



Deutsche Gesellschaft für Parasitologie

Updated Announcement

Shift of conference to July 2022 due to COVID situation!

**22nd Drug Design & Development Seminar (DDDS) 2022 of the
German Society for Parasitology (DGP)
“TransAlp Conference on
Human and Animal Parasitic Diseases“**

Date: July 12th – 15th, 2022

**Venue: Deutsches Museum – Flugwerft Schleißheim
Effnerstraße 18
85764 Oberschleißheim / Munich, Germany**

We plan an in-person event as the best option for scientific exchange and interaction. We will carefully monitor the pandemic situation. In case health concerns or restrictions hinder us to conduct a live event safely, registration fees will be reimbursed.

Organizers: University of Bern, DNDi & LMU Munich

On the occasion of the **22nd DDDS** conference you are cordially invited to participate and to present your research in **an oral presentation (15 minutes) or as poster**. An abstract is requested for both talks and posters (**abstract guidelines below**). The scientific board will select the topics for oral presentations or posters depending on the abstracts. Renowned international keynote speakers will provide a high-quality scientific framework. The seminar will be opened with a welcome reception on Tuesday evening and conclude Friday at noon.

Deadline for registration is April 4th, 2022

Deadline for abstract submission is April 26th, 2022

Keynote Speakers

Douglas Carithers (Vice President of the AHWS, Immediate Past President of the AAVP, and Senior Associate Director of Applied Research and Publications, Boehringer Ingelheim Animal Health, Duluth GA, USA)



Poppy Lamberton
(University of Glasgow, UK)



Domenico Otranto
(University of Bari, Italy)

Jeremy Mottram
(University of York, UK)



Lucienne Tritten (Institute of Parasitology,
University of Zurich, Switzerland)

Grzegorz Popowicz
(Helmholtz Zentrum, München, Germany)



...plus two more keynote speakers to be announced in due time!

Venue:

[Deutsches Museum – Flugwerft Schleißheim](https://www.deutsches-museum.de/museum/ueber-uns/vermietung/flugwerft-schleissheim)

<https://www.deutsches-museum.de/museum/ueber-uns/vermietung/flugwerft-schleissheim>

Effnerstraße 18

85764 Oberschleißheim / Munich, Germany

Scientific Board

Prof. Dr. Andrew Hemphill
University of Bern, Switzerland

Prof. Dr. Julien Furrer
University of Bern, Switzerland

Dr. Sabine Specht
DNDi, Geneva, Switzerland

Prof. Dr. Paul M. Selzer
Boehringer Ingelheim Animal Health
Ingelheim am Rhein, Germany

Prof. Dr. Markus Meissner
Ludwig-Maximilians University
Munich, Germany

Prof. Dr. Michael Boshart
Ludwig-Maximilians University
Munich, Germany

Dr. Sandra Noack
Boehringer Ingelheim Animal Health
Ingelheim am Rhein, Germany

Organizer:

University of Bern (U^b)

Drugs for Neglected Disease initiative (DNDi)

Ludwig-Maximilians University München (LMU)

About the Drug Design & Development Seminar (DDDS)

The Drug Design & Development Seminar (DDDS) was founded in 1999 as an active working group of the German Society for Parasitology, by Prof. Dr. Peter Köhler (Univ. of Zürich, CH), Prof. Dr. Rolf Walter (BNI, Hamburg, DE), and Prof. Dr. Heiner Schirmer (Univ. of Heidelberg, DE). Since 2004 Prof. Dr. Paul M. Selzer (Boehringer Ingelheim Animal Health, Ingelheim, DE) is the coordinator of the DDDS transferring the meeting into an international well recognized scientific forum. Exchange of scientific information about anti-parasitic chemotherapy between universities, industry, and other research organizations continues to be important to accelerate anti-parasitic drug development. The DDDS is open to all scientists and professionals interested in the field of anti-parasitic research. The DDDS aims at connecting human and veterinary health by complementary approaches in medical and veterinary parasitology and medicinal chemistry to aim and stimulate One-Health approaches to combat parasitic diseases. The main topics include but are not limited to:

- Target identification, characterization, and validation
- Identification of compounds
- Synthesis and optimization of lead compounds towards marketable drugs
- Testing active compounds in animal models

Registration & fees:

The registration fee of 100 € for students (incl. PhD students), 170 € for postdocs, and 250 € for all others includes the abstract booklet, refreshments & lunches during the whole meeting, a conference dinner, and a welcome snack as well as a drink during the welcome reception on Tuesday evening (from 5:00 p.m. on), July 12th, 2022.

Details for abstract submission are specified below. **Awards will be given for the best poster presentations!**

Please check the COVID regulations in Germany at the time of the conference. We expect that vaccination or recovery status needs to be proven.

Electronic registration and payments via the following link:

[DDDS 2022 web page](https://www.congresscenter.philosophie.uni-muenchen.de/kongresse/ddds/registration/index.html)

Full link for DDDS 2022 web page:

<https://www.congresscenter.philosophie.uni-muenchen.de/kongresse/ddds/registration/index.html>

Recommended Hotels:

We have reserved contingents for you at special rates in various hotels. Please book your room under the respective keyword directly at the hotel on your own account. Please note the individual cut-off dates of the contingents!

Hotel Blauer Karpfen
Dachauer Straße 1, 85764 Oberschleißheim
Tel.: +49 89 3157150
info@Hotel-Blauer-Karpfen.de
www.Hotel-Blauer-Karpfen.de

Rooms from 99-119 € including breakfast & parking
Keyword: "DDDS Kongress"– request reservation form
blocked until April 24th, 2022

Hotel am Schlosspark Zum Kurfürst
Kapellenweg 5, 85764 Oberschleißheim
Tel.: +49 89 315790
rezeption@kurfuerst-hotel.de
www.kurfuerst-hotel.de

Rooms from 105-140 € including breakfast
Keyword: "LMU"– request reservation form
blocked until May 20th, 2022

Brauerei Gasthaus Lohhof
Südliche Ingolstädterstr. 4,
85716 Unterschleißheim-Lohhof
Tel.: +49 89 31867345
info@brauereigasthauslohhof.de
www.brauereigasthauslohhof.de

Rooms from 89-120 € including breakfast
Keyword: "DDDS Kongress"
blocked until April 1st, 2022
public transportation to venue

Victor's Residenz-Hotel München
Keplerstraße 14, 85716 Unterschleißheim
Tel.: +49 89 3210309
info.muenchen@victors.de
www.victors.de

97.50 € per room, breakfast extra (12.50 €)
Keyword: "DDDS Kongress"
blocked until June 14th, 2022
own car or taxi shuttle required!

Abstract guidelines:

To facilitate preparation of the abstract book, please provide the abstract as follows:

- Title, authors, affiliations, E-mail address of corresponding author, abstract text, selected literature citations
- .docx format, Arial font size 11 points, 1.5-fold line spacing
- Maximum: 1 page (A4 size)
- Maximum: 220 words
- References, if appropriate/needed
- Text format example below

In case these guidelines are disregarded, the Scientific Committee reserves the right to return inadequate abstracts to the sender for correction. Keep deadlines in mind, as the selection of topics for presentation will be based on correct abstracts only!

Please send your abstract by email to DDDS2022@bio.lmu.de

Deadline for abstract submission is April 26th, 2022!

Abstract example:

Development and *in vivo* efficacy of biocompatible drug-loaded microspheres against *C. parvum*

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Human cryptosporidiosis is one of the most commonly diagnosed protozoan-associated intestinal diseases worldwide. It is one of the main causes of diarrhoe in immunocompromised hosts [1]. There is no completely efficient treatment. Based on previous work [2], an alternative therapy against *Cryptosporidium parvum* using bioadhesive Paromomycin and Diloxanide Furoate (DF)-loaded microspheres was developed. Microspheres (MS) were prepared using chitosan (CHI) and poly(vinyl alcohol) (PVA) and two types of cyclodextrins (β -CD and DM- β -CD) for potential use. Microparticle formulations were characterized in terms of size, surface charge, drug release and morphology. *In vivo* bioadhesion properties of CHI/PVA microspheres were also evaluated. In addition, the *in vivo* efficacy of CHI/PVA microspheres against *C. parvum* was tested in neonatal mouse model of cryptosporidiosis.

Microspheres prepared by spray-drying showed spherical shape, diameters between 6.67 ± 0.11 and 18.78 ± 0.07 μm and positively surface charge. The bioadhesion studies demonstrated that MS remained attached at +16h (post-infection) to the intestinal cells. The efficacy of treatment determined in mice receiving orally administered microspheres with and without drug showed significantly lower parasite loads compared with the control.

Our results suggest that microspheres are safe and simple systems for anticryptosporidial treatment. This work demonstrated the high potential of using bioadhesive chitosan/PVA microspheres for antiparasitic drug delivery by oral route in the treatment or prevention of *C. parvum* infections.

[1] Bouzid, M. et al., 2013. Clin Microbiol Rev. 26, 115–34.

[2] Luzardo-Álvarez, A. et. 2012. Eur. J. Pharm. Sci. 47, 215-227.