

Newsletter # 2 - October 2023

http://www.iadr.org/DMG/



Vinicius Rosa President

"The journey ahead: to modernize and elevate excellence"

More on page 2.

From the BOARD:

- Vinicius Rosa assumes as President (2023-2024)
- Josette Camilleri assumes as President-Elect (2023-2024)
- James Kit Hon Tsoi elected Vice-President (2023 – 2024)
- Alvaro Della Bona assumes as Secretary/Treasurer (2022 – 2025)

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Message from the President, Vinicius Rosa

Dear members of the IADR Dental Materials Group,

I hope this message finds you in good health and high spirits. It is my pleasure to provide you with an update on our recent activities and the exciting plans we have for the future.

I am delighted to share that IADR has made a triumphant return after the challenges posed by the pandemic. Our recent meeting in Bogotá was a resounding success, and it filled us with joy to see so many familiar faces once again. It was a momentous occasion that we had all been eagerly awaiting.

Highlights of the Bogotá meeting included an exceptional lineup of speakers in symposiums, focused learning sessions, and engaging oral sessions. These sessions were not only informative but also fostered a sense of unity and shared knowledge among our diverse international audience.

One of the most special moments was the evening reception. It provided a valuable opportunity for us to reconnect, meet new friends, and strengthen our relationships and camaraderie. It was heart-warming to see students, researchers, and industry partners enjoying each other's company once again.

Looking ahead, IADR DMG is setting its sights on the future. We have begun initial discussions on themes for future sessions and awards. This review process is a complex one, and over the next few months, we will work diligently to modernize our subgroups. Our goal is to uphold the rich traditions of IADR DMG while positioning ourselves at the forefront of scientific developments in dentistry and beyond. We value your input and will be reaching out to our dedicated membership for their ideas and insights.

Finally, I am thrilled to announce that IADR will be returning to New Orleans after 17 years for our next meeting. It promises to be a beautiful and memorable event, and we encourage all our members to consider submitting their work for presentation. Additionally, let us inspire and support our students to share their research contributions as well.



Message from the President, Vinicius Rosa

In conclusion, the recent success in Bogotá has reignited our passion and enthusiasm for advancing dental materials science. With your active involvement and valuable input, we are confident that the future holds great promise for IADR DMG. I look forward to seeing you all in New Orleans as we come together to celebrate our shared commitment to dental materials research.

Warm regards,

Vini Rosa

DMG Scientific Program - 2023 IADR/LAR



Organized by GPC Vinicius Rosa

TOTAL DMG ABSTRACTS: 154

Interactive Talk Sessions: 30

Number of abstracts per sub-group:

- ✓ DM1 Ceramic-based Materials (19)
- √ DM2 Polymer-based Materials (41)
- ✓ DM3 Metal-based Materials and Other Materials (6)
- ✓ DM4 Adhesion-Bonding and Sealing (22)
- ✓ DM5 Biocompatibility, Bioengineering and Biologic Effects of Materials (36)
- ✓ DM6 Instruments and Equipment (6)
- ✓ DM7 Color and Appearance (19)
- ✓ DM8 Clinical Trials (5)

Thanks to GPCs and Reviewers!!

- ✓ **DM1** Ulrich Lohbauer
- ✓ DM2 Carmem Pfeifer
- √ DM3 Jason Griggs
- ✓ DM4 Annalisa Mazzoni
- ✓ DM5 Marco Bottino
- ✓ DM6 William Palin
- ✓ DM7 Rade D. Paravina
- ✓ DM8 Niek Opdam

DMG Scientific Program - 2023 IADR/LAR Bogotá, Colombia / June 21 - 25

Keynote Speakers sponsored by the DMG:

- Novel Machining and sintering technologies for state-of-the-art digital dentistry (Zhang Yu, University of Pennsylvania, United States)
- Fatigue behavior of bulk fill restoratives (Borba Marcia, The University of Passo Fundo, Brazil)
- Chamaleon effect of resin composites: optical illusion of physical reality? (Paravina Rade, University of Texas at Houston, United States)
- Small but mighty: microfluidics for unraveling host-microbiome and host-material interactions (Sriram Gopu, National University of Singapore, Singapore)
- Unveiling the potential of melt electrowriting in regenerative dental medicine (Dubey Nileshkumar, National University of Singapore, Singapore)

Focused Learning Session sponsored by the DMG:

➤ Publishing as a young researcher: essential, challenges and opportunities (Rosa Vinicius, National University of Singapore, Singapore)

Symposia sponsored by the DMG:

- The suitability of testing of bioactive materials: in vitro, ex vivo, in vivo (Organizer: Josette Camilleri, University of Birmingham)
- ➤ Do we have suitable materials to restore carious teeth prepared by MID? (Organizers: Josette Camilleri, University of Birmingham; May Mei, University of Otago)
- Femerging technologies and strategies for periodontal and pulp regeneration (Organizers: Marco Bottino, University of Michigan; Vinicius Rosa, National University of Singapore)

2023 DMG Science Awards



Peyton-Skinner Award for Innovation in Dental Materials



Awardee: Yu Zhang
Professor and Director for Restorative Research
University of Pennsylvania, PA, USA



Ryge-Maller Award for Clinical Research in Dental Materials



Professor, Restorative Dental Sciences
The Prince Philip Dental Hospital, Hong Kong, China





Awardee: Ana Karina Bedran-Russo
Professor and Head of the Department of Oral Biology
University of Illinois, IL, USA

2023 IADR / Kulzer Travel Awards

Awardee Africa / Middle East (AMER):

Alaa Al Atta

Institution: University of Sharjah, United Arab Emirates

Non-Protein Thiols: Reversal Agents for Hydrogen Peroxide-Oxidized Dentin

Awardee Asia / Pacific (APR):

Apurva Mishra

Institution: National University of Singapore

Fibrinogen-incorporated GelMA Dual-cure Hybrid Hydrogels for Tissue

Engineering Applications

Awardee Latin America (LAR):

Clarice Sabino

Institution: São Paulo State University, Brazil

Boron-containing Coating Yields Enhanced Mechanical and Antimicrobial

Properties to Ultra-translucent Zirconia

Awardee Pan European (PER):

Po-Chun Tseng

Institution: Ludwig Maximilian University of Munich, Germany High-fidelity Composite Restorations Printed With Direct Ink Writing Technology

Awardee Pan European (PER):

Merve Uctasli

Institution: University of Turku, Finland

Bonding to Silver Diamine Fluoride Treated Dentin

This award, supported by Kulzer, encourages young investigators to undertake research in new and innovative testing methods of dental materials, and new ideas and approaches to improve and develop dental materials. Recipients receive an award of \$2,500 and a commemorative plaque. https://www.iadr.org/awards

2023 RECIPIENT OF THE WILMER SOUDER AWARD

The International Association for Dental Research (IADR) announced that **Jason Griggs** is this year's recipient of the IADR Distinguished Scientist Wilmer Souder Award. Griggs, from the University of Mississippi, Jackson, USA, was recognized during the Opening Ceremonies of the 101st General Session of the IADR, which was held in conjunction with the 9th Meeting of the Latin American Region and the 12th World Congress on Preventive Dentistry, that took place on June 21, 2023, in Bogotá, Colombia.



Griggs is currently the Vice-Chair, Division of Physics & Engineering, Mississippi Academy of Sciences, USA. Since 2008, he has served as Adjunct Professor at the Department of Civil Engineering, University of Mississippi, Oxford, USA, and as Associate Dean for Research, School of Dentistry, University of Mississippi Medical Center, Jackson, USA.

He completed his undergraduate and postgraduate studies at the University of Florida, Gainesville, USA in the field of materials science. He then moved to Baylor College of Dentistry in Dallas, Texas, USA as an Assistant Professor. In 2007, he was promoted to full Professor and became Chairman at the Department of Biomedical Materials Science at the University of Mississippi Medical Center. He has supervised many MS and PhD students and written numerous book chapters.

Through his NIH-funded R01 grants, Griggs's scientific work contributed to improving the strength of dental porcelain, developing test methods for ceramic fracture toughness measurements, and rapid testing methods for dental implants. He has presented several papers at the IADR and other scientific meetings and has published more than 90 peer-reviewed publications on this topic. He served as Vice-President and President for the IADR Dallas Section and chaired the AADOCR Science Information Committee. He has also served on the editorial boards for the Journal of Dental Research and Dental Materials.

The IADR Wilmer Souder Award recognizes excellence in the field of dental materials research among those scientists who, through research in this field, bring about outstanding advances in dental health.

IADR COUNCILOR'S REPORT

Dear DMG member.

Please, find below a summary of the IADR Council meeting held on June 20th, 2023.

Election results

Council approved the following slate of nominees to stand for the IADR Vice-president 2024-2025 election: *Jennifer Gallagher* (PER), British Division, Global Oral Health Inequalities Research Network, *Mark Herzberg* (NAR), AADOCR, Microbiology/Immunology Group, and *Marco Peres* (APR), Southeast Asian Division, Behavioral Epidemiologic and Health Services Research Group.

Regional Divisions

The report from *IADR Regional Board Members* informed the council that most of the regions have been able to maintain their activities regarding member's engagement in research, promotion of membership among health researchers, undergraduates, and postgraduate students, establishing partnership with industry and government agencies, regular meetings, and collaborative national and international networking.

President and CEO Reports

<u>Annual meeting, Exhibition, Partnership</u>: To ensure the health and safety of everyone participating, the 2022 IADR meeting, held in conjunction with the 5th Meeting of the Asia/Pacific Region (APR), was once again carried out in a virtual format. Over 2,132 individuals from 80 countries attended the event, and a record-breaking participation by our colleagues in the APR.

The 2023 IADR/LAR meeting was 100% live and in-person format and was joined by the 12th World Congress on Preventive Dentistry (WCPD). The WCPD aims to raise global awareness of oral diseases and encourage policy makers to incorporate oral health into public health intervention programs and universal health coverage, focusing particularly on oral cancer prevention, dental caries, and periodontal disease.

The IADR and FDI World Dental Federation are partners in the project titled, "Accelerate implementation of dental amalgam provisions and strengthen country capacities in the environmental sound management of associated wastes under the Minamata Convention. The project aims to phase down the use of dental amalgam in three countries; Senegal, Thailand, and Uruguay, and improve the management of mercury-containing waste.

<u>Publications</u>: The <u>Journal of Dental Research</u> reached its highest ever Impact Factor[™] in 2022 (8.924) and ranked #3 of 92 journals in the "Dentistry, Oral Surgery, and Medicine" category. Other achievements were the publication of the supplement "The Changing Face of Dentistry" in September of 2022 and the Special Issue entitled "Aging and Oral Health" in July of 2023.

Last November, the IADR president represented our entity during of the Global Oral Health Status Report launched by the World Health Organization, which reviewed the most recent data on major oral diseases, risk factors, health system challenges, and opportunities for reform.

<u>Membership</u>: As of December 31, 2022, IADR membership stood at 9,191 members, an 8.1% increase from the previous year's total of 8,505. The increase in 2022 membership was driven by extremely strong growth in the APR (+60.6%) Region. Divisions with the strongest 2022 growth were the Tunisian (+309%), Chinese (+223%), Egyptian (+78.6%), and Kuwaiti (+55.4%) Divisions.

Congratulations to LAR/Costa Rican Section (200% increased membership, 12 in 2022 to 36 in 2023) and LAR/Colombian Division (73% increased membership, 93 in 2022 to 162 in 2023) for demonstrating such remarkable membership growth.

Finances: The IADR investment portfolio as of December 21, 2021, was just under \$17.6 million, a net increase of 12.5% from 2020. This increase was the net of strong investment returns partially offset by amounts sold to fund operations. Although unaudited, the IADR portfolio balance as of Q1 2023 was \$14.9 million, the decrease is primarily due to significant market losses in 2022, partially offset by positive returns of 5.6% in the first quarter of 2023. Preliminary year-end estimates for 2022 project IADR ending the year with a \$734,000 deficit versus a budgeted deficit of \$707,000, or \$27,000 unfavorable to budget. The higher-than-expected deficit is due to an expected meeting deficit from the June 2022 virtual General Session as compared to a modest budgeted surplus and a slightly higher-than-expected general operations deficit primarily due to lower than expected membership revenues, partially offset by lower Board costs.

Other Highlights:

Council approved **2023-2024 IADR Committee Appointments** as presented by the IADR Board Operations Committee.

Council approved the IADR Scientific Group/Network Governance Handbook.

Council approved the revised IADR PER Bylaws.

Council approved the revised IADR NAR Bylaws.

Council approved the IADR Palestinian Section Application.

Council approved the IADR Bylaws Update- Membership Grace Period.

Council approved the IADR 2021 Independent Auditors' Report.

Council approved the IADR Budget for 2023.

Council approved the 2027 IADR General Session Site Selection of Melbourne, Australia.

Council approved the IADR Oral Diseases as Noncommunicable Diseases (NCDs) and within the Global NCDs Agenda White Paper.

The interactive session sought feedback from the Council on the format of the IADR General Session and mechanisms to improve the quality of the science at IADR meetings.

Future meetings:

The 2024 IADR/AADOCR/CADR General Session & Exhibition, March 13-16, 2024, in New Orleans, LA, USA.

The 103rd General Session & Exhibition of the IADR, **June 25-28, 2025, in Barcelona, Spain**. The 2026 IADR/AADOCR/CADR General Session & Exhibition, **March 25-28, 2026, in San Diego, CA, USA.**

<u>IN MEMORIAM</u>

Sadly, the IADR lost the following past IADR officers since last the last IADR Council:

E. Dianne Rekow, 88th President of IADR (2011-12) and 35th President of the AADOCR (2006-07).

Paul Robertson, 81st President of IADR (2004-05) and 27th President of the AADOCR (1998-99). John Greenspan, 73rd President of IADR (1996-97) and 17th President of the AADOCR (1988-89).

William Dennis McHugh, 65th IADR President (1988-89) and 12th AADOCR President (1983-94). View his tribute in Global Research Update.

Saulo Geraldeli DMG Councilor

TREASURER'S REPORT

The DMG finances are in good standing, and the account shows a balance of \$112,689.00 (as of 06/30/23), as shown in detail in the table below.

<u> </u>	2 nd Quarter	YTD
Beginning Balance	\$134,598.60	
Revenue		
Dues	1,419.00	6,507.00
Comp Dues	0.00	80.00
Contributions	4,270.00	20,815.00
Total Revenue	\$5,689.00	\$27,402.00
Expenses		
Awards, Fellowships, & Grants	27,598.60	31,743.60
Contribution Expense	0.00	0.00
Total Expenses	\$27,598.60	\$31,743.60
Net Income/Loss	(\$21,909.60)	(\$4,341.60)
Available Cash Balance	\$112,689,00	

DENTAL MATERIALS GROUP

→ Current Board Members ←



Vinicius Rosa
National University of Singapore
Singapore
PRESIDENT



Josette Camilleri
University of Birmingham
United Kingdom
PRESIDENT - ELECT



James Kit Hon Tsoi
University of Hong Kong
Hong Kong SAR. PR China
VICE - PRESIDENT



Alvaro Della Bona
University of Passo Fundo
Brazil
SECRETARY / TREASURER



Saulo Geraldeli
East Carolina University
USA
COUNCILOR



Rade Paravina
University of Texas
USA
CORPORATE LIAISON



Salvatore Sauro
Universidad CEU-Cardenal Herrera
Spain
PAST - PRESIDENT



Marco Ferrari
University of Siena
Italy
SR. PAST - PRESIDENT

DENTAL MATERIALS GROUP → Current Members-at-Large ←

Objective: Broaden the representation of board members and develop a base for future officer elections (Secretary/Treasurer, Vice-President and Councilor).

Three Members-at-Large are appointed for each of the IADR regions:

Africa / Middle East (AMER):

- Abdul Khan- Imam Abdulrahman bin Faisal University, Saudi Arabia (2023-2025)
- Arwa Daghreri Jazan University, Saudi Arabia (2023-2025)
- Kamal Ebeid Ain Shams University, Egypt (2021-2023)

> Asia / Pacific (APR):

- Monica Yamauti- Hokkaido University, Japan (2023-2025)
- Karan Gulatti University of Queensland, Australia (2023-2025)
- Nileshkumar Dubey National University of Singapore (2021-2023)

Latin America (LAR):

- Regina M Puppin Rontani University of Campinas, Brazil (2023-2025)
- Adriano F. de Lima Paulista University UNIP, Brazil (2021-2023)
- Fabricio M. Collares Federal University Rio G Sul, Brazil (2021-2023)

➤ North America (NAR):

- John Mitchell Midwestern University Clinics, USA (2023-2025)
- Thiago Porto Ohio State University, USA (2023-2025)
- Adriana P. Manso University of British Columbia, Canada (2021-2023)

Pan European (PER):

- Jukka Mantillina University of Manchester, UK (2023-2025)
- Gianrico Spagnuolo University of Naples Federico II, Italy (2021-2023)
- Andrei C. Ionescu State University of Milan, Italy (2021-2023)

CALL FOR NOMINATIONS - DMG → Member-at-Large ←

Vacant positions for the regions (to assume in January 2024):

- Latin America
- Africa / Middle East

Eligibility:

- 1. Must be a current regular IADR and DMG member. Student members can be considered at the Board's discretion.
- 2. Must be currently active in research.

Deadline for nominations: November 30, 2023.

Please send nominations electronically to Dr. Alvaro Della Bona (dbona@upf.br).

→ Vice - President ←

- The nomination for the Vice-President of the Dental Materials Group (DMG) will open in the first half of 2024.
- ➤ As a IADR DMG member, you will be entitled to vote annually for the candidates of your choice for DMG Vice-President.
- There will be no election for the position of Secretary/Treasurer of the DMG next year.

AWARDS AND NOMINATIONS FOR 2023



Peyton-Skinner Award for Innovation





Ryge-Mahler Award for Clinical Research

The Dental Materials Group (DMG) of the IADR makes two annual awards in recognition of the past contributions to Dental Materials science and research by four outstanding DMG scientists: Dr. Floyd Peyton, Dr. Eugene Skinner, Dr. Gunnar Ryge and Dr. David Mahler. The awards are made to recognize scientists who, throughout their careers, had made outstanding contributions to (1) innovation in dental materials (**Peyton-Skinner award**) and, (2) clinical research in dental materials (**Ryge-Mahler award**). Previous award winners are listed on the DMG home page (http://www.iadr.org/DMG/).

Eligibility:

Nominations for the Peyton-Skinner award for innovation and Ryge-Mahler award for clinical research can be made by any candidate who meets the following criteria:

- 1. Nominee must be a current or past member of the IADR Dental Materials Group.
- 2. Nominations must include a Curriculum Vitae that provides supporting evidence that the candidate nominee has significantly contributed to any innovation in the laboratory dental materials (Peyton-Skinner award) and/or clinical research in dental materials (Ryge-Mahler award).
- 3. A letter of nomination should highlight the major reasons and body of research/innovation for which the individual is being nominated. All work considered for such an award should have resulted in publications in scientific, peer-reviewed journals and/or patents.

More details: https://www.iadr.org/IADR/Awards/Scientific-Group-Awards/DM/Science

Awards:

A plaque of recognition and an economic reward of \$2,000 will be provided for each award. The cash award is intended to support travel and other related fees to attending the IADR annual meeting and receiving the award in person at the DMG business meeting or reception.

Selection:

DMG Award committee will review individuals newly nominated and those not selected during the last three successive selection periods. The award recipient will be formally announced during the business meeting of the Dental Materials Group at the IADR General Session & Exhibition and honored during the reception that follows. The committee may reserve the right to grant no award if there is no suitable candidate may take elect not to present an award if there is not an appropriate nominee.

Note: Past recipients of the IADR Wilmer Souder Award are not eligible, but acceptance of either of these two awards does not disqualify one for the Wilmer Souder Award.

AWARDS AND NOMINATIONS FOR 2023



Stephen Bayne Mid-Career Award

The objective of this new Mid-Career Award is to recognize IADR members who have demonstrated significant contribution to the science and application of dental materials research by their mid-career with the aim to help attract and retain younger investigators in this field of dental materials research. To remain a vital and relevant organization, it is imperative for the DMG to maintain and invigorate our pipeline of researchers engaged in all aspects of traditional dental materials as well as materials-centered studies applied to the oral/facial complex. To encourage diverse, high-quality research perspectives and initiatives, we want to be fully inclusive in this outreach to include individuals from any institution as well as from all regions of the IADR - North America, Latin America, Europe, Africa/Middle East, Asia/Pacific.

Requirements:

- 1. Nominee must be a current or past member of the IADR Dental Materials Group.
- 2. Nominee must have minimum of five years research experience beyond the granting of their PhD.
- 3. At least a three-year record of participation as lead author on abstracts presented at IADR or related DMG-sponsored programs.
- 4. Current CV along with two letters of support from established and productive DMG members as well as a brief narrative (one-page maximum) that highlights how the individual's prior research accomplishments are anticipated to transition in work going forward (specific details not necessary but a general idea of the intended research direction is requested).

More details: https://www.iadr.org/awards/stephen-bayne-mid-career-award

Award:

The award will consist of a plaque and the provision and an economic reward of \$5000, which will cover the travel fees to attend the IADR meeting within that same year to accept the award and a further undesignated gift with the aim to promote the progression of the research of the leader.

Sponsorship: The Awards are supported by the Dental Materials Group of the IADR.

Detailed information on the application process for all awards: https://www.iadr.org/awards

Deadline for nominations for the DMG-sponsored awards are as follows: January 31, 2024.

Please send nominations electronically to Dr. Salvatore Sauro (salvatore.sauro@uchceu.es) Chair of the Awards Committee of the DMG.

2024 IADR / AADOCR / CADR General Session & Exhibition



NEW ORLEANS, LA, USA · MARCH 13-16, 2024

102ND GENERAL SESSION & EXHIBITION OF THE IADR 53RD ANNUAL MEETING OF THE AADOCR 48TH ANNUAL MEETING OF THE CADR

Key Deadlines

Session Proposal Submissions: Closed

Abstract Submission Close: October 17, 2023

Presenter Pre-registration Deadline: January 11, 2024

Pre-registration Deadline: February 1, 2024



FUTURE MEETINGS

https://www.iadr.org/events/upcoming-events

102nd General Session & Exhibition of the IADR 53rd Annual Meeting of the AADOCR 48th Annual Meeting of the CADR

New Orleans, LA, USA March 13-16, 2024



54th Annual Meeting & Exhibition of the **AADOCR** 49th Annual Meeting of the **CADR**

New York, NY, USA March 12-15, 2025



103rd General Session & Exhibition of the IADR

Barcelona, Spain June 25-28, 2025



104th General Session & Exhibition of the **IADR** 55th Annual Meeting of the **AADOCR** 50th Annual Meeting of the **CADR**

San Diego, CA, USA March 25-28, 2026



2022 ADM MEETING



ACADEMY OF DENTAL MATERIALS

Exploring the Current and Future Trends in Dental Materials

Centro Congressi Lingotto Torino, Italy

OCTOBER 2-5, 2024—SAVE THE DATE

WWW.ADMCONFERENCE.COM



