**NBTS**
Neurobiotechnology Symposium

# 1st Neurobiotechnology Symposium 2023

## Novel Technology & Therapeutic Approach in Neurodegenerative Diseases

**Date**   May 10, 2023

**Venue**   Auditorium, Sungkyunkwan University Natural Sciences Campus, Suwon, Korea

08:45 - 09:00   Arrival and Networking

**09:00 - 09:15   Welcoming Remarks**   Moderator: Minah Suh (Sungkyunkwan University, Korea)

09:00 - 09:10   Jibeom Yoo, President of Sungkyunkwan University, Korea

09:10 - 09:15   Sangjeon Chung, Dean of School of Pharmacy (Sungkyunkwan University, Korea)

**09:15 - 10:15   SESSION A: Novel Technology**   Chair: Jaecheol Lee (Sungkyunkwan University, Korea)

09:15 - 09:40   *De novo* design of functional proteins   William F. DeGrado (University of California San Francisco, USA)

09:40 - 10:05   **Super-selective brain delivery of a therapeutic antibody and its therapeutic application in Alzheimer's disease**   Yong Ho Kim (Sungkyunkwan University, Korea)

10:05 - 10:15   **Q&A**

10:15 - 10:30   Coffee Break

**10:30 - 11:30   SESSION B: Novel Therapeutic Approach**   Chair: Dong-Gyu Jo (Sungkyunkwan University, Korea)

10:30 - 10:55   **Reactive astrocytes as the cause of Alzheimer's disease**   C. Justin Lee (Institute for Basic Science, Korea)

10:55 - 11:20   **CSF1R inhibitors induce sex-specific phenotypes in a tauopathy mouse model**   Carlo Condello (University of California San Francisco, USA)

11:20 - 11:30   **Q&A**

**11:30 - 12:05   SPECIAL TALK: Novel Therapeutic Development & Open Innovation**   Chair: Han-Joo Kim (IMNEWRUN, Korea)

11:30 - 11:55   **Masterpieces of innovation - own experiences and future perspective**   Michael Mark (Boehringer Ingelheim [1985-2020], Germany)

11:55 - 12:05   **Q&A**

**12:05 - 12:10   Closing Remarks**

12:05 - 12:10   Seong-Gi Kim, Director of Center for Neuroscience Imaging Research (CNIR), IBS, Korea

**Host**

SUNGKYUNKWAN UNIVERSITY 1398

IMNEWRUN

**Sponsor**

**BrainKorea21** FOUR

- Total Periodic Education Center for Innovative Bio-therapeutics Based on Cluster of Industry, University, Research, Institute and Hospital
- Intelligent Precision Healthcare Convergence
- Education Research Group for Nano-Convergence Based Advanced Materials

**Registration**