

# smARTs

## Pioneering Smart Solutions for Animal and Human Assisted Reproduction

7 September 2023 from 10:00 to 12:40 CET  
online



### 10:00 - 10:15 **Opening & welcome**

- MicroFSMA project
- RepBiotech project
- smARTs cluster

### **Session 1: invited talks**

#### 10:15 - 10:30 **Past, Present, and Future of Assisted Reproductive Technologies (ART) Practices**

Dr. Lourdes Muriel, Director of IVI RMA Global Laboratory, London UK

#### 10:30- 10:37 **Q&A**

#### 10:37- 10:52 **"Sperm Preparation Technologies" and their "Advances and Significance in IVF Treatments"**

Dr. Xavier Pollet-Villard , Director of Nataliance IVF Laboratory, Orléans France

#### 10:52- 11:00 **Q&A**

### **Break**

### **Session 2: host presentations**

#### 11:15- 11:30 **Bio-inspired Solutions: Improving Sperm Selection through Biomimetics**

Dr. Shiva K Shukla , CEO/CTO Beez Biotech SAS, Rennes France

#### 11:30- 11:37 **Q&A**

#### 11:37- 11:52 **What can uterine secretions teach us? Applications in Cancer and Fertility**

Dr. Analuce Canha , Post-Doc Fellow University of Granada, Granada Spain

#### 11:52- 12:00 **Q&A**

### **Session 3: panel discussion**

#### 12:00- 12:40 **How Artificial Intelligence Can Impact the Outcomes of ART Treatments: Advances, Limitations, and Ethical Constraints**

