



Newsletter # 1 – April, 2023

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



Salvatore Sauro
President

“DMG- let’s gather all together in fully in-person IADR meetings”

More on page 2.

From the BOARD:

Salvatore Sauro
President (2022-2023)

- Vinicius Rosa
President-Elect (2022-2023)

- Josette Camilleri
Vice-President (2022-2023)

- Alvaro Della Bona
Secretary/Treasurer (2022-2025)

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Message from the President, Salvatore Sauro

Dear friends and colleagues, members of the DMG,

We look forward to 2023 being a memorable year since we finally have our fully in-person IADR meetings in 2 years!!!

In the last two years, the COVID-19 pandemic has considerably affected dental education and training both at academic and research level. Moreover, the lack of face-to-face contact disrupted interactions with colleagues at supporting the mentoring and evolution of young scientists. I believe that here is no doubt that in-person scientific meetings remain the most effective tools available to researchers and clinicians in promoting healthy engagement, while also building a trustworthy work environment among members of different scientific groups.

In my previous message, my major hope for our future meetings occurring in 2023 was that we could return to a classic face-to-face format and that we could finally meet and learn from each other again. Indeed, DMG has meticulously prepared a scientific program that highlights the latest innovations in dental materials and regenerative dentistry. A myriad of symposia, keynote speakers and other events have been organised thanks to the remarkable support of our board members, the scientific committee of the IADR, and the leadership of numerous collaborating scientific groups. I am extremely happy and satisfied about the outstanding 2023 scientific programs for the DMG both at the AADOCR/CADR Annual Meeting & Exhibition in Portland (USA) and the IADR/LAR General Session & Exhibition with WCPD in Bogotá, Colombia.

Furthermore, we have organised DMG receptions at both events (AADOCR and IADR) so that all the members of the Dental Materials Group could spend some good time in a relaxed and festive atmosphere and stimulate and/or fortify research collaboration between different universities and laboratories all around the world. Indeed, it was great to see more than 150 DMG members at reception in Portland having fun all together again.



Message from the President, Salvatore Sauro

I would like to extend a friendly reminder to all our members to vote in the upcoming election. Please remember the call for volunteers to serve on IADR committees, as well as the nominations for the DMG awards - Stephen Bayne Mid-Career Award, Peyton-Skinner Award, and Ryge-Mahler Award. All information is on the website (<http://www.iadr.org/DMG/>). Moreover, please consider serving as a member-at-large of DMG as we are still looking for volunteers from all regions.

In conclusion, I would also like to thank Carmem Pfeifer for all the great job she has been performing during the last years, and to congratulate with our president elect Vinicius, who is going to become the next president of DMG in July, as well as our vice president Josette Camilleri, who will be our next president elect. Last but not least, I would really like to thank our secretary/treasurer Alvaro Della Bona for all his amazing help and collaboration with the DMG.

We would love hearing from you and learn how we can improve your experience with the DMG.

I wish you enjoy perusing the content of this newsletter. I look forward to seeing you in Bogotá, Colombia!

Best wishes

Tore

DMG Scientific Program at 2023 AADOCR/CADR

2023



AADOCR/CADR Annual Meeting & Exhibition

52ND ANNUAL MEETING & EXHIBITION OF THE AADOCR

47TH ANNUAL MEETING OF THE CADR

MARCH 15-18, 2023 • PORTLAND, OREGON



Organized by GPC Vinicius Rosa

TOTAL DMG ABSTRACTS: 285

InteractiveTalk Sessions: 33

Number of abstracts per sub-group:

- ✓ **DM1** – Ceramic-based Materials (26)
- ✓ **DM2** – Polymer-based Materials (92)
- ✓ **DM3** – Metal-based Materials and Other Materials (11)
- ✓ **DM4** – Adhesion-Bonding and Sealing (44)
- ✓ **DM5** – Biocompatibility, Bioengineering and Biologic Effects of Materials (58)
- ✓ **DM6** – Instruments and Equipment (10)
- ✓ **DM7** – Color and Appearance (35)
- ✓ **DM8** – Clinical Trials (9)

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 at 2023 AADODR/CADR

Symposia sponsored by the DMG:

- ***3D-Printing for Tissue Regeneration in Dentistry***
Organizer: Lobat Tayebi (Marquette University School of Dentistry, Milwaukee, WI, USA)
- ***Bench Top-to-Bedside: 3D Printing Applications for Tissue Engineering***
Organizer: Lukasz Witek (New York University, NY, USA)
- ***Current Standing of Image-Based Scaffold Design for Craniofacial Regeneration***
Organizers: Juan Taboas (University of Pittsburgh, PA, USA); Alejandro Almarza (University of Pittsburgh, PA, USA); Marco Bottino (University of Michigan, Ann Arbor, MI, USA)
- ***Don't Push Reject! Tips From Editors to Improve Publishing Skillsets***
Organizers: Nicholas Fischer (University of Minnesota, Minneapolis); Seung Jin Jang (University of Florida, Gainesville); Kazune Pax (The Ohio State University, Columbus)
- ***Honoring Dianne Rekow: Digital Dentistry – From Research to Clinical Reality***
Organizers: Jack Ferracane (Oregon Health & Science University, Portland); Stephen Bayne (University of Michigan, Ann Arbor)
- ***Targeting Complexity in the Tumor Microenvironment: New Immunotherapy Strategies***
Organizer: Simon Young (University of Texas Health Science Center at Houston, TX, USA)

DMG Scientific Program at 2023 AADODR/CADR

Keynote Speakers sponsored by the DMG:

- ***The Focus of Clinical Research with CAD/CAM Ceramics and Zirconia***
Speaker: Denis Fasbinder (University of Michigan, Ann Arbor, MI, USA)
 - ***Emerging Strategies and Progress on Biomaterials for Restorative Dentistry***
Speaker: Mary Anne Sampaio de Melo (University of Maryland, College Park, MD, USA)
 - ***Neural Networks for Designing Reduced-Diameter Implants: Advantages and Limitations***
Speaker: Jason Griggs (University of Mississippi Medical Center, Jackson, USA)
 - ***Melt Electrowriting for Regenerative Medicine***
Speaker: Paul Dalton (University of Oregon, Portland, USA)
 - ***Large Animal Models for TMJ Disc Translational Studies***
Speaker: Alejandro Almarza (University of Pittsburgh, PA, USA)
 - ***Development and Maintenance of Surface Gloss of Direct Dental Composite Restorations***
Speaker: Juliana da Costa (Oregon Health & Science University, Portland, USA)
-

Focused Learning Session sponsored by the DMG:

- ***Discussing Animal Models of Bone/Dentin Regeneration with Students and Scholars***
Speaker: Patricia Miguez (University of North Carolina, Chapel Hill, USA)
- ***Will Self-adhesive Composites Have a Future in Restorative Dentistry?***
Speaker: Antonio HS Delgado (Centro de Investigação Interdisciplinar Egas Moniz (CiiEM), Almada, Portugal)

IADR COUNCILOR'S REPORT

By Carmem Pfeifer on behalf of Saulo Geraldelli

Dear DMG member,

Please, find below a summary of the AADOCR Council meeting held on March 7th, 2023.

Election results

AADOCR vice-president: Jennifer Webster-Cyriaque, NIDCR

AADOCR representative on the IADR Publications Committee: Purmina Kumar, Univ of Michigan
Slate of candidates for AADOCR VP election 2023: Nisha D'Silva (Univ. of Michigan), Yvonne Hernandez-Kapila (UCLA); Daniel McNeil (University of Florida, Gainesville).

President and CEO reports

The hybrid 2022 AADOCR/CADR Annual Meeting & Exhibition was attended by 1,531 total delegates – with 692 individuals from 21 countries joining virtually, and 839 individuals from 18 countries joining us in person in Atlanta. It also featured the first ever “Meeting Within a Meeting” on the topic of “Contemporary AI Applications in Dental Research,” which included a series of lectures oriented towards non-quantitative dental researchers and clinicians, to build a shared terminology for contemporary artificial intelligence (AI) research.

We had the third cohort of the AADOCR MIND the Future Program, an inclusive mentoring network to support a diverse pool of early career investigators, whose participation is vital to advancing dental, oral, and craniofacial research and improving the oral health of the USA.

AADOCR Advocacy Day was conducted virtually in 2022. Congress passed and President Biden signed into law a bipartisan \$1.7 trillion “Omnibus” or government funding bill that keeps government operations funded through fiscal year (FY) 2023. The Consolidated Appropriations Act of 2023 (H.R. 2617) included all twelve FY23 spending bills and authorizing language for the Advanced Research Projects Agency for Health (ARPA-H), among many other provisions. The FY 2023 Omnibus includes \$47.459 billion for the NIH, \$9.2 billion for the CDC, and \$1.5 billion for ARPA-H. The NIH figure represents a \$2.5 billion increase (+5.6%) over the comparable FY 2022 level and includes the full \$1.1 billion provided to the NIH in FY 2023 through the Innovation Account. Unfortunately, the funding increase for NIDCR (+3.8%) lags the percentage increases received by other NIH institutes. The bill appropriates \$520.163 million for NIDCR in FY 2023, or \$18,932,000 above the FY22 level. AADOCR will advocate for greater proportional increases for NIDCR within the NIH budget in the FY 2024 appropriations process.

AADOCR has several diversity initiatives, including AADOCR/Procter & Gamble Underrepresented Faculty Research Fellowship, and the AADOCR Anne D. Haffajee Fellowship.

Membership trends: As of December 31, 2022, AADOCR had 2,636 members, representing 28.7% of the IADR membership of 9,191 members. This represents a -11.2% change from 2021. Factors contributing to this decline may include inability to conduct research during the pandemic, hesitation to travel during the pandemic, uncertainty about restrictions in doing so, doubt about the viability of in-person meetings, and a lessened appetite for virtual events. To counter this trend, AADOCR continues to work with other association partners, such as ADA, ADEA, HDA, and NDA to promote IADR/AADOCR membership.

The GHQ also continues to work with AADOCR Section leadership as well as IADR Scientific Groups and Networks to assist with retaining and attracting new members. New member benefits such as the IADR Community and the AADOCR microsite discussion boards are enhancing the value of membership. As of December 31, 2022, AADOCR had 7 Corporate Section members and 108 Institutional Section members. Continuing from 2015, complimentary membership in one of the 35 IADR Scientific Groups and Networks is included as an IADR membership benefit. Participation in IADR Scientific Groups and Networks will enhance the overall membership experience. Members can join Scientific Groups or Networks beyond the included one for an additional fee. Students continue to receive up to three IADR Scientific Group or Network memberships as part of their dues.

Finances: The AADOCR investment portfolio as of Dec 31, 2021, was just under \$10.2 million, a net increase of 12.3% from 2020. Although unaudited, the AADOCR portfolio as of the end of 2022 was \$8.3 million, the decrease was primarily due to significant market losses in the first 3 quarters of the year. Preliminary year-end estimates for 2022 project AADOCR ending the year needing a \$900,000 investment allocation to get to a balanced budget as compared to a \$847,000 budgeted investment allocation, or \$53,000 unfavorable to budget. The higher than budgeted allocation is due to a larger than expected meeting deficit and lower than budgeted membership dues.

FUTURE MEETINGS

- The 2024 IADR/AADOCR/CADR General Session & Exhibition will take place March 13-16, 2024, in New Orleans, LA.
- The 54th Annual Meeting & Exhibition of the AADOCR and the 49th Annual Meeting of the CADR will take place March 12-15, 2025 in New York, NY.
- The 2026 IADR/AADOCR/CADR General Session & Exhibition will take place March 25-28, 2026, in San Diego, CA, USA.
- The 2027 AADOCR General Session & Exhibition will take place March 17-20, 2027, in Minneapolis, MN, USA (voted in Council).

IN MEMORIAM

Sadly, the IADR/AADOCR lost the following past officers of IADR and AADOCR since last Council:

Benjamin Franklin Hammond, 7th President of AADOCR (1978-79), View his tribute in Journal of Dental Research.

William Dennis McHugh, 65th President of IADR (1988-89) and 12th President of AADOCR (1983-94). A Journal of Dental Research tribute will be published in early 2023.

E. Dianne Rekow, 88th President of IADR (2011-12) and 35th President of AADOCR (2006-07). View her tribute in Journal of Dental Research.

Paul Robertson, 81st President of IADR (2004-05) and 27th President of AADOCR (1998-99). A Journal of Dental Research tribute will be published in early 2023.

TREASURER'S REPORT

The DMG finances are in good standing, and the account shows a balance of **\$110,540.10** (as of 09/30/2022), as shown in detail in the table below.

	3 rd Quarter	YTD
Beginning Balance	<u>\$109,715.60</u>	
Revenue		
Dues	824.50	11,904.50
Comp Dues	0.00	680.00
Contributions	0.00	105.00
Total Revenue	\$824.50	\$12,689.46
Expenses		
Awards, Fellowships, & Grants	0.00	9,944.69
Contribution Expense	0.00	83.91
Total Expenses	\$0.00	\$10,028.60
Net Income/Loss	\$824.50	
Available Cash Balance	<u>\$110,540.10</u>	

DENTAL MATERIALS GROUP

→ Current Board Members ←



Salvatore Sauro

Universidad CEU-Cardenal Herrera
Spain

PRESIDENT



Vinicius Rosa

National University of Singapore
Singapore

PRESIDENT - ELECT



Josette Camilleri

University of Birmingham
United Kingdom

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



Marco Ferrari

University of Siena
Italy

PAST - PRESIDENT



Carmem Pfeifer

Oregon Health & Science University
USA

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:

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

➤ Asia / Pacific:

- Monica Yamauti – Hokkaido University, Japan (2023-2025)
- James Kit Hon Tsoi - University of Hong Kong (2021-2023)
- Nileshkumar Dubey – National University of Singapore (2021-2023)

➤ Latin America:

- Regina M Puppini 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:

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

➤ Pan-European:

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

CALL FOR NOMINATIONS - DMG

→ Member-at-Large ←

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

- **South 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: August 26, 2023.

Please send nominations electronically to Dr. Carmem S. Pfeifer (pfeiferc@ohsu.edu).

→ Vice - President ←

- The nomination for the Vice-President of the Dental Materials Group will open in the second half of 2023.
- 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.

In memoriam

Karl Francis Leinfelder

Dr. **Karl Francis Leinfelder** passed away on December 6, 2022 surrounded by his wife and loving family. Karl was 90 when he lost his battle to Leukemia. Karl was born on October 4, 1932 in Lacrosse, Wisconsin and was the first of seven children. In 1950, Karl started pre-medical school at Notre Dame. In 1951, he transferred to Wisconsin State University.



In 1953, Karl was drafted into the military during the Korean conflict. After an honorable discharge, he finished his pre-dental classes at Wisconsin University at La Crosse. Karl then started Dental School at Marquette University in Milwaukee where he received a Doctor of Dental Science and Master's in Dental Materials.

Karl started his professional career in Port Washington, Wisconsin working with his father, Marcus John Leinfelder, who was an established dentist. Then he accepted a position at Marquette in the Dental School and remained there for seven years. In 1970, Karl moved to Chapel Hill, NC, where he taught and did research at UNC's Dental School in the Clinical Research department for 13 years. In 1984, Karl accepted a position as department head at UAB's Dental Research Department, where he remained for 12 years. Karl retired from UAB and traveled the world as an expert consultant and lecturer in the field of dental materials.

Karl was a devout Christian, an avid gardener and especially loved cacti, and a Washington Redskins fan. Karl enjoyed family vacations, especially the long summer road trips and the extended family visits to Wisconsin.

Adapted from Walker's Funeral Home of Mebane on Dec. 10, 2022

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 2024



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/IADR/Awards/Scientific-Group-Awards/DM/Science>

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: [click here](#)

Deadline for nominations: **January 31, 2024.**

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

2023 IADR / LAR General Session & Exhibition



Key Deadlines

Abstract & Session Proposal Submission Site: **Closed**

Session Proposal Submissions: **Closed**

Abstract Submission: **Closed in January 24, 2023**

Decision Notifications sent to Presenters: **late-March 2023**

Presenter Pre-registration Deadline: **April 19, 2023**

FUTURE MEETINGS

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

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

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



54th Annual Meeting & Exhibition of the **AADO**CR
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 **AADO**CR
50th Annual Meeting of the **CADR**

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



2023 ADM MEETING



ADM
2023

San Diego, CA USA

Material Testing and Performance: Laboratory and Clinical Challenges

Wednesday, October 4 - Saturday, October 7, 2023

SAVE THE DATE



INVITED SPEAKERS

Lars Björkman

University of Bergen, Norway

Paulo Francisco Cesar

University of São Paulo, Brazil

Albert Feilzer

ACTA, Amsterdam, The Netherlands

Garry Fleming

Trinity College, Dublin, Ireland

Ulrich Lohbauer

Friedrich-Alexander University
Erlangen-Nürnberg, Germany

Thomas Rustemeyer

Amsterdam University Medical Centers
Amsterdam, The Netherlands

Nicola Scotti

University of Turin, Italy

Pekka Vallittu

University of Turku, Finland

Satoshi Yamaguchi

Osaka University, Japan

<https://www.admconference.com/poster-abstract-award-guidelines/>