

MICRO 2022 | 14.-18.11 2022 | SFB 1357 Local Node

Overview Who? When? Where? & What?

Day	Person	Lanzarote	Bayreuth	Room	Action
Monday 14.11	Jan Pascal Boos	12.00	13.00	Margulis	Poster
	Matthias Schott	15.30	16.30	Meadows	Chair
Tuesday 15.11	Stephan Rohrbach	09.00	10.00	Margulis	Chair
	Anja Holzinger	09.00	10.00	Margulis	Presentation
	Julian Brehm	09.00	10.00	Margulis	Presentaion
	Éva C. Vizsolyi	09.00	10.00	Margulis	Presentation
	Anika Mauel,	10.30	11.30	Ostrom	Chair
	Julia Möller	10.30	11.30	Margulis	Chair
	Hannes Laermanns	10.30	11.30	Margulis	Presentaion
	Eike Esders	10.30	11.30	Margulis	Presentation
	Gerasimos Gkoutselis	10.30	11.30	Margulis	Presentaion
	Linda Hink	10.30	11.30	Margulis	Presentation
	Matthias Ochs	12.00	13.00	Ostrom	Poster
	Nora Meides & Teresa Menzel	17.00	18.00	Margulis	Chair
	Gerasimos Gkoutselis	18.30	19.30	Ostrom	Chair
	Julia Möller	18.30	19.30	Meadows	Chair
	Seema Agarwal	18.30	19.30	Meadows	Poster
Nora Meides & Teresa Menzel	18.30	19.30	Margulis	Chair	
Jakob Oster	18.30	19.30	Gaia	Chair	
Wednesday 16.11	Eva Cseperke Vizsolyi,	9.00	10.00	Margulis	Chair
	Markus Rolf	9.00	10.00	Margulis	Presentaion
	Stephan Rohrbach	9.00	10.00	Margulis	Presentation
	Simon Wieland	9.00	10.00	Margulis	Presentation
	Anja Ramsperger	9.00	10.00	Margulis	Presentaion
	Michael Schwarzer	9.00	10.00	Gaia	Presentation
	Gerasimos Gkoutselis	10.30	11.30	Margulis	Chair
	Simona Mondellini	10.30	11.30	Margulis	Presentation
	Maximilian Wohlschläger	10.30	11.30	Margulis	Presentaion
	Anika Mauel,	10.30	11.30	Margulis	Presentation
	Matthias Völkl	12.00	13.00	Ostrom	Poster
	Pouyan Ahmadi	12.00	13.00	Meadow	Poster
	Holger Kress	14.00	15.00	Ostrom	Chair
	Jakob Oster	18.30	19.30	Ostrom	Poster
	Melanie Pöhlmann	18.30	19.30	Gaia	Chair
Thursday 17.11	Anika Mauel	10.30	11.30	Margulis	Chair
	Johanna Schmidtman	10.30	11.30	Margulis	Presentation
	Hassan Elagami	10.30	11.30	Margulis	Presentation
	Franz Dichgans	10.30	11.30	Margulis	Presentation
	Sven Ritschar	10.30	11.30	Margulis	Presentation
	Heike Feldhaar	12.00	13.00	Margulis	Chair
	Aileen Jakobs	12.00	13.00	Gaia	Poster
	Eva Cseperke Vizsolyi,	18.30	19.30	Ostrom	Chair
	Stephan Rohrbach	18.30	19.30	Gaia	Chair

Full Programm: <https://www.micro.infini.fr/prog.html>

Lanzarote Time Bayreuth Time: Bayreuth is Lanzarote Time + 1h

MONDAY - 14.November 2022

12h-12h57, Margulis's room. Session 14.3_Ma

Chaired by Hayley McIlwraith and Charlotte Woodhouse, Plymouth

Start 13h Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 14.3 Ma speakers.](#)

Speaker: Boos Jan-Pascal

[An experimental method to quantitatively analyse the transport of microplastic particles in fluvial systems](#)

- Boos Jan-Pascal, Dichgans Franz, Gilfedder Benjamin, Frei Sven.

Paper number 426812, CC BY-NC-SA, DOI 10.5281/zenodo.7216957.

15h30-16h30, Meadows's room. Session 14.5_Me

Chaired by Matthias Schott, Bayreuth

Start 16:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 14.5 Me speakers.](#)

TUESDAY - 15.November 2022

9h-10h, Margulis's room. Session 15.1_Ma

Chaired by Stephan Rohrbach, Bayreuth-Hannover (Local Node Bayreuth 😊)

Start 10:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.1 Ma speakers.](#)

Speaker: Holzinger Anja

[Composted microplastics have contrasting effects on the compost worm *E. fetida* and the woodlouse *P. scaber*](#)

- Holzinger Anja, Lücker Darleen, Albert Lisa, Steiner Thomas, Freitag Ruth, Feldhaar Heike.

Paper number 428085, CC BY-NC-SA, DOI 10.5281/zenodo.7216062.

Speaker: Brehm Julian

[In-depth characterization revealed polymer type and chemical content specific effects of microplastic on *Dreissena bugensis*](#)

- Brehm Julian, Wilde Magdalena V., Reiche Lukas, Leitner Lisa-Cathrin, Petran Benedict, Meinhart Marcel, Wieland Simon, Ritschar Sven, Schott Matthias, Boos Jan-Pascal, Frei Sven, Kress Holger, Senker Jürgen, Greiner Andreas, Fröhlich Thomas, Laforsch Christian.

Paper number 428254, CC BY-NC-SA, DOI 10.5281/zenodo.7216022.

Speaker: Vizsolyi Éva C.

[Optimisation of cryomilling parameters to produce microplastic particles](#)

- Vizsolyi Éva C., Narayana Vinay K. B., Brehm Julian, Oster Jakob S. D., Kernchen Sarmite, Ramsperger Anja, Strohmriegl Peter, Löder Martin G. J., Laforsch Christian.

Paper number 428258, CC BY-NC-SA, DOI 10.5281/zenodo.7216020.

10h30-11h30, Ostrom's room. Session 15.2_O.

Chaired by Anika Mauel, Bayreuth

Start 11:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.2_O speakers.](#)

10h30-11h30, Margulis's room. Session 15.2_Ma

Chaired by Julia Möller, Bayreuth

Start 11:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.2_Ma speakers.](#)

Speaker: Laermanns Hannes

[Transport mechanisms of pristine and bio-fouled microplastic particles on rough surfaces](#) - *Laermanns Hannes, Rolf Markus, Haas David, Steininger Florian, Löder Martin G. J., Bogner Christina.*

Paper number 426825, CC BY-NC-SA, DOI 10.5281/zenodo.7216944.

Speaker: Esders Eike Maximilian

[Is plastic dust different from mineral dust? Results from idealized wind tunnel experiments](#) - *Maximilian Esders Eike, Sittl Sebastian, Krammel Inka, Babel Wolfgang, Papastavrou Georg, Thomas Christoph.*

Paper number 428178, CC BY-NC-SA, DOI 10.5281/zenodo.7216050.

Speaker: Gkoutselis Gerasimos

[Plastiphily and its link to generic virulence in fungal human pathogens makes microplastics a global health factor](#) - *Gkoutselis Gerasimos, Rohrbach Stephan, Harjes Janno, Brachmann Andreas, Horn Marcus, Rambold Gerhard.*

Paper number 428268, CC BY-NC-SA, DOI 10.5281/zenodo.7216026.

Speaker: Hink Linda

[Polylactic acid degradation is enhanced by microbial processes in earthworm guts](#) - *Hink Linda, Rohrbach Stephan, Rehkopf Joey, Holzinger Anja, Weig Alfons R., Feldhaar Heike, Horn Marcus A..*

Paper number 428274, CC BY-NC-SA, DOI 10.5281/zenodo.7216012.

12h-12h57, Ostrom's room. Session 15.3_O.

Chaired by Zara Botterell, Exeter

Start 13:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.3_O speakers.](#)

Speaker: Ochs Matthias

[MALDI mass spectrometry imaging workflows for the ecotoxicological model organisms *Daphnia magna*, *Danio rerio* and *Eisenia fetida*](#) - *Ochs Matthias, Schirmer Elisabeth, Ritschar Sven, Laforsch Christian, Schuster Stefan, Roempp Andreas.*

Paper number 428240, CC BY-NC-SA, DOI 10.5281/zenodo.7216039.

17h-18h, Margulis's room. Session 15.6_Ma
Chaired by Nora Meides & Teresa Menzel, Bayreuth
Start 18:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.6 Ma speakers.](#)

18h30-19h27, Ostrom's room. Session 15.7_O.
Chaired by Gerasimos Gkoutselis, Bayreuth
Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.7 O speakers.](#)

18h30-19h27, Meadows's room. Session 15.7_Me
Chaired by Julia Möller, Bayreuth
Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.7 Me speakers.](#)

Speaker: Agarwal Seema

[New fast compostable polymer without leaving any traces of microplastic](#) - Agarwal Seema, Sehl Elmar, Ghosh Dipannita.

Paper number 428007, CC BY-NC-SA, DOI 10.5281/zenodo.7216068.

18h30-19h27, Margulis's room. Session 15.7_Ma
Chaired by Nora Meides & Teresa Menzel, Bayreuth
Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.7 Ma speakers.](#)

18h30-19h27, Gaia's room. Session 15.7_G
Chaired by Jakob Oster, Bayreuth
Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 15.7 G speakers.](#)

WEDNESDAY - 16.November 2022

9h-10h, Margulis's room. Session 16.1_Ma
Chaired by Eva Cseperke Vizolyi, Bayreuth
Start 10:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.1 Ma speakers.](#)

Speaker: Rolf Markus

[A multi-method analysis of microplastic abundance in Rhine floodplains as a function of their local topography and flood frequencies](#) - Rolf Markus, Laermanns Hannes, Horn Julia, Kienzler Lukas, Pohl Christian, Dierkes Georg, Kernchen Sarmite, Möller Julia, Laforsch Christian, Löder Martin G. J., Bogner Christina.
Paper number 426811, CC BY-NC-SA, DOI 10.5281/zenodo.7216961.

Speaker: Rohrbach Stephan

[Plastic debris impairs archaeal abundance in sub-saharan soil](#) - Rohrbach Stephan, Gkoutselis Gerasimos, Hink Linda, Weig Alfons, Rambold Gerhard, Horn Marcus A..
Paper number 427491, CC BY-NC-SA, DOI 10.5281/zenodo.7216102.

Speaker: Wieland Simon

[The \$\zeta\$ -potential of nominally identical microplastics determines their interactions with cells](#) - Wieland Simon, Gross Wolfgang, Ramsperger Anja F. R. M., Witzmann Thomas, Lehmann Moritz, Auernhammer Günter K., Fery Andreas, Gekle Stephan, Laforsch Christian, Kress Holger.
Paper number 427782, CC BY-NC-SA, DOI 10.5281/zenodo.7216085.

Speaker: Ramsperger Anja Frm

[How surface properties of pristine and environmentally exposed microplastics determine particle-cell-interactions](#) - Ramsperger Anja Frm, Laforsch Christian, Kress Holger.
Paper number 428259, CC BY-NC-SA, DOI 10.5281/zenodo.7216014.

9h-10h, Gaia's room. Session 16.1_G
Chaired by Montse Compa, Majorca
Start 10:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.1 G speakers.](#)

Speaker: Schwarzer Michael

[Shape, size, and polymer dependent effects of microplastics on *Daphnia magna*](#) - Michael Schwarzer, Julian Brehm, Martina Vollmer, Julia Jasinski, Chengzhang Xu, Shakir Zainuddin, Thomas Fröhlich, Matthias Schott, Andreas Greiner, Thomas Scheibel, Christian Laforsch.
Paper number 428208, CC BY-NC-SA, DOI 10.5281/zenodo.7304256.

10h30-11h30, Margulis's room. Session 16.2_Ma
Chaired by Gerasimos Gkoutselis, Bayreuth
Start 11:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.2 Ma speakers.](#)

Speaker: Mondellini Simona

[Beyond microplastics: Water soluble synthetic polymers exert sublethal adverse effects in the freshwater cladoceran *Daphnia magna*](#) - Mondellini Simona, Schott Matthias, Löder Martin G.j., Agarwal Seema, Greiner Andreas, Laforsch Christian.

Paper number 425611, CC BY-NC-SA, DOI 10.5281/zenodo.7217351.

Speaker: Wohlschläger Maximilian

[Frequency domain fluorescence lifetime imaging microscopy: A new method to directly identify microplastics in water.](#) - Wohlschläger Maximilian, Versen Martin, Löder Martin, Laforsch Christian.

Paper number 428108, CC BY-NC-SA, DOI 10.5281/zenodo.7216066.

Speaker: Mauel Anika

[Influence of additives on long-term weathering of microplastic](#) - Mauel Anika, Meides Nora, Menzel Teresa, Ruckdäschel Holger, Strohriegl Peter, Senker Jürgen.

Paper number 428163, CC BY-NC-SA, DOI 10.5281/zenodo.7216043.

12h-12h57, Ostrom's room. Session 16.3_O.

Chaired by Bruno Tassin, Marne la Vallée

Start 13:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.3_O speakers.](#)

Speaker: Völkl Matthias

[Unravelling the knot: Microplastic properties and their correlation with the cellular response](#) - Völkl Matthias, Jasinski Julia, Jérôme Valérie, Weig Alfons, Scheibel Thomas, Freitag Ruth.

Paper number 427172, CC BY-NC-SA, DOI 10.5281/zenodo.7216482.

12h-12h57, Meadows's room. Session 16.3_Me

Chaired by Mine Tekman, Bremerhaven

Start 13:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.3_Me speakers.](#)

Speaker: Ahmadi Pouyan

[Microplastic particles in lakes: CFD study of the variables affecting their spatiotemporal distributions](#) - Ahmadi Pouyan, Dichgans Franz, Jagau Lisa, Schmidt Christian, Gilfedder Benjamin S., Fleckenstein Jan H..

Paper number 426006, CC BY-NC-SA, DOI 10.5281/zenodo.7217271.

14h-15h, Ostrom's room. Session 16.4_O.

Chaired by Holger Kress, Bayreuth

Start 15:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 16.4_O speakers.](#)

18h30-19h27, Ostrom's room. Session 16.7_O.

Chaired by Quino Miguelez, Lanzarote

Start 19:30 Bayreuth Time

[Here is the pad to **ADD YOUR QUESTIONS** to the Session 16.7_O speakers.](#)

Speaker: Oster S.d. Jakob

[Development of new microplastic reference particles of different polymer types, shapes and sizes in pre-defined numbers](#) - Oster S.d. Jakob, Bräumer Paul, Hausinger Eva, Rösch Max, Möller Eva, Metko Helena, Martirosjan Heghnar, Schott Matthias, Laforsch Christian, Löder Martin G.j..

Paper number 428264, CC BY-NC-SA, DOI 10.5281/zenodo.7216028.

18h30-19h27, Gaia's room. Session 16.7_G

Chaired by **Melanie Pöhlmann, Bayreuth**

Start 19:30 Bayreuth Time

[Here is the pad to **ADD YOUR QUESTIONS** to the Session 16.7_G speakers.](#)

Thursday – 17th November 2022

10h30-11h30, Margulis's room. Session 17.2_Ma

Chaired by **Melanie Pöhlmann, Bayreuth**

Start 11:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 17.2_Ma speakers.](#)

- **Speaker: Schmidtmann Johanna**
[Heteroaggregation of PS microplastic with ferrihydrite leads to rapid removal of microplastic particles from the water column](#) - Schmidtmann Johanna, Elagami Hassan, Gilfedder Benjamin S., Fleckenstein Jan H., Papastavrou Georg, Mansfeld Ulrich, Peiffer Stefan.
Paper number 426559, CC BY-NC-SA, DOI 10.5281/zenodo.7217167.
- **Speaker: Elagami Hassan**
[Experimental investigation of microplastic residence times in lake systems during thermal stratification and lake turnover](#) - Elagami Hassan, Frei Sven, Boos Jan-Pascal, Trommer Gabriele, Gilfedder Benjamin-Silas.
Paper number 427439, CC BY-NC-SA, DOI 10.5281/zenodo.7216116.
- **Speaker: Dichgans Franz**
[Integrated modeling of microplastics in the hyporheic zone](#) - Dichgans Franz, Boos Jan-Pascal, Ahmadi Pouyan, Frei Sven, Fleckenstein Jan H..
Paper number 428127, CC BY-NC-SA, DOI 10.5281/zenodo.7216052.
- **Speaker: Ritschar Sven**
[Using Tissue clearing for the analysis of ingested microplastic particles](#) - Ritschar Sven, Hüftlein Frederic, Schell Lisa-Marie, Brehm Julian, Laforsch Christian.
Paper number 428214, CC BY-NC-SA, DOI 10.5281/zenodo.7216045.
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12h-12h57, Margulis's room. Session 17.3_Ma

Chaired by **Heike Feldhaar, Bayreuth**

Start 13:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 17.3_Ma speakers.](#)

12h-12h57, Gaia's room. Session 17.3_G

Chaired by Daniela Thomas, Braunschweig

Start 13:00 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 17.3_G speakers.](#)

Speaker: Jakobs Aileen

[A novel approach to extract, purify, and fractionate microplastics from environmental matrices by isopycnic ultracentrifugation](#) - Jakobs Aileen, Gürkal Elif, Möller Julia, Löder Martin, Laforsch Christian, Lüders Tillmann.

Paper number 427367, CC BY-NC-SA, DOI 10.5281/zenodo.7216211.

18h30-19h27, Ostrom's room. Session 17.7_O.

Chaired by Eva Cseperke Vizsolyi, Bayreuth

Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 17.7_O speakers.](#)

18h30-19h27, Gaia's room. Session 17.7_G

Chaired by Stephan Rohrbach, Hannover

Start 19:30 Bayreuth Time

[Here is the pad to ADD YOUR QUESTIONS to the Session 17.7_G speakers.](#)