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# 2021 Online International Symposium on Materials Chemistry

2021 소재화학연구소 국제학술대회

| 일시 | **2021년 11월 11일(목)**  
November 11th (Thursday) 2021

| 장소 | Zoom platform ;  
<https://cnu-ac-kr.zoom.us/j/85948816307>  
Meeting ID: 859 4881 6307

| 주관 | **충남대학교 소재화학연구소**  
Research Institute of Materials Chemistry,  
Chungnam National University

| 후원 | **충남대 화학물질특성분석 핵심연구지원센터**  
CNU Chemistry Core Facility



Research Institute of Materials Chemistry  
Chungnam National University



충남대학교 소재화학연구소



## Invitation letter

It is my great pleasure and honor to welcome you all to the 2021 International Symposium on Materials Chemistry hosted by Research Institute of Materials Chemistry at Chungnam National University. The COVID-19 pandemic has changed the world in many ways. This year the symposium will be held as an online conference due to the COVID-19 situation. Instead, top-level international speakers will be presenting and discussing the latest technologies about life sciences and material sciences. I sincerely hope that the present meeting will encourage joint activities in near future.

November 2021

Jeongkwon Kim, Ph.D.

Director of Research Institute of Materials Chemistry

## Program

**09:30 – 10:00**

Registration

**10:00 – 10:10**

Opening Remarks :

Prof. Moon-Deock Kim (*Dean, CNS*)

Prof. Jeongkwon Kim (*Director, RIMC*)

### Session I

Chairperson : Prof. Kyung-sun Son

(*Chungnam National University, Korea*)

**10:10 – 10:40**

Hee Jung Koo

(*Standigm UK, United Kingdom*)

"A journey to make a paradigm shift: facilitating early drug discovery using AI"

**10:40 – 11:10**

Yuhan Lee

(*Harvard Medical School, USA*)

"Therapeutic luminal coating of the intestine for the treatment of type-2 diabetes"

**11:10 – 11:40**

Chang Woo Myung

(*Chungnam National University, Korea*)

"Machine learning design of energy materials: challenges and opportunities"

**11:40 – 11:50**

Photo Time

**11:50 – 13:10**

Lunch Break

### Session II

Chairperson : Prof. Jaebeom Lee

(*Chungnam National University, Korea*)

**13:10 – 13:40**

Chenjie Xu (*City University of Hong Kong*)

"Nucleic acid-based functional nanoparticles for biosensing"

**13:40 – 14:10**

Jaheon Kim (*Soongsil University, Korea*)

"Design, synthesis, and gas adsorption applications of zeolitic imidazolate frameworks"

**14:10 – 14:40**

Dong-Myeong Shin (*University of Hong Kong*)

"Energy scavenging from the mechanical resource, and energy storage to high performing battery"

**14:40 – 14:50**

Photo Time

**14:50 – 15:00**

Closing