




# Nano-Bio Workshop

© Immagine SEM di Emmanuele Kizito Ambrosi  
DSMN



Ca' Foscari  
University  
of Venice  
Department of Molecular  
Sciences and Nanosystems



**CRO**  
AVIANO

**November 30th, 2022**  
**Conference Room Orio Zanetto**

## 9.15 Welcome Greetings

**9.30 Design and site-directed immobilization of recombinant antibody fragments for sensitive immunodiagnosics**

Yoichi Kumada, KIT Kyoto Institute of Technology

## 10.15 – 10.35 Coffee break

**10.35 Proteins as inspiration for smart materials**

Ivan Coluzza, IKERBASQUE. Basque Foundation for Science

*11.20 (to be defined)*

Antje Potthast, Universität für Bodenkultur Wien

**12.05 Strategies to promote cancer nanomedicine performance and clinical translation**

Twan Lammers, Rheinisch-Westfälische Technische Hochschule Aachen

**12.50 Cellulose Nanocrystals as Scaffolds for Nano-Materials, Photo-reversible & Antimicrobial Self Assemblies**

Dimitris S. Argyropoulos, North Carolina State University

## 13.35 – 14.30 light lunch

## PhD students contributions and panel discussion

**14.30 Yeast display platform for the discovery of new biomolecules**

Sara Linciano, KIT and Università Ca' Foscari Venezia

**14.50 Development of PS-tag-fused proteinL for site-specific immobilization of antibodies**

Haruka Taniguchi, KIT Kyoto Institute of Technology

**15.10 Screening of rabbit scFv against SARS-CoV-2 nucleocapsid protein from phage library**

Ngoc Minh Nguyen, KIT Kyoto Institute of Technology

**15.30 Two dimensional and inorganic nanomaterials hybrids for applications in renewable energy**

Anastasiia Taranova, Università Ca' Foscari Venezia

**15.50 Novel chiral luminescent nanomaterials: formation mechanism and origin of chirality**

Lorenzo Branzi, Università Ca' Foscari Venezia

**16.20 Metal Nitroprusside Materials for Targeted Cancer Therapy**

Kanwal Asif, CRO, Aviano and Università Ca' Foscari Venezia

## 16.40 Final remarks and networking cocktail