The last few years has seen a revolution in DNA technologies that has greatly expanded our capabilities in the study of microbial communities. How can we apply this new technology in environmental biotechnology? Where are we now and what are the future perspectives? Come and hear about these fascinating possibilities from leading researchers and industry.

Program:

9:00 Welcome and introduction
(Per Halkjær Nielsen, Aalborg University, Denmark)

9:10 New insights into the activated sludge microbial ecosystem - the largest biotechnological process in the world
(Per Halkjær Nielsen, Aalborg University, Denmark)

9:40 Novel approaches to get insight into the identity and function of microorganisms in environmental biotechnology
(Mads Albertsen, Aalborg University, Denmark)

10:10 Coffee

10:30 Economically feasible treatment of hospital wastewater
(Caroline Kragelund Rickers, Danish Technological Institute, Aarhus)

10:50 Case: Active use of community analysis in the operation of WWTPs
(Aviaja A. Hansen, Krüger A/S)
11:10  Micropollutants in wastewater treatment  
(Jeppe Lund Nielsen, Aalborg University, Denmark)

11:40  Elucidating antibiotic resistomes from soil and wastewater treatment plants  
(Morten Sommer, Technical University of Denmark)

12:10  Lunch

13:10  New perspectives in resource recovery  
(Mark van Loosdrecht, Delft University of Technology, The Netherlands)

13:50  PHA biopolymers as by-products from biological wastewater treatment  
(Fernando Morgan, AnoxKaldnes)

14:15  Biogas production in Denmark  
(Irini Angelidaki, Technical University of Denmark)

14:45  Factors controlling microbial communities in digesters at Danish WWTP  
(Rasmus Kirkegaard, Aalborg University, Denmark)

15:05  Coffee

15:30  Elucidating the structure and architecture of microbial communities performing partial nitritation/anammox  
(Barth Smets, Technical University of Denmark)

16:00  Community composition and N₂O production pathways in nitritating bioreactors: use of functional genes and ¹⁵N isotopes  
(Marlene M. Jensen, Technical University of Denmark)

16:20  Phosphorus recovery from digesters  
(Peter Tychsen, Krüger A/S)

16:50  Concluding remarks  
(Per Halkjær Nielsen, Aalborg University, Denmark)

17:00  Networking – drinks

17:30  Dinner

19:00  End

Register latest November 24th, 2015 by clicking the link below:  
http://aalborg-convention.dk/registration/Bio-seminar2015

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