

16th International Workshop on Biomaterials in Interface Science

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Keywords: international workshop, biomaterials, interface science, bioengineering, oral health

The international joint symposium 2021 was held online on September 28, 2021, which was co-sponsored by the Institute for Materials Research (IMR), Graduate School of Dentistry, Graduate School of Biomedical Engineering and Medical Science at Tohoku University. The symposium contains four sessions, including the Oral Health Care, Bioengineering, Young investigators, and Biomaterials. During the symposium, 20 oral presentations including 4 invited lectures and other 16 oral talks were given by the researchers from Australia, Singapore, Indonesia, Finland, and Japan. Interdisciplinary discussions and state-of-the-art research presentations on various types of materials were progressed by international researchers and students from wide research fields such as material science, dentistry, and medical engineering, which contributes significantly to the progress of research among both domestic and overseas researchers.

1. 概要

東北大学金属材料研究所、歯学研究科、医工学研究科と3つの組織で生体材料研究を中心とした研究発表の場として毎年開催しているワークショップである。開催形式はオンラインで開催され、オーストラリア、シンガポール、インドネシア、フィンランドからも参加があった。研究内容としては研究テーマごとに4セッションに分けて行われ、招待講演、口頭発表からなる共同ワークショップとなった。

2. 内容

生体材料研究を中心として2021年9月28日、The 16th International Workshop on Biomaterials in Interface Scienceとしてオンラインで開催された。組織メンバーは、東北大学（金属材料研究所、大学院歯学研究科、大学院医工学研究科）であった。セッションテーマとしては、① Oral Health Care、② Bioengineering、③ Young innovators、④ Biomaterialsの4テーマとなり、招待講演者4名、口頭発表16名であった。海外講演者の招待講演とし

では Qing LI 先生より、「A bone remodeling procedure for application in mandibular reconstruction」というタイトルで、Bee Tin GOH 先生より、「Regeneration of the dentoalveolus- innovations for clinical translation」というタイトルで、Ruslizam DAUD 先生より、「Biomechanical overloading on dental implant」というタイトルで、Miho NAKAMURA 先生より、「A new concept of hydroxyapatite for bone regeneration –nano structure and response to mechanical strain」というタイトルでそれぞれ講演が行われた。オンラインでの開催ではあったが、国内外からの参加者は約 75 名となり有意義な会であった。

Interface Summer Seminar 2021

The 16th International Workshop on Biomaterials in Interface Science



Sponsored by Graduate School of Dentistry, Biomedical Engineering, Engineering,
Institute for Materials Research, Tohoku University
Tohoku Medical and Dental University
Global Institute for Materials Research Tohoku (GIMRT)

Date and Time

Sep. 28, 2021 (Tue.) 9:00 - 16:30

Online meeting (held at Webinar)

Topics

① Oral Health Care

② Bioengineering

③ Biomaterials

④ Young investigators

3 JOURNALISTS
FOR PRESS

7 POSTER PRESENTATION
OPPORTUNITY

9 ONLINE MEETING
ON INTERACTIVE

11 INTERACTIVE
DISCUSSIONS

Online registration

Please register by Sep. 26, 2021 (Sun.), Japan standard time.

※We will send the URL for participating in the seminar to all the applicants by the date of the seminar.

URL

<https://forms.gle/ohavRqnbJnXxuerM6>



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Schedule at a Glance

28 Sep. 2021	Start Time	Topic	Speaker
Opening Session		8:00 - 8:15	Opening address Takao YAMAMOTO
Session I: Oral Health Care		Chair: Chomsi EUSUJIKI & Uweyeli EGUSA	
8:15 - 8:30	IC1	Invited Lecture	Qing LI
8:45 - 9:00	IC2	Invited Lecture	Bee Tin GOH
9:15 - 9:30	OC1	Oral talk	Yusuf TANAKA
9:45 - 10:00	OC2	Oral talk	Shin YAMAMOTO
10:15 - 10:30	OC3	Oral talk	Mai KANEKO
Session II: Bioengineering		Chair: Yoshifumi SAJIO & Tetsuya KODAMA	
10:30 - 10:45	IC3	Invited Lecture	Russiah DAUD
11:00 - 11:15	OC4	Oral talk	Takashi OKUYAMA
11:30 - 11:45	OC5	Oral talk	MEISAKI ANOYAMA
11:55 - 12:10	OC6	Oral talk	Takashi NAKAMURA
12:20 - 12:35	OC7	Oral talk	Ryusaku KODAMA
12:35 - 12:50		Break	
Session III: Young Investigators		Chair: Tetsu KIYOSAKI & Hiroshi CHUGANAI	
13:10 - 13:25	OC8	Oral talk	Taru KUSUDA
13:35 - 13:50	OC9	Oral talk	Hirotaka CHUGANAI
14:00 - 14:15	OC10	Oral talk	Alpa PRINASTITA
14:25 - 14:40	OC11	Oral talk	Hany YUANG
14:50 - 15:05	OC12	Oral talk	Rachita MITRA
Session IV: Biomaterials		Chair: Takahiro SUZUKIYAMA & Masaya YAMANAKOTO	
15:05 - 15:20	IC4	Invited Lecture	Miho NAKAMURA
15:30 - 15:45	OC13	Oral talk	Abdul Mufroud Sultan IMMANHULIH
15:55 - 16:10	OC14	Oral talk	Takao YAMAMOTO
16:20 - 16:35	OC15	Oral talk	Jamini IYOH
16:45 - 17:00	OC16	Oral talk	Takan YOKOI
Closing Session		16:50 - 17:15	Closing address Nobuhito TANAKAWA