CANADIAN BIOMATERIALS SOCIETY
SOCIÉTÉ CANADIENNE DES BIOMATÉRIAUX

BI-ANNUAL NEWSLETTER: Spring 2024

Letter from the President

It has been an honor to lead the CBS during this past year, with the help of an amazing board. We have made progress on some of the goals I had set at the beginning of my mandate, but a lot remains to do for the next President and board members!

I look forward to seeing many of you in Korea at the WBC in less than a month and take advantage of the conference's exciting program. If you are there, don't miss the CBS award symposium, during which we will celebrate the excellence of our awardees Hasan Uludag, Emilio Alarcón and Todd Hoare.

I also hope you all will be present at our Annual General Meeting (in person at the WBC, or online) so you can hear updates about our society, student chapters, and a preview of what CBS2025 will be like! During the AGM we will also elect three new board members and our next president elect. Please submit your nominations! We will be also looking for expressions of interest in hosting CBS2026.

I take this occasion to thank the senior board members who are ending their mandate: Emilio Alarcón, Lindsay Fitzpatrick and Mohsen Akbari. Thank you for your support, dedication and excellent work! I also want to thank our student board member, Ahmed Saad, for his help linking with the many student chapters; and our past-president, Eli Sone, whose help has been invaluable throughout this year.

Wishing you all an excellent end of the spring and a wonderful summer ahead!

Sincerely,
Marta Cerruti
President, Canadian Biomaterials Society

CBS 2024 Annual General Meeting

Save the Date! The CBS Annual General Meeting (AGM) will be held in Daegu, Korea during WBC2024 on **Wednesday, May 29, 2024, at 8:30 – 10:00 am KST** (Tuesday, May 28 at 7:30 – 9:00 pm EST).

Not attending WBC2024? No problem! Invitations to the Zoom meeting will be sent to all current members via email in advance of the meeting.

First Call for Nominations: CBS Board of Directors

CBS Board of Directors - Elected Positions

The CBS invites nominations for several positions within its Board of Directors. Nominations are being sought for the positions of:

- **President-Elect**
- **Senior Board Member** (2024-2026 term; 3 vacancies)
- **Student Board Representative** (2024-2025 term)

Nominations will be accepted by **email before May 27, 11:59 pm EST**, as well as **in person/online at the AGM** (**May 29, 2024, at 8:30 – 10:00 am KST**; Tuesday, May 28 at 7:30 – 9:00 pm EST in person and on Zoom). For your reference, the following Senior Members of the Board will be continuing for the next year:

- **Simon Matoori** (Université de Montréal) 2023-2025
- **Jean-Philippe St-Pierre** (University of Ottawa) 2023-2025

If you are a current CBS member and would like to nominate someone for the President-Elect, Senior or Student Board of Directors' positions in advance of the AGM, please send an email to Isabelle Catelas (current President-Elect) at icatelas@uottawa.ca and Davide Brambilla (current Secretary) at davide.brambilla@umontreal.ca, indicating your support for their nomination, the nominee's full name and email address as well as the name and email address of another CBS member who will have accepted to second the nomination. Advance nominations are strongly encouraged to streamline the nomination process during the AGM; however, nominations will also be accepted during the AGM. Please note that the nomination process will close at the AGM.

All nominees will be contacted, either by direct call at the AGM or by email following the AGM, to verify their acceptance of the nomination. If there are more candidates than positions, the candidates will be asked to provide a maximum 250-word statement regarding their vision for CBS. Subsequently, all CBS members will be sent detailed information for an online election in June. If there are not more nominations than positions, then the candidates will be elected by acclamation without the need of an online election.

CBS Board of Directors - Appointed Positions

The CBS is also soliciting nominations for **Treasurer** and **Secretary** of the Board. If you are a current member and would like to nominate yourself or a current member for either the Treasurer or Secretary position in advance of the AGM, please send an email to icatelas@uottawa.ca indicating your support for the nomination, the nominee's full name and email address. For members interested in serving as Treasurer, please consider committing for a 3-year period. Nominations will also be accepted during the AGM. All nominees will be contacted either directly at the AGM or by email following the AGM, to verify their acceptance of the nomination. Based on the accepted nominations, the CBS Board will appoint the new Secretary and Treasurer.

CBS 2026: Call for Expressions of Interest

The CBS is soliciting Expressions of Interest in hosting the **CBS 2026 Annual Meeting**. If you are a current CBS member and are interested in hosting CBS2026, please contact Isabelle Catelas (icatelas@uottawa.ca; President-Elect).

Thank you for your service!

The CBS would like to thank outgoing Senior Board Members Mohsen Akbari, Emilio Alarcón and Lindsay Fitzpatrick, Student Board Representative Ahmed Saad and Secretary Davide Brambilla for your service to our society. A special thank you to past-President Eli Sone for your leadership over the past three years, and to Thomas Willett for your continued dedication and service to the CBS, most recently in your role as Treasurer.

Mohsen Akbari
Senior Board Member

Emilio Alarcón
Senior Board Member

Lindsay Fitzpatrick
Senior Board Member

Ahmed Saad
Student Representative

Davide Brambilla
Secretary

Tom Willett
Treasurer

Eli Sone
Past-President

Save the Date!

Join us in Kingston for the Canadian Biomaterials Society's 39th Annual Meeting!

Wishing all attendees a great WBC2024!

CBS Events of Interest

CBS Annual General Meeting	**May 29, 2024, 8:30 – 10:00 am KST**
CBS Award Presentation Symposium	**Tuesday, May 28, 4:30 – 6:00 pm KST, room 306-A**

CBS Lifetime Achievement Award

Dr. Hasan Uludağ, PhD
Professor, Department of Chemical and Materials Engineering,
Faculty of Engineering, University of Alberta

CBS Service Award

Dr. Todd Hoare, PhD
Professor, Department of Chemical Engineering,
Faculty of Engineering, McMaster University

CBS Early Career Researcher Award

Dr. Emilio Alarcón, PhD
Associate Professor, Department of Biochemistry, Microbiology, and Immunology, Faculty of Medicine, University of Ottawa
Scientist, Division of Cardiac Surgery Research, University of Ottawa Heart Institute

CBS Award Symposium

Tuesday, May 28 at 4:30 – 6:00 pm KST, room 306-A

Join us to honour our awardees and enjoy their research talks showcasing excellence in Canadian biomaterials research.

12th World Biomaterials Congress WBC2024

CBS Visiting Scholar Award Recipient

Congratulations to **Behzad Bolandi**, the recipient of the 2024 CBS Visiting Scholar Award! Behzad, a PhD Candidate in the lab of Dr. John Trant at the University of Windsor, will be visiting Dr. Stephanie Willerth's lab at the University of Victoria to advance his research in 3D bioprinting ex vivo model tissues.

Please check out the CBS Awards Webpage for further information on all CBS awards.

Behzad Bolandi
CBS Visiting Scholar Awardee

CBS Awards Spotlight: The 2024 CBS Lifetime Achievement, Early Career Investigator and Service Awardees

CBS Lifetime Achievement Award

Dr. Hasan Uludağ, PhD
Professor, Department of Chemical and Materials Engineering,
Faculty of Engineering, University of Alberta

Dr. Hasan Uludağ has been with the University of Alberta since 1997, currently based at the Department of Chemical & Materials Engineering. He holds joint appoints at the Faculty of Medicine & Dentistry and Faculty of Pharmacy & Pharmaceutical Sciences. Dr. Uludağ is directing interdisciplinary research programs on experimental therapeutics, focusing on functional biomaterials to realize the potential of therapeutic agents. His research activity has been conducted in the context of bone inducing devices, targeting of therapeutic agents to bone and lately in novel anti-cancer therapies. Dr. Uludağ is actively involved in various biomaterials societies around the World and is an elected Fellow of the International Union of Society of Biomaterials Science and Engineering (IUS-BSE). Besides acting as the lead editor for Frontiers in Biomaterials, he is serving on the editorial board of 7 international journals. Dr. Uludağ published >240 peer-reviewed journal articles. Dr. Uludağ obtained dual B.Sc. degrees in Biomedical Engineering and Biology from Brown University (Providence, RI) in 1989, specializing in biomedical engineering with a strong emphasis in biological sciences. He then completed his Ph.D. degree in 1993 at the Department of Chemical Engineering & Applied Chemistry at the University of Toronto, where he developed a strong expertise in polymeric biomaterials. He spent four years in an industrial setting (Genetics Institute Inc.; Boston, MA), where he contributed to development of a tissue-engineered bone device for clinical use. He initiated 2 spin-off companies from the U. of Alberta based on the technologies emanating from his labs.

Interview with Dr. Hasan Uludağ

Over your remarkable career, what has been the most significant change you've witnessed in the field of biomaterials? How did you adapt and contribute to this evolution?

I would point out to the transformation of biomaterials from a 'passive enabler' to an 'active participant' as the most significant change. Instead of acting as conduits, biomaterials became enablers in intended applications. My contribution has been introduction (synthesis, characterization, and reporting) of biomaterials that enabled therapy in select diseases, most recently in cancer.

Looking back on your achievements, is there a specific project or contribution that holds a special place in your heart, and why?

Special project that I hold dearly, not necessarily the one I pursued for a long time or reached success in academic or commercial sense, is the work I did to undertake protein delivery to bone tissue. The dream was to deliver macromolecules (proteins, nucleic acids etc.) specifically to bones after systemic administration. It was a technologically challenging project that yielded no results for a long time and really required advanced chemistry to undertake it successfully. It was a joy to advance and show the feasibility of the idea and see others continue from where we left off.

What advice would you give to the next generation entering your field? What skills or qualities do you believe are essential for success?

My advice is simple: seek knowledge wherever you can find it (without considering boundaries) and think on your own how to utilize it for your end(s).

Beyond your specific area of expertise, what broader societal impact are you most proud of in your work?

I considered myself fortunate to work with a large number of gifted people, from high school students to advanced researchers. I hope they came to appreciate the dedication needed to undertake fruitful endeavors.

As you reflect on all your achievements, what does this Lifetime Achievement Award mean to you?

I am delighted to be recognized by the community that I cared for such a long time. I arrived in Canada in Sept/1989 and found myself as part of this community since the May/1990 CBS meeting. I really enjoyed being part of this community and happy that the community has embraced me with this recognition. I recognize so many other colleagues who are equally deserving of this recognition and I am grateful to be in their circle.

CBS Early Career Researcher Award

Dr. Emilio Alarcón, PhD

Associate Professor, Department of Biochemistry, Microbiology, and Immunology, Faculty of Medicine, University of Ottawa

Scientist, Division of Cardiac Surgery Research, University of Ottawa Heart Institute

Dr. Alarcón's (https://www.beatsresearch.com) innovative research pushes the boundaries of tissue engineering and regenerative medicine, bringing together multiple disciplines to understand how we can use nanoscale interactions to create biomaterials with augmented biological properties for repair of damaged tissue. His +100 peer-reviewed papers, primarily in high quality journals with broad audiences (*ACS Nano, Advanced Functional Materials, Nature Communications*, *Science*), have been cited >4,800 times and published two books on biomedical devices and nanomaterials. He has also supervised +100 students at different levels of career and disciplines spanning from engineering to medical doctors. Dr. Alarcón is also the Director of INTBIOTECH-CREATE (http://www.intbiotech.ca/), a first-class training program that aims to increase diversity in the biotech industry, putting a sharp focus on equity,

diversity, and inclusion (EDI) principles for team composition, student recruitment and the training program itself. The scientific community has recognized Dr. Alarcón's accomplishments through multiple awards including the Nano-Ontario Outstanding Early Career Researcher; three career awards from University of Ottawa Heart Institute, the highly competitive Ontario Early Researcher Award, uOttawa Researcher of the Year, and more recently Canadian Biomaterials Society Early Career Investigator.

Interview with Dr. Emilio Alarcón

What project or achievement are you most proud of that led you to win the CBS Early Career Investigator award?

I was once told that the most significant discovery any scientist can make is to find another scientist. This is why I hold my current and former trainees and mentees in the highest regard. Their growth and achievements are a testament to the power of mentorship in our field.

Looking back at the beginning of your career, what advice would you give to your younger self about navigating the field of biomaterials?

Find something you like doing. I was trained in physical organic chemistry, far from biomaterials. I had a thing for chemical kinetics, where I discovered my love for science. The principles I learned from chemical kinetics, and thermodynamics have been instrumental in my journey into the Biomaterials world!

What are you currently most excited about in your field, and how do you see your work contributing to the bigger picture?

Peptide-based materials for tissue repair. I find there is so much room to develop instructive materials, meaning biomaterials we can precisely use chemistry to customize to elicit a desired biological response. My work is currently pursuing the development of large peptide libraries to identify structure-function peptides that can be used for assembling 3D materials for tissue and organ repair.

Many early career researchers face challenges like balancing workload and finding mentorship. How have you approached these challenges, and what tips do you have for others?

When I embarked on my career as a postdoctoral fellow in Canada, I was fortunate to be mentored by Dr. May Griffith in the Biomaterials field. As an independent researcher, I had the privilege of Dr. Duncan Stewart's mentorship, which not only helped me understand the academic system in Canada but also opened many doors for me. The early stages of an Early Career Researcher (ECR) can be challenging, but having a strong support system is crucial. I was lucky to have the support of Drs. Erik Suuronen, Marc Ruel, Thierry Mesana, Peter Liu, and Katey Rayner, who were always there to help in any way they could. They are my people. If I were to offer any advice, it would be to find your people, create a network of individuals you enjoy working with, and from whom you can always learn something new.

Winning CBS Early Career Investigator award is a significant achievement. What does it mean to you, and how will it influence your future career goals?

I was not born academically in the Biomaterials field. I am an oddity. Life brought me to the Biomaterials field and, more recently, to CBS, which fosters a community where we help each other in any way we can. This award means a lot to me and my team.

CBS Service Award

Dr. Todd Hoare, PhD
Professor, Department of Chemical Engineering,
Faculty of Engineering, McMaster University

Dr. Todd Hoare is the Canada Research Chair in Engineered Smart Materials, a Professor in the Department of Chemical Engineering at McMaster University, and the Director of the NSERC CREATE Training Program for Controlled Release Leaders (ContRoL). Dr. Hoare's work on "smart" environmentally-responsive hydrogels, in situ-gelling/printable hydrogel materials, and nanoscale drug delivery vehicles has been profiled by Popular Science, Maclean's, and BBC for its potential in solving clinical challenges through innovative materials design. He is a Fellow of the International Union of Societies in Biomaterials Science and Engineering (IUS-BSE), was awarded an NSERC E.W.R. Steacie Memorial Fellowship (2018), has been cited as part of the 2018 Class of Influential Researchers by Industrial Engineering & Chemistry Research, and has received the 2016 Early Career Investigator Award from the Canadian Biomaterials Society and the 2009 John Charles Polanyi Prize in Chemistry in recognition of his research. He is also the co-recipient of the 2023 NSERC Brockhouse Prize for Interdisciplinary Research, Canada's highest honor for collaborative research in the natural sciences and engineering, for his development of innovative drug delivery vehicles in collaboration with clinicians. Dr. Hoare has served as President of the Canadian Biomaterials Society (2016-2017) and the Canadian Chapter of the Controlled Release Society (2013-2015) and is currently the Chair of the Macromolecular Science and Engineering Division of the Chemical Institute of Canada. He also serves an Executive Editor of Chemical Engineering Journal (where he leads the biomaterials section) and is a member of the Editorial Advisory Board of Biomacromolecules.

Interview with Dr. Todd Hoare

What initially motivated you to get involved in CBS?

My graduate research was not in the area of biomaterials, so the first CBS meeting I ever attended was in 2009 as a new assistant professor who had just finished my first year in the job. I attended the meeting intending to just learn more about what was happening in the Canadian biomaterials community and hang out in the background; however, when I arrived, I found a very friendly and welcoming community. At the time, positions on the CBS Board were, let's say, not nearly as competitive as they are now, and I believe it was some combination of Paul Santerre and Brian Amsden who ended up nominating me for a Board position at my very first AGM (and for some reason, everybody agreed!) I've been involved ever since that opportunity in some capacity and would consider CBS my home academic society.

Can you describe a specific instance where your service made a real difference? What was the impact on the individuals or CBS as a community?

I think this is probably something the CBS community would have a better answer for, but one of my first jobs on the CBS Board was to work to convert what at the time was a website that had no functionality at all and looked like it was from the 1990's into a more modern and functional website. I guess one could debate how successful that has been, but I do believe that the many evolutions of the website over the years have made a difference in improving communications within CBS, making it easier to manage memberships, and highlighting biomaterials research in Canada. I was also the Chair of the 2015 CBS

Annual Meeting in Toronto, which at the time was the largest CBS meeting (since surpassed a couple times I think, which is a great indicator of the growth of the society over the years!)

Over the course of your service, what have you found to be the most rewarding aspect of this role?

Definitely the most rewarding aspect of service in CBS has been working with the rest of the Board toward creating opportunities for students, whether that be highlighting their recent work, providing awards to enable travel/recognition, or even just giving students a chance to present their work at a conference. It has been particularly fun to connect with past students who were previously involved in CBS after they have moved into industry or another post-graduate position – so many of them end up reflecting on how being involved in CBS made a positive impact on their graduate training and ultimately careers, and it is rewarding to feel that I have at least played a small role in facilitating that.

What advice would you give to someone who is interested in getting involved in service work but feels unsure where to start?

I think the most important thing to do is just show up and say yes when an opportunity arises. I had no intention of running for a CBS Board position in 2009 when I walked into the AGM but saying yes when asked ended up making a huge difference in my career. I would note that I don't think this is a CBS-specific phenomenon - I have similarly wondered into division meetings in other societies and left having an opportunity to chair/organize a conference session or help with the organization in some way. It can be a bit intimidating (and I am not naturally an extrovert!), but the "intimidating" people running the meeting are almost inevitably very happy to have new people step up to help. Just getting over that fear or even imposter syndrome to realize that your help is valued (and valuable) is the first step.

Winning this Service Award must be a great honor. How does this recognition motivate you to continue your service efforts?

I am extremely grateful to CBS for both the award and all the opportunities it has given me – I think I have certainly gotten a lot more out of my service than I put in! Serving in societies is one of my favourite parts of being a professor since it is a great way to learn a lot and meet a lot of people who are similarly passionate about creating opportunities and building community in science. This award is a great encouragement that those efforts are appreciated, and there are many other people with whom I've worked within CBS that also deserve this recognition. I look forward to continuing to serve CBS as the IUS-BSE representative for the next four years (and of course helping to fix the website when it breaks!)

Student Chapter Updates

Canadian Biomaterials Society – Quebec City Student Chapter (CBS-QCSC)

The Quebec City Student Chapter of the Canadian Biomaterials Society (CBS-QCSC) organized a distinguished event with the cooperation of Laboratoire de biomatériaux et de bioingénierie (LBB). This event was entitled "The International Day of Women and Girls in Science: Inspiring Change and Advancing Knowledge" that was held in Centre Hospitalier de l'Université Laval - CHUL, Québec City on Feb 29, 2024. After the event, all the CBS members and attendees extended their heartfelt gratitude to the invited speakers including Dr. Karen Lozano

Patrizia Villotti and Dr. Michèle Desjardins for their invaluable contribution. On International Women's Day, we, women active in science, were well reminded that the path to equality in STEM is not just paved by the milestones we celebrate, but by the daily persistence, courage, and collaboration of every woman who dares to dream, innovate, and lead. Shortly, the CBS-QCSC will host other seminars to highlight local biomaterials research and foster collaborative research initiatives.

Canadian Biomaterials Society – Southwestern Ontario Student Chapter (CBS-SWOSC)

Southwestern Ontario Student Chapter wrapped up a line of four, very successful, Biomaterials-themed Trivia Nights in collaboration with external companies, to bridge the gap between academia and industry as well as to show all possible applications of biomaterials and the skills desired by employers. The Chapter is preparing for the summer event of a three minute talk, with dedicated sessions for undergrads and grads, to discuss biomaterials.

With the month of April, the mandate of the previous president Alessandra Merlo comes to an end and the torch passes on to Aidee Verónica Arizpe Tafoya, who will lead the Chapter for more events and keep sharing the love and passion for Biomaterials.

Canadian Biomaterials Society – Kingston Student Chapter (CBS-KSC)

CBS Kingston student chapter was very proud to kick start the reboot of the chapter with an amazing biomaterial career focussed talk given by Dr. Scott Fitzpatrick (Global Medical Director, Lead Scientific Communications, Ophthalmology at Bayer) who showcased his journey from graduate school to industry! We were pleased to not only see familiar faces but also some new ones as well at this event. This was a great opportunity to reach out to the community at Queen's as we are actively recruiting for vacant positions on our executive committee. We are continuing to hold talks to foster interest in CBS at Queen's and hope to fill in the vacant positions soon. We would also like to congratulate our vice president Yuan Pang for his successful MASc defence! Well done, Yuan!

Career Talk. Isaac Thevathasan (CBS-KSC President, left) and Dr. Scott Fitzpatrick (right) presenting his talk entitled: "My journey: The transition from grad school to industry."

Canadian Biomaterials Society – Ottawa Student Chapter (CBS-OSC)

It has been an exciting year for CBS-OSC. We are pleased to announce that we organized the third mentorship program thanks to the contributions of our mentors, mentees, and organizers. In the one-to-one mentorship program, undergraduate students were assigned to Master/Ph.D. students who shared their experience on applications to graduate school, how to find supervisors and funding. In addition, we have launched the CBS-OSC's lab tours during which undergraduate and graduate students had the opportunity to attend a one-day tour of a lab that is performing research in the field of Biomaterials at uOttawa. The program aims to encourage students to meet with principal investigators in-person and discuss potential projects and available positions. It also intends to give them a better idea about the types of research in the field and the equipment available in different labs. So far, we have organized tours of three labs and plan to continue them at both uOttawa and Carlton university until August 2024. Furthermore, we organized a trivia night that undergraduate and graduate students participated in a competition to win an award by answering questions in the field of biomaterials. Finally, we intend to invite the CBS-OSC's current and former executive members for an Alumni get-together where former members would share their experiences from previous years with current ones and help us improve the chapter's activities with their insights.

Canadian Biomaterials Society – Alberta Student Chapter (CBS-ASC)

CBS-ASC Winter 2024 Recap: A Flourish of Interdisciplinary Engagement

The **winter of 2024** saw **the Canadian Biomaterials Society – Alberta Student Chapter (CBS-ASC)** in full swing, hosting a myriad of activities that encapsulated the essence of interdisciplinary collaboration. From academic seminars to illuminating ceremony for our image competition, the chapter was vibrant with energy and innovation, offering invaluable opportunities for both students and academic mentors alike.

The highlight of our winter events was the dynamic lecture series, featuring speakers from diverse fields within biomaterials. **Dr. Nihal Engin Vrana,** CEO and co-founder of Spartha Medical in Europe, took center stage to explain the intersection of machine learning methodologies and biomaterial development, offering insights into cutting-edge approaches to toxicology assessment.

Not to be outdone, **Dr. Peter Zandstra**, a recipient of the Premiers Research Excellence Award (2002) and the Order of Canada (2021), captivated a crowd of over 70 attendees with his expertise on the formation of functional tissue from stem cells. His discussion delved into the potential applications of this knowledge in the design of novel therapeutic technologies grounded in living cells.

Lecture series: Poster for Dr. Nihal Engin Vrana's talk (Feb. 8, 2024, Left Panel) and in-session view of the participants at Dr. Peter Zandstra's talk (Apr.5, 2024; Right Panel)

In addition to our speaker series, **CBS-ASC** proudly hosted an image competition award ceremony, recognizing excellence in visual representation within the field of biomaterials. This celebration of creativity and innovation underscored the chapter's commitment to fostering talent and recognizing achievement.

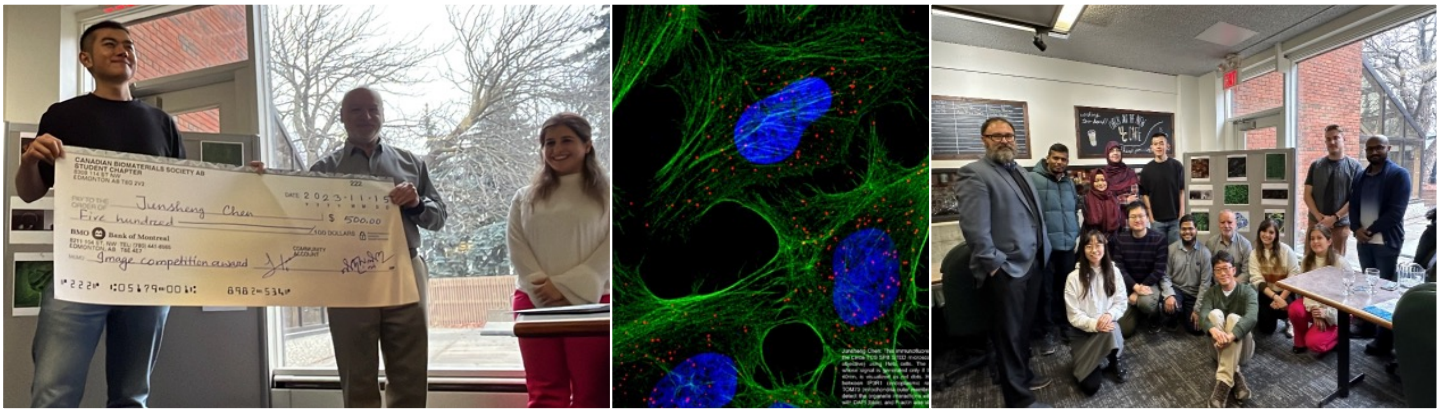
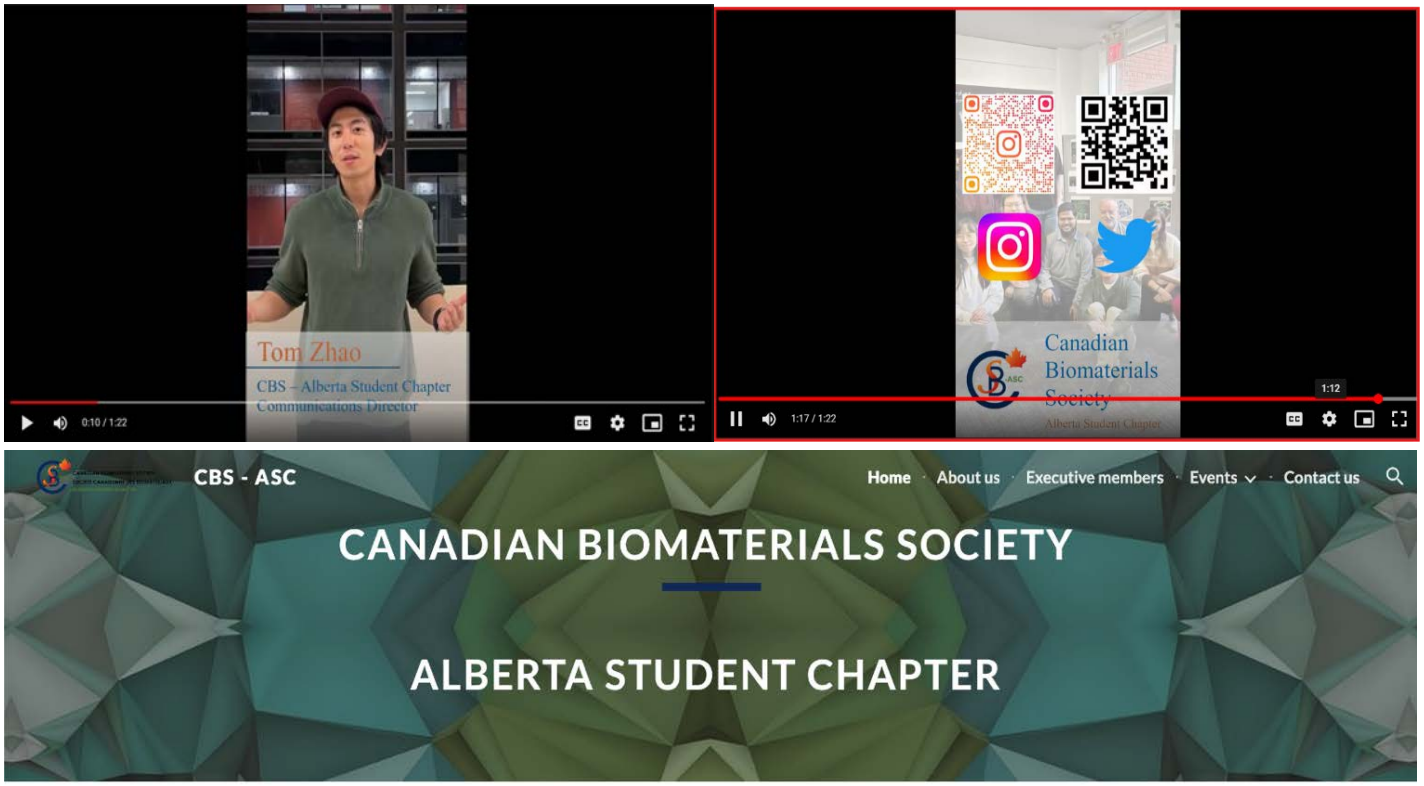


Image Competition Awarding Ceremony (November 22, 2023 at UofA Faculty Club). **Left:** All-smiles for the ceremony: Junsheng Chen (winner), Dr. Hasan Uludag (CBS-ASC advisor) and Ms. Saba Abassi (2024 CBS-ASC President) (left-to right). **Middle:** Captured Cell Image by Junsheng with caption. **Right:** CBS-ASC faculty advisors, members and invited image competition participants.

We're also excited to announce the upcoming **re-launch of our CBS-ASC website**, to provide our members and supporters with an enhanced online platform for collaboration, resources, and engagement. But that's not all – we recently shared our **first-ever CBS elevator pitch**, offering a brief and compelling overview of our mission and vision. These initiatives highlight our commitment to advancing the **Canadian Biomaterials Society's** mission and making impactful contributions to the field of biomaterials.



Promotional contents of CBS-ASC. Top: Screenshots of the first-ever CBS-ASC elevator pitch video showcasing our commitment to driving meaningful contributions to the field of biomaterials and beyond**. Bottom:** Re-launching of CBS-ASC website.

Thanks for Reading!

On Behalf of the Canadian Biomaterials Society

Communications Committee, Administration and Board of Directors

https://biomaterials.ca

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If you wish to contribute to our next newsletter, please contact:

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