why study chiropractic? A qualitative analysis of student choices</td>
<td><em>Philip Dewhurst</em></td>
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<tr>
<td>Medical students' experiences as patients in a chiropractic student clinic and its impact on future interprofessional collaborations</td>
<td><em>Mayda Serrano, Marcia Garcia</em></td>
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<tr>
<td>Contrast bias in grading student clinical interns across the transition between trimesters</td>
<td><em>Michael Sheppard, Stephanie Johnson, John Ward</em></td>
</tr>
<tr>
<td>A description of chiropractic students’ skills and importance for evidence-based practice competencies: a 6-year serial cross-sectional survey</td>
<td><em>Larissa Armstrong-Kager, Christopher Malaya, Ashley Long, Dana Lawrence, Katherine Pohlman</em></td>
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</tbody>
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### TRACK B1

**North Mabee** 2:00 3:30

**INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING**

**Moderator:** Bart Green, Editor-in-Chief, Journal of Chiropractic Education (USA)

<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>Development of a clinical reasoning assessment tool based on a modified OSCE and a longitudinal clinical vignette</td>
<td><em>Danica Brousseau</em></td>
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<tr>
<td>Interprofessional student-led clinics: an educational opportunity to realise WFC EPIC principles</td>
<td><em>Amy Miller, Edwin van Teijlingen, Sue Way, Alison Taylor</em></td>
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</tbody>
</table>
THURSDAY, NOVEMBER 3, 2022

TRACK B1 (CONTINUED)

North Mabee  2:00  3:30  INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING

The use and benefits of a construct-aligned scale for clinical assessment

*Christopher Petrie, Christopher Smoley, Katie Burns-Ryan*

Contextualised admissions in chiropractic education

*Hazel Jensen, Philip Dewhurst*

Passion driven project – A capstone experience to integrate biomedical knowledge, behavior change and self care in chiropractic students

*Martha Garcia, Francisco Davila, Jose Quidgely, Alvaro Perez*

TRACK C1

South Mabee  2:00  3:30  WORKSHOPS (45 MINUTES EACH)

The WHO Global Competency Framework for Universal Health Coverage: are we training chiropractors to meet these competencies in support of their role as an integral part of the global health workforce?

*Deborah Kopansky-Giles, Deborah Bushway, Anthony Tibbles*

Public health in chiropractic education: revisiting competencies in a post-COVID world

*Michele Maiers, Rebekah Wilks*

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

TRACK A2

Walters Auditorium  4:00  5:30  EDUCATION RESEARCH PLATFORM PRESENTATIONS

Moderator: Danica Brousseau, Clinical Professor, UQTR (Canada)

Impacts of the Covid-19 pandemic on ECCE accredited programs: a mixed-methods audit

*Chris Yelverton, Cynthia Peterson, B. Kim Humphreys, Kenneth Vall*

What did we learn about learning from the pandemic?

*David Wickes*
THURSDAY, NOVEMBER 3, 2022

TRACK A2 (CONTINUED)

Chiropractic faculty experiences of burnout and the COVID-19 pandemic
Krista Ward, Bradley Francis, Ricky Wong, Melinda Pham, Monica Smith

A cross-sectional study of Australian chiropractors’ and students’ readiness to identify and support patients experiencing intimate partner violence
Keri Moore, Lyndon Amorin-Woods, Deisy Amorin-Woods, Dein Vindigni, Navine Haworth

Role of videoconferencing in the training of patient history-taking
Christopher Marchese

Evidence mapping of lecture capture research in the health professions: an updated analysis
David Wickes

Cultural competency of students in diversity and health class: results from three assessments.
Lisa Killinger

TRACK B2

North Mabee  4:00  5:30  INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING
Moderator: Bart Green, Editor-in-Chief, Journal of Chiropractic Education

Fully integrated musculoskeletal point-of-care ultrasound training for chiropractic students
Jake Halverson, Alvaro Peres

Using technology to help create consistency in chiropractic
Rose Olsen-Long
**Conference program**

*Program subject to change*

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**THURSDAY, NOVEMBER 3, 2022**

- **Empathy in chiropractic education: a novel approach**
  - *Scott Dunham, David Starmer, Lauren Ead*

- **3D Printing to enhance anatomy education**
  - *Victoria Lyons, Sheryl Walters, Jonah Finocchiaro*

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**TRACK C2**

<table>
<thead>
<tr>
<th>Location</th>
<th>Time</th>
<th>Workshop Title</th>
<th>Speaker(s)</th>
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</thead>
</table>
| South Mabee| 4:00  | WORKSHOPS (45 MINUTES EACH) | Interprofessional student-led practice: exploring opportunities and developing skills for implementation  
  *Amy Miller, Philip Dewhurst, Hazel Jensen*  
  Developing core competencies for interprofessional relationships in integrated care settings  
  *Jason Napuli, Zachary Cupler, Clinton Daniels, Anna-Marie Ziegler, Matthew Kneiper, Robert Walsh* |

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**END OF DAY 1**
FRIDAY, NOVEMBER 4, 2022

SESSION C: CREATING CONSISTENCY IN REMOTE TEACHING AND LEARNING
Session Chair: Carl Cleveland III, President, Cleveland University (Kansas City), Missouri (USA)

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<th>Time</th>
<th>Event</th>
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| 8:30  | LIGHTS, CAMERA, EDUCATION! HOW TO DEVELOP A COMPELLING ONLINE PRESENTATION  
      | Shawn Thistle, RRS Education (Canada)                                    |
| 9:00  | HARNESSING TECHNOLOGY FOR ONLINE DELIVERY                               
      | David Wickes, President, Canadian Memorial Chiropractic College     
      | (Canada)                                                               |
| 9:15  | LESSONS FROM PIVOTING TO E-LEARNING                                     
      | Arlan Fuhr, Chairman and Founder, Activator Methods (USA)             |
| 9:45  | FROM STAGE TO SCREEN: SUPPORTING FACULTY IN MEETING ONLINE EXPECTATIONS  
      | Michael Moore, Associate Professor, Parker University (USA)            |

REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

SESSION D: CREATING CONSISTENCY IN GRADUATE OUTCOMES
Session Chair: Kristina Petrocco Napuli, Interim Dean, Logan University College of Chiropractic (USA)

<table>
<thead>
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<th>Time</th>
<th>Event</th>
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| 11:00 | DEFINING KNOWLEDGE, SKILLS AND COMPETENCIES TO MEET EXPECTATIONS OF THE PUBLIC  
      | Stuart Smellie, Director of Academic Affairs, Royal College of Chiropractors (UK)  |
| 11:15 | EVOLUTION OF A NEW REGIONAL ACCREDITATION AGENCY FOR LATIN AMERICA     
      | Mayda Serrano, Dean of Clinics, Universidad Central del Caribe (Puerto Rico) |
| 11:30 | TAKING A FRESH LOOK AT CONSISTENCY IN ACCREDITATION STANDARDS          
      | Joseph Brimhall, President, University of Western States (USA)         |
SESSION D (CONTINUED)

Walters Auditorium  11:45  12:30

PANEL DISCUSSION: IS CONSISTENCY IN CHIROPRACTIC EDUCATION ESSENTIAL FOR PROFESSIONAL GROWTH?

Olivier Lanlo, President, Institut Franco-Europeen de Chiropraxie (France) (Moderator)

Navine Haworth, Academic Dean, Australian Chiropractic College (Australia)

Trevor Foshang, Dean of Chiropractic, Campbellsville University, Kentucky (USA)

Waleska Crespo Rivera, President, Universidad Central del Caribe (Puerto Rico)

Cynthia Peterson, Chair, Councils on Chiropractic Education International

LUNCH, VENDOR EXHIBITION AND POSTER VIEWING

Lunch sponsored by Logan University

TRACK A3

Walters Hall  2:00  3:30

EDUCATION RESEARCH PLATFORM PRESENTATIONS

Moderator: Anthony Tibbles, Dean of Clinics, Canadian Memorial Chiropractic College (Canada)

Process of Integrating Evidence (PIE) for Complementary and Integrative Healthcare (CIH) educators: confidence changes to use and teach evidence-based practice (EBP)

Katherine Pohlman, Craig Jacobs, Katie Hoyt, Joshua Goldenberg, Ron LeFevbre, Dana Madigan

Interprofessional collaboration: hospital rotation experience for chiropractic interns and medical doctors at a neuromusculoskeletal department in an acute care hospital

Mayda Serrano, Waleska Crespo

From promoting interest to writing quality scientific literature: an experimental educational intervention

Arantxa Ortega, Carlos Gevers, Ricardo Fujikawa

A comparative audit of jurisprudence, ethics and business management (JEB) courses taught at 21 accredited chiropractic

Brian Gleberzon
Teaching social determinants of health in one chiropractic program: pathways for Implementation within didactic and experiential learning

Jevinne Khan, Patrick Battaglia, Jordan Gliedt, Joseph Pfeifer

Attitudes, beliefs, and recommendations for chronic low back pain patients: cross-sectional surveys of a chiropractic teaching institution

Ryan Muller, Jesse Cooper, Jordan Gliedt, Katherine Pohlman

Use and attitudes toward diagnostic ultrasonography a cross-sectional survey in an educational clinic setting

Nicole Zipay, John Chin-Suk Cho

A hospital based interprofessional chiropractic clinic

Waleska Crespo

Teaching mental health awareness to chiropractic students

Deborah Kopansky-Giles

Development and use of a comprehensive clinical internship dashboard

Christopher Smoley, Christopher Petrie, Katie Burns-Ryan

Preparing for practice: spine surgery in case-based chiropractic education

Joel Carmichael

The need and feasibility of a Doctor of Chiropractic program at a public research-intensive university in the USA

Michael Schneider, Michael Wiles
# FRIDAY, NOVEMBER 4, 2022

## TRACK C3

**South Mabee**

### WORKSHOPS (45 MINUTES EACH)

- **Improving cultural competence in Canadian chiropractic students and the profession**
  - *Ayla Azad, Scott Dunham, Silvano Mior, Karin Hammerich, Danielle Annamalai, Alison Dantas*

- **How to establish a quality learning environment that facilitates transformative learning**
  - *Cortny Williams*

### REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING

## TRACK A4

**Walters Hall**

### EDUCATION RESEARCH PLATFORM PRESENTATIONS

**Moderator:** Amy Miller, Lecturer, Clinical Sciences, AECC University College (UK)

- **Imposter phenomenon in chiropractic education**
  - *Scott Dunham, Alexandra Sgro, David Starmer*

- **Comparing student perceptions of the impact of peer feedback in team-based learning and other student-centered learning activities**
  - *Emily Boggess, Cecilia Martin, Cortny Williams*

- **Establishing chiropractic interprofessional postdoctoral fellowship programs in research and health policy: experiences from two United States medical schools**
  - *Sarah Graham, Wren Burton, Matthew Kowalski, Peter Wayne, Cynthia Brandt, Anthony Lisi*

- **Measuring the quality of the OSCE in a chiropractic program: a review of metrics and recommendations**
  - *Alice Cade, Nimrod Meuller*

- **The Councils on Chiropractic Education International Mapping Project: comparing member agencies’ standards to the framework**
  - *Cynthia Peterson, Kristi Randhawa, Lynn Shaw, Michael Shobbrook Lenore Edmunds, Drew Potter*
**conference program**

*Program subject to change*

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**FRIDAY, NOVEMBER 4, 2022**

**TRACK A4 (CONTINUED)**

<table>
<thead>
<tr>
<th>Topic</th>
<th>Presenters</th>
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</thead>
<tbody>
<tr>
<td>Cultural competency among Canadian chiropractors: a national survey</td>
<td>Silvano Mior, Nooralhuda Bakaa, Danielle Annamalai, Luciana Macedo, Lisa Carlesso, Joy Christianne McDermid</td>
</tr>
<tr>
<td>Effect of video announcements on instructor presences and student engagement in the graduate online classroom</td>
<td>Jessica Hilton</td>
</tr>
<tr>
<td>Chiropractic curricula mapping to establish exam competency: a content validity study</td>
<td>Bruce L. Shotts, Gabriel Owusu, Igor Himmelfarb</td>
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<tr>
<td>Examining the relationship between test taking time and test scores: evidence from chiropractic pre-licensure testing programs</td>
<td>Igor Himmelfarb, Bruce L. Shotts, Andrew Gow</td>
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</table>

**TRACK B4**

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00</td>
<td>INNOVATIONS IN CHIROPRACTIC TEACHING AND LEARNING</td>
<td>North Mabee</td>
</tr>
<tr>
<td>5:30</td>
<td></td>
<td>Moderators: Phillip Dewhurst, Head of School of Chiropractic, AECC University College (UK)</td>
</tr>
<tr>
<td></td>
<td>Faculty manuscript writing program</td>
<td>Zak Monier, Katherine Pohlman</td>
</tr>
<tr>
<td></td>
<td>Monitoring academic engagement to identify students at risk and intervene before it is too late</td>
<td>Celia Maguire</td>
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<tr>
<td></td>
<td>Utilization of force sensing tables to access psychomotor skills utilized in the chiropractic adjustment</td>
<td>Daryl Ridgeway</td>
</tr>
<tr>
<td></td>
<td>Transmedia storytelling to understand infectious diseases</td>
<td>Martha Garcia, Alvaro Perez</td>
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</tbody>
</table>
**Conference program**

*Program subject to change*

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**FRIDAY, NOVEMBER 4, 2022**

**TRACK C4**

<table>
<thead>
<tr>
<th>Location</th>
<th>Time</th>
<th>Workshops (45 Minutes Each)</th>
</tr>
</thead>
</table>
| South Mabee | 4:00  | Educating educators on evidence  
*John Stites, Ron LeFebvre, Katherine Pohlman, Craig Jacobs*  
Using interactive educational technologies to facilitate active learning  
*Yuan Gao* |

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**VENUE SPONSOR RECEPTION**

Logan University cordially invites all Education Conference delegates to attend a reception, to be held Friday, November 4, 5:30 - 6:30pm, in the Student Center.
**Conference program**

*SATURDAY, NOVEMBER 5, 2022*

**SESSION E: PREPARING STUDENTS FOR INTERPROFESSIONAL PRACTICE**

Session Chair: Ricardo Fujikawa, Head of Chiropractic, Madrid Chiropractic College, El Escorial (Spain)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30</td>
<td>WHAT I WISH I'D KNOWN AT THE TIME: THE CHALLENGES OF ADJUSTING TO REALITY</td>
<td>Rebekah Wilks, former SACA/NextGen member</td>
</tr>
<tr>
<td>8:45</td>
<td>CONSISTENTLY BEST BEHAVIOR: TEACHING PROFESSIONAL STANDARDS TO PREVENT ETHICAL INFRACTIONS</td>
<td>Stuart Kinsinger (Canada)</td>
</tr>
<tr>
<td>9:00</td>
<td>RESIDENCIES IN THE VETERANS AFFAIRS ADMINISTRATION</td>
<td>Anthony Lisi, Department of Veterans Affairs (USA)</td>
</tr>
<tr>
<td>9:15</td>
<td>EMBEDDING INTERPROFESSIONALISM IN A HEALTH SCIENCES UNIVERSITY</td>
<td>Lesley Haig, Vice Chancellor and Chief Executive, AECC University College (UK)</td>
</tr>
<tr>
<td>9:30</td>
<td>SIDE BY SIDE: INTERPROFESSIONAL TEACHING AND LEARNING IN SWITZERLAND</td>
<td>Mirjam Baechler, Head of Study Program, Chiropractic Department, University of Zurich (Switzerland)</td>
</tr>
<tr>
<td>9:45</td>
<td>CONSISTENCY IN INTERPROFESSIONAL, PEOPLE-CENTERED REHABILITATION</td>
<td>Tony Delitto, Dean, School of Health and Rehabilitation Sciences, University of Pittsburgh (USA)</td>
</tr>
</tbody>
</table>

**REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING**

**SESSION F: CREATING CONSISTENCY FOR GLOBAL PORTABILITY**

Session Chair: Clay McDonald, President, Logan University, Missouri (USA)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Details</th>
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</thead>
<tbody>
<tr>
<td>11:00</td>
<td>PREPARING STUDENTS FOR REGULATORY COMPLIANCE</td>
<td>Donna Cohen, Executive Director, International Chiropractic Regulatory Society (International)</td>
</tr>
<tr>
<td>11:15</td>
<td>MEETING PUBLIC EXPECTATIONS THROUGH STANDARDIZED ASSESSMENT</td>
<td>Norman Ouzts, Executive Director, NBCE/IBCE (USA)</td>
</tr>
<tr>
<td>11:30</td>
<td>ESTABLISHING A BENCHMARK FOR SPORTS CHIROPRACTIC</td>
<td>Brian Nook, Executive Management Committee Member, FICS (USA)</td>
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<tr>
<td>Time</td>
<td>Session</td>
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<tr>
<td>11:45</td>
<td><strong>FROM COWBOY TO PIT CREW: ADAPTATION TO A NEW ENVIRONMENT</strong></td>
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<tr>
<td></td>
<td>Bart Green, Editor, Journal of Chiropractic Education</td>
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<tr>
<td>12:00</td>
<td><strong>RESEARCH AWARDS: CERF-WFC ALAN ADAMS CHIROPRACTIC EDUCATIONAL RESEARCH</strong></td>
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<tr>
<td></td>
<td>Bart Green, Editor, Journal of Chiropractic Education</td>
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<tr>
<td></td>
<td>Richard Brown, Secretary-General, World Federation of Chiropractic</td>
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</tbody>
</table>

**LUNCH BREAK, VENDOR EXHIBITION AND POSTER VIEWING**

**SESSION G: LEVELING UP AND CONSISTENCY - SHAPING THE FUTURE**
Session Chair: Michael Mestan, President, Northeast College of Health Sciences, New York (USA)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30</td>
<td><strong>CONSISTENCY AND THE TRIAD OF TRUST: PROFESSIONALISM, PATIENTS AND PARTNERSHIPS</strong></td>
</tr>
<tr>
<td></td>
<td>Richard Brown, Secretary-General, World Federation of Chiropractic</td>
</tr>
<tr>
<td></td>
<td>(Canada)</td>
</tr>
<tr>
<td>2:00</td>
<td><strong>HOW TO LEVEL UP CHIROPRACTIC EDUCATION WITH UNIVERSAL DESIGN FOR LEARNING</strong></td>
</tr>
<tr>
<td></td>
<td>Thomas J. Tobin, Center for Teaching, Learning and Mentoring, University</td>
</tr>
<tr>
<td></td>
<td>of Wisconsin - Madison (USA)</td>
</tr>
</tbody>
</table>

**REFRESHMENT BREAK, VENDOR EXHIBITION AND POSTER VIEWING**

**SESSION H: MEETING OF MINDS - CREATING CONSENSUS**
Session Chairs: Shawn Thistle (Canada) and Craig Little (USA)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30</td>
<td><strong>DEVELOPING CONFERENCE CONSENSUS STATEMENTS</strong></td>
</tr>
<tr>
<td></td>
<td>Facilitators: Shawn Thistle (Canada) &amp; Craig Little (USA)</td>
</tr>
<tr>
<td>4:30</td>
<td><strong>CLOSING REMARKS</strong></td>
</tr>
<tr>
<td></td>
<td>Richard Brown &amp; Anne Marie Munson</td>
</tr>
</tbody>
</table>

**END OF DAY 3**

**END OF CONFERENCE**
GLOBAL
TEST DEVELOPMENT
ADVANCING CHIROPRACTIC CARE
THROUGHOUT THE WORLD
IBCE.ORG
Poster Presentations

Practical and clinical training in chiropractic education: learning the lessons from the pandemic
Christina Cunliffe, Dan Ruby, Khalim Mehrabi, Laura Pendleton, Adrian Hunisett

Diversity, equity and inclusion accreditation standards in the US: a content analysis leading to proposed changes
Craig Little

A research honors program in a U.S. Doctor of Chiropractic program
Cynthia Long

Where are we in the tapestry of learning? Rediscovering the threads of learning via a content review of chiropractic courses
Alice Cade, Marina Fox

Influences on ideology, beliefs and practice patterns of United States chiropractors: a secondary analysis of a national survey
Zachary Cupler, Jordan Gliedt, Stephen Perle, Aaron Puhl, Michael Schneider,

Developing chiropractic students' clinical practice skills - elements of best practice: a qualitative exploratory descriptive study
Navine Haworth

Correlation between NBCE Part I performance and the curriculum in the Doctor of Chiropractic program at Universidad Central del Caribe
Kimberleve Rolon-Reyes

The reliability of an electronic health record audit in a chiropractic teaching clinic: study results and improvements
Craig Jacobs

Building for the future: the RAND Center for Collaborative Research in Complementary and Integrative Health
Patricia Hernan, Ian Coulter, Jeanmarie Burke, Stephen Cypher, Nipher Malika, Margaret Whitley

Staying connected with research articles: using Read by QxMD to connect users with the library
Sheryl Walters, Victoria Lyons, Jason Goodman

Changes in chiropractic students' attitude toward back pain management after one of three clinical evidence educational training procedures
Katherine Pohlman, Per Palmgren, Zakary Monier, Patrick Boylan, Adam Browning, Kimberly Cerf.

Assessment of ground reactive force of the provider while delivering chiropractic spinal manipulation: a pilot study
Mitchell Ludwig, Steven Reece, Stuart Macintosh, Mark Pfefer

Who wants to be a chiropractor?
Philip Dewhurst

General Chiropractic Council (GCC) UK fitness to practise principles and professional ethics: creation of a study guide to facilitate learning
Stuart Kinsinger, David Byfield

Using an active surveillance reporting system to prospectively identify adverse events at the Macquarie University chiropractic teaching clinics
Christopher Burrell, Aron Downie, Katherine Pohlman, Martha Funabashi, Rosemary Giuriato, Katie da Luca
Poster Presentations

Facilitator guide: teaching motivational interviewing and the SBIRT Method through an interprofessional simulated clinical experience learning activity
Jeffrey Kamper

Assessment for learning: an essential component of student engagement
Celia Maguire

Exploring clinician perceptions of a care pathway for the management of shoulder pain: a qualitative study
Leslie Verville, Carol Cancelliere, Gaelen Connell, Joyce Lee, Silvano Mior, Sarah Munce

Examining the validity of chiropractic Grade Point Averages for predicting NBCE Part I exam scores
Igor Himmelfarb, Bruce L. Shotts, Andrew Gow

Impact of face masks in chiropractic students during the COVID-19 pandemic on daily classroom interaction
Ricardo Fujikawa, Arantxa Ortega

History of chiropractic education in New York
William Lauretti

Humanizing diseases
Jeremy Barthels

The conference organizers would like to express their sincere thanks to Brighthall Inc. for overseeing the blinded peer review of submitted abstracts and ensuring integrity of the process throughout.

CERF-WFC Alan Adams Education Research Award Competition
This research award is named in honor of Dr Alan Adams who made significant contributions to chiropractic education and chiropractic education research.

Award Chairs
Richard Brown DC, LLM - World Federation of Chiropractic
Bart Green, DC, MSED, PhD - Journal of Chiropractic Education

Selection Committee (WFC World Region)
David Byfield, DC, MPhil - Welsh Institute of Chiropractic, University of South Wales (Europe)
Michael Mestan, DC, MS, EdD - Northeast College of Health Sciences (North America)
John Moore, DC, MEd, EdD - Texas Chiropractic College (North America)
Stephney Whillier, BSc, BED, PhD - Macquarie University (Pacific)
Yi Kai Wong, MSc, BSc(Chiro) - Centre For Complementary and Alternative Medicine, IMU Malaysia (Asia)

Review Manager
Claire Johnson, DC, MSED, PhD - National University of Health Sciences and Chiropractic Educators Research Forum
A total of 110 abstracts were received in response to a call that was issued late in 2021. Twenty-six experts from around the world, led by Peer Review Chair Dr Bart Green, individually reviewed each of the abstracts and scored them on a range of parameters.

In ensuring the integrity of the process, Peer Reviewers played no part in reviewing abstracts to which they were connected.

The WFC and ACC are most grateful to Dr Green and his committee for their outstanding efforts to assure the quality of education research presented at this conference.

### Peer Review Team, 11th WFC ACC Chiropractic Education Conference

**Chair:**
Bart Green, DC, MSEd, PhD

**Committee:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hasan Kerem Alptekein, MD</td>
<td>Bahçeşehir Üniversity</td>
</tr>
<tr>
<td>Ilili Arar, PhD</td>
<td>Northeast College of Health Sciences</td>
</tr>
<tr>
<td>Mirijam Baechler, DC, MMed</td>
<td>University of Zurich</td>
</tr>
<tr>
<td>Richard Brown DC, LLM</td>
<td>World Federation of Chiropractic</td>
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<tr>
<td>Jorge Castillo Hernandez DC</td>
<td>Universidad Veracruzana</td>
</tr>
<tr>
<td>Trevor Foshang</td>
<td>Campbellsville University</td>
</tr>
<tr>
<td>Bart Green</td>
<td>Journal of Chiropractic Education</td>
</tr>
<tr>
<td>Xiaohua He, MD, MS</td>
<td>Palmer College of Chiropractic Florida</td>
</tr>
<tr>
<td>Dana Hollandsworth, DC</td>
<td>Parker University</td>
</tr>
<tr>
<td>Claire Johnson, DC, MSEd, PhD</td>
<td>National University of Health Sciences</td>
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<tr>
<td>Martha Kaeser, DC, Med</td>
<td>Logan University</td>
</tr>
<tr>
<td>Charmaine Korporal, Mtech</td>
<td>Durban University of Technology</td>
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<tr>
<td>Mark Langweiler, DC</td>
<td>London south Bank University</td>
</tr>
<tr>
<td>Arnaud Lardon, DC, PhD</td>
<td>Institut Franco-Européen de Chiropratique</td>
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<tr>
<td>Makani Lew, DC</td>
<td>Palmer College of Chiropractic (West)</td>
</tr>
<tr>
<td>Barrett Losco MChiro, MPA</td>
<td>Murdoch University</td>
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<tr>
<td>Clay McDonald, DC, MBA, JD</td>
<td>Logan University</td>
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<tr>
<td>Daniel Moore, BSc (Hons), MChiro</td>
<td>Teesside University</td>
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<tr>
<td>John Mrozek, DC, MED, EdD</td>
<td>Texas Chiropractic College</td>
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<tr>
<td>Thiana Paula Schmidt dos Santos, DC</td>
<td>Centro Universitario Fevale</td>
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<tr>
<td>Kristina Petrocco-Napuli, DC, MS</td>
<td>Logan University</td>
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<tr>
<td>Sharné Pillay, MTech (Chiro)</td>
<td>University of Johannesburg</td>
</tr>
<tr>
<td>Eric Russell, DC</td>
<td>Parker University</td>
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<tr>
<td>Michael Tunning, DC, ATC, MS</td>
<td>Palmer College of Chiropractic</td>
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<tr>
<td>Adrian Wenban, DC, MMedSc</td>
<td>Barcelona College of Chiropractic</td>
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<tr>
<td>Jon Wilson, MS, DC</td>
<td>Cleveland University</td>
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Registration fees (USD)

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<th>REGISTRATION LEVEL</th>
<th>EARLY BIRD (to September 30)</th>
<th>STANDARD</th>
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<tbody>
<tr>
<td>Attendees from Asia, Europe, Eastern Mediterranean, North America, Pacific regions</td>
<td>First educational institution representative</td>
<td>695</td>
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<tr>
<td></td>
<td>Second and subsequent representatives</td>
<td>595</td>
</tr>
<tr>
<td></td>
<td>Full-time student</td>
<td>295</td>
</tr>
<tr>
<td></td>
<td>Non-affiliated individuals</td>
<td>695</td>
</tr>
<tr>
<td>Attendees from Africa, Latin America regions</td>
<td>First educational institution representatives</td>
<td>395</td>
</tr>
<tr>
<td></td>
<td>Second and subsequent representatives</td>
<td>295</td>
</tr>
<tr>
<td></td>
<td>Full-time student</td>
<td>195</td>
</tr>
<tr>
<td></td>
<td>Non-affiliated individuals</td>
<td>395</td>
</tr>
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</table>

CANCELLATION POLICY

Cancellations received by August 31, 2022 will be eligible for a full refund.

Cancellations received between September 1, 2022 and October 15, 2022 will be eligible for a 50% refund.

Cancellations received after October 15, 2022 are non-refundable.

Please note that all eligible refunds will be subject to a 2% administration charge and will be processed after the conference.
Accommodation

Official Conference Hotel:

DRURY PLAZA ST LOUIS CHESTERFIELD
355 Chesterfield Center
Chesterfield
MO 63017
United States

Conveniently located close to Logan University, the Drury Plaza St Louis Chesterfield is just a 6-minute drive away.

Representing outstanding value for money, the negotiated room rate of US$128 (+ applicable taxes) includes breakfast and early evening snacks with cold beverages.

This recently refurbished hotel has the following additional facilities:
- 24-hour business center
- Indoor/outdoor pool and whirlpool
- Complimentary Wifi
- Free parking

The Conference has secured a limited number of rooms and early booking is recommended. Rooms will be released on a first-come, first-served basis.

Hotel Reservations can be made by the Conference registrants at www.druryhotels.com using the Group Code 10008590.

Alternatively, reservations may be made by calling 1-800-325-0720 and refer to the Group Code 10008590.

Individual reservations must be canceled prior to 12:00 p.m. on the day before the reservation’s confirmed date of arrival in order to avoid a non-refundable fee equal to one night’s room rate plus tax.

The hotel requires a valid payment card and photo ID to be presented at check in. Check In Time: 3:00 p.m. Check Out Time: 11:00 a.m. Arrangements may be made for baggage storage with the Hotel’s front desk staff.

Cancellations and/or concerns about the hotel and bookings must be dealt directly with the hotel.
The 17th WFC Biennial Congress, hosted by the Australian Chiropractors Association, takes place October 11-14, 2023 at the Gold Coast Conference and Exhibition Centre.

As the world's largest chiropractic scientific meeting and premier global event for the chiropractic profession, it will be an unmissable experience. Save the date and start planning now.
For further information contact the WFC at

+1 416 484 9978

info@wfc.org