

# Hokkaido University ICReDD-Faculty of Medicine Joint Symposium Interconnecting chemical reaction discovery and medicine October 15th FRI, 2021 Online

No entry fee. No prior registration required.  
On-demand one month available (Oct 18 – Nov 15).



To get URL

Opening remarks : Shigetsugu Hatakeyama (Dean of Faculty of Medicine)

<Session 1> 13:05-14:05 Chair : Tetsuya Taketsugu (ICReDD)



• **Satoshi Maeda (ICReDD)**

"Artificial force induced reaction method: A computational approach for exploring chemical reactions based on quantum chemical calculations"



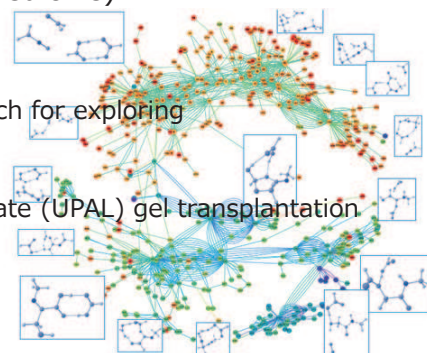
• **Tomohiro Onodera (Faculty of Medicine)**

"Clinical development and commercialization of ultrapurified alginate (UPAL) gel transplantation for articular cartilage injury"



• **Hajime Ito (ICReDD)**

"Chemistry for sensing and utilizing mechanical force"



<Session 2> 14:05-15:05 Chair : Masumi Tsuda (ICReDD/Faculty of Medicine)



• **Jian Ping Gong (ICReDD)**

"Challenges and opportunities of hydrogel research in ICReDD"



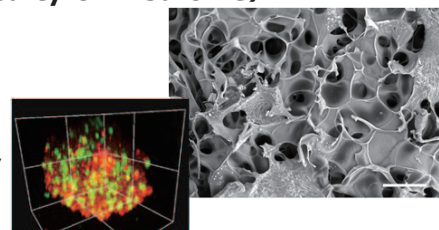
• **Shinya Tanaka (ICReDD/Faculty of Medicine)**

"Application of multi-functional hydrogel for biomedical research"



• **Tamiki Komatsuzaki (ICReDD)**

"Acceleration of measurements preserving diagnosis accuracy by reinforcement learning: Raman imaging and medical applications"



<Session 3> 15:30-16:30 Chair : Yasuhide Inokuma (ICReDD)



• **Yasuchika Hasegawa (ICReDD)**

"Cancer-imaging system using luminescent lanthanide complex"



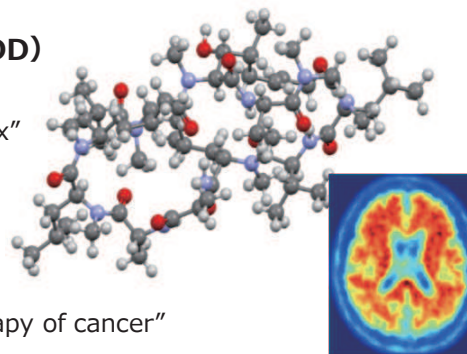
• **Kenji Hirata (Faculty of Medicine)**

"Artificial intelligence in positron emission tomography"



• **Yasuhiro Hida (Hokkaido University Hospital)**

"Expanding the application of near-infrared photoimmunotherapy of cancer"



<Session 4> 16:30-17:30 Chair : Masamichi Imajo (ICReDD)



• **Koji Taniguchi (Faculty of Medicine)**

"Inflammation-induced regeneration and cancer"



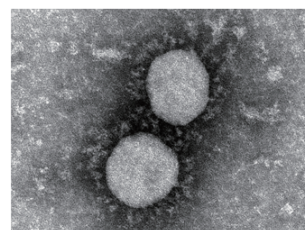
• **Ichigaku Takigawa (ICReDD)**

"Machine learning for molecules"



• **Takasuke Fukuhara (Faculty of Medicine)**

"Establishment of a simple high-speed reverse genetics system for SARS-CoV-2"



Closing remarks : Satoshi Maeda (Director of ICReDD)