

Bio4Energy

Autumn Researchers' Meeting 2025

Thursday 20 November 8.30-16.00

Umeå Universitet – Carl Kempe salen, KBC building

Wednesday 19 November 18.30 Optional dinner at Orangeriet *Boule and Bistro*

Check in the participant list if you registered for dinner

- 8.30** **Welcome and opening of the meeting**
Information from the managers
- 9.00** **Bio4Energy's Environment and Nutrient Recycling platform (EnviroNut)**

Environment and Nutrient Recycling – a platform working for circularity
Nils Skoglund, EnviroNut platform leader
- 9.05** **Invisible threats in visible streams: Fate of 'forever chemicals' in waste and residues**
Stina Jansson
- 9.25** **Why algae?**
Francesco Gentili
- 9.45** **Algae as a bridge between wastewater treatment and the biorefinery value chain**
Sarah Conrad
- 10.00** **Fika**
- 10.30** **A novel category of slow release fertilizers for plant cultivation**
Torgny Näsholm
- 10.50** **Time resolved studies of biochar properties - with relevance for waste water treatment**
Christoffer Boman
- 11.10** **Tree root-soil-microbial interactions and nitrogen availability**
Sandra Jämtgård
- 11.30** **Nils wraps up**
- 11.35** **Lunch** (*Restaurant Hjortron, Umeå University*)

13.00 Invited external speakers

Insights and reflections from 20 years of work to boost the bioeconomy in North Sweden and in the EU

Magnus Matisons, BioFuel Region

13.30 Umeå Energi: a local presence with a global responsibility

Marcus Hedman and Sara Jonsson, Umeå Energi AB

14.15 Advancing Wood and Fibre Science: A New Team at RISE

Robert Nilsson, RISE

14.30 Young researchers in spotlight

Poster Pitches presentations:

High-Throughput Hunt for Yeast-Derived Bio-Fragrances

Amisha Patel (BioPolChem, P5)

Enzymatic modification of lignin by oxidoreductases from wood degrading fungi

Mateo Bello Villarino (BioPolChem, P5)

Selective electrocatalytic hydrogenation of phenol to cyclohexanone over PtNi/NC catalyst

Guo Huang (CatSep, P6)

Bio2Print: Underutilized natural fibers for 3D printing

Chaojun Tang (BioPolChem, P5)

Self-Assembled Carbon in Hydrothermal Filtrate: How conditions drive structure and yield

Alexandra Aveling (EnviroNut, P7)

Real-Time Monitoring of Antibiotics in Drinking Water Using Printed Sensor Technology

Shatrudhan Palsaniya (CatSep, P6)

The story of Cr in bottom ash

Jeenu Jegy (EnviroNut, P7)

15.00 Poster session, including fika

Award ceremony for best poster & pitch

15.45 Closing remarks

16.00 Meeting closes

Participants

	name	affiliation	dinner
1	Abirami Senthil	RISE	Yes
2	Ajaikumar Samikannu	UmU	No
3	Alana Lansky	UmU	No
4	Alexandra Aveling	UmU	Yes
5	Alexey Sepman	RISE	Yes
6	Ali Valizadeh	SLU	No
7	Amisha Patel	UmU	No
8	Anna Strandberg	UmU	No
9	Anousheh Fazeli	UmU	Yes
10	Asal Atakhani	UmU	Yes
11	Audrey Rigaud	UmU	No
12	Carlos Martin Medina	UmU	Yes
13	Chaojun Tang	UmU	Yes
14	Christiane Funk	UmU	Yes
15	Christoffer Boman	UmU	Yes
16	Claudia Salou-Quineche	UmU	Yes
17	Dan Bergström	SLU	No
18	David A. Agar	SLU	Yes
19	Diego Alejandro Miranda	UmU	Yes
20	Eleonora Borén	RISE Processum	No
21	Florian Schmidt	UmU	Yes
22	Francesco Gentili	SLU	Yes
23	Fredrik Weiland	RISE	Yes
24	Gopinathan Manavalan	SLU	No
25	Guo Huang	SLU	Yes
26	Hannele Tuominen	SLU	Yes
27	Henrik Böhlenius	SLU	Yes
28	Henrik Wiinikka	SLU	Yes
29	Hoda Shafaghat	RISE	Yes
30	Io Antonopoulou	SLU	Yes
31	Irina Iakovleva	UmU	Yes
32	Jeenu Jegy	UmU	Yes
33	Jenny Lundqvist	UmU	No
34	Jiaqi Huang	SLU	No
35	Johannes Hanson	UmU	Yes
36	J-P Mikkola	UmU	Yes
37	Junko Schmidt	SLU	Yes
38	Kateryna Hrimanova	UmU	Yes
39	Lars Persson	UmU	No
40	Leif Jönsson	UmU	Yes
41	Liang Yu	SLU	Yes
42	Linnea Ekblad	RISE	No
43	Magnus Rudolfsson	SLU	Yes
44	Manila Rafi	UmU	No
45	Manuel Serif	UmU	Yes
46	Marco Bassani	UmU	Yes
47	Markus Broström	UmU	No
48	Mateo Bello Villarino	UmU	Yes

49	Mats Tysklind	UmU	No
50	Mehdi Tarkhani	SLU	Yes
51	Nils Skoglund	UmU	Yes
52	Ola Sundman	UmU	No
53	Premchand Premchand	SLU	Yes
54	Robert Lundmark	SLU	Yes
55	Robert Nilsson	RISE	Yes
56	Samam Salehina	SLU	Yes
57	Santosh Khokarale	UmU	Yes
58	Sarah Conrad	SLU	Yes
59	Saumita Chakravarty	UmU	No
60	Sef Meens-Eriksson	UmU	Yes
61	Shaikshavali Petnikota	SLU	Yes
62	Shatrudhan Palsaniya	UmU	No
63	Sonali Ranade	SLU	Yes
64	Stina Jansson	UmU	No
65	Syeda Mahnoor Ali	SLU	Yes
66	Thomas Grahm	RISE	Yes
67	Torgny Näsholm	SLU	No
68	Totte Niittylä	SLU	No
69	Vaishali Rani	UmU	Yes
70	Y. Tolunay Kilic	SLU	No
71	Sandra Jämtgård	SLU	No
72	Sara Jonsson	Umeå Energi	No
73	Marcus Hedman	Umeå Energi	No
74	Magnus Matisons	BioFuel Region	No
75	Erik Steinvall	UmU	Yes
76	Chandani Singh	RiSE Processum	No
77	Anneli Hellström	RISE Processum	No
78	Mikael Thyrel	SLU	Yes