

## **Session Program**

**31 May 2021 to 4 June 2021**

A banner for the InterPore2021 Online conference. It features a hexagonal logo with a blue and white molecular structure on the left. The text 'InterPore2021' is in large black font, with 'Online' in a smaller italicized font below it. To the right, it says '13<sup>th</sup> Annual Meeting' and '31 May - 4 June 2021'. At the bottom left, it says 'Don't miss a moment!' and at the bottom right, 'Plan to view presentations before the conference'. The background has a blue and grey geometric design.

**InterPore2021**  
*Online*

13<sup>th</sup> Annual Meeting  
31 May - 4 June 2021

*Don't miss a moment!* [Plan to view presentations before the conference](#)

# **InterPore2021**

## **MS5**

# Monday 31 May

15:10

## MS5: MS05 (1)

### Session

15:10–15:25

#### Studying viral aggregation in porous media

##### Speaker

Mr Dong Zhang

15:25–15:40

#### Pore-scale origin of flow-induced bio-aggregation

##### Speaker

Sang Lee

15:40–15:55

#### Life in a tight spot: How bacteria move in porous media

##### Speaker

Sujit Datta

15:55–16:10

#### Microbial Induced Desaturation and Precipitation (MIDP) in Stratified Granular Soil

##### Speaker

Dr Leon A. Van Paassen

16:10–16:25

#### Evaluating the interaction of biofilms, organic matter and soil structures at the pore scale

##### Speaker

Alexander Prechtel

16:25–16:40

#### Study of the Combined Effect of Reservoir Souring and Scale Formation in hydrocarbon reservoirs

##### Speaker

Ali Mahmoodi

16:40–16:55

#### Enzymatic degradation of biomass: a porous media approach

##### Speaker

Sarah Blosse

16:55

## Friday 4 June

10:40

### MS5: MS05 (2)

#### Session

10:40–10:55

#### **Investigating the Effect of Enzymatically Induced Carbonate Precipitation on Hydraulic Properties**

**Speaker**

Johannes Hommel

10:55–11:10

#### **Capsule-based biomimetic regulating technique of MICP and its application for soil reinforcement**

**Speaker**

Dr Alexandra Clarà Saracho

11:10–11:25

#### **Numerical study of the temperature effects on MICP**

**Speaker**

Dr Xuerui Wang

11:25–11:40

#### **Quantifying sulfate reduction rates of biofilm on shale fracture walls within a microfluidic reactor**

**Speaker**

Lang Zhou

11:40