

Circular

**9th Workshop on Substrate-Mediated Polymorphism
in Organic Thin Films (SMP9)**



25th - 27th of September 2017

University of Graz, Schubertstraße 1, Austria

<http://www.if.tugraz.at/smp/>



Anton Paar



**NAWI
Graz**



**TU
Graz**



Scope:

Organic molecules show a strong tendency towards polymorphism, as they are typically weakly bound by isotropic Van der Waals forces and electrostatic interactions. In organic thin films, crystalline polymorphs may form which only exist in the vicinity of the substrate and are, therefore, denoted as (metastable) substrate-mediated polymorphs (SMPs). These types of polymorphs are important for conjugated organic molecules which are employed as organic semiconductors in novel opto-electronic devices and where the crystal structure within thin films is crucial for the device performance. Also for pharmaceutical molecules, exploiting substrate-mediated polymorphism is an emerging field of research, in the search for new medical formulations with enhanced properties compared with bulk polymorphs.

The workshop will cover the following topics:

- Self-assembly of molecules at surfaces
- Nucleation of molecular crystals at surfaces
- Organic thin film processing
- Thin film polymorphs of conjugated molecules
- Thin film polymorphs of active pharmaceutical ingredients
- Crystal structure solution from thin films
- Theoretical crystal structure prediction

Organising Committee:

A. Daniel Boese, Institute of Chemistry, University of Graz

Oliver T. Hofmann, Institute of Solid State Physics, Graz University of Technology

Andrew O. F. Jones, Institute of Solid State Physics, Graz University of Technology

Roland Resel, Institute of Solid State Physics, Graz University of Technology

Oliver Werzer, Institute of Pharmaceutical Sciences, University of Graz

International Advisory Committee:

Gabin Gbabode, University Rouen

Yves Geerts, University Libre Brussels

Raffaele Della Valle, University Bologna

Ingo Salzmann, Humboldt University Berlin

Scientific Program:

The aim of workshop is to share recent progress in the experiments and theory of surface-mediated polymorphs via presentations contributed by the participants on their own work in the field. Invited talks of international experts will be accompanied by contributed talks. Additionally, a Poster session will be organized. On this basis, synergies between the participating partners will be identified in order to collaborate in future studies. In close cooperation between physicists, chemists and pharmacologists, relevant materials systems will be identified for future projects.

9 Invited Talks (40 min. & 20 min discussion)

preliminary list:

Roman Forker, University of Jena

Ulrich Griesser, University Innsbruck

Lynn Loo, University Princeton

Ben Ocko, Brookhaven National Laboratory

Allan S. Myerson, Massachusetts Institute of Technology, Boston

Isaac Sugden, Imperial College London

Alexandre Tkatchenko, Université du Luxembourg

Milica Todorovic, Aalto University, Helsinki

Michael Ward, New York University

10 contributed talks (20 min. & 10 min discussion)

The contributed talks will be selected from the submitted abstracts.

Poster session: To stimulate discussion between the participants, a poster session will be organized. The posters will be displayed during the whole period of the workshop, a special time slot is also scheduled on Tuesday 26th of September from 12:30 – 14:30 for poster presentation and discussion.

Program schedule:

MONDAY 25 September 2017		TUESDAY 26 September 2017		WEDNESDAY 27 September 2017	
		9:00 - 10:00	INVITED TALK	9:00 - 10:00	INVITED TALK
		10:00 - 10:30	contributed talk	10:00 - 10:30	contributed talk
		10:30 - 11:00	contributed talk	10:30 - 11:00	contributed talk
			coffee break		coffee break
		11:30 - 12:30	INVITED TALK	11:30 - 12:30	INVITED TALK
		12:30 - 13:00	POSTER	12:30 - 13:00	contributed talk
		13:00	lunch		CONCLUSION
12:45 - 13:00	WELCOME	13:00 - 14:30	POSTER		
13:00 - 14:00	INVITED TALK	14:30 - 15:30	INVITED TALK	15:30 - 16:30	EXCURSION
15:00 - 16:00	INVITED TALK	15:30 - 16:00	contributed talk		
16:30 - 17:00	contributed talk	16:30 - 17:00	contributed talk		
	coffee break		coffee break		
17:30 - 18:30	INVITED TALK	17:30 - 18:30	INVITED TALK		
18:30 - 19:00	contributed talk	18:30 - 19:00	contributed talk		
		20:00	dinner		

Deadlines:

Abstract submission:	June 15 th , 2017
Registration:	June 15 th , 2017
Abstract confirmation:	July 1 st , 2017
Payment:	July 15 th , 2017
Final program:	August 15 th , 2017

Abstract submission:

Please submit an abstract to the workshop. All suitable abstracts will have the possibility for scientific presentation (poster or contributed talk). A template for abstract preparation is available for MSWord. The abstract should have a length of one page.

Please send your abstract as a file (WORD or PDF) to the conference secretary Michaela Kogler
mi.kogler@uni-graz.at.

Deadline for abstract submission is June 15th.

Registration:

All attendees of the workshop, including the invited speakers, are kindly asked to register. Please fill in the registration form via the homepage of the workshop. You will be sent a confirmation of your registration together with an invoice.

Registration fees:

120 € for full registration and 90 € for student registration.

The registration fee includes simple catering during the coffee breaks, lunch on Tuesday 26th September (a small buffet of sandwiches) and the dinner on Tuesday 26th September. The dinner will be held at the restaurant Meerscheinschlössl, Mozartgasse 3, 8010 Graz.

Payment:

After your registration you will get an invoice, deadline for payment is July 15th.

Bank details:

workshop SMP9

AEP164604003 (important to give this number at the bank transfer)

IBAN: AT32 1200 0500 9550 0605

bank account 0500 9550 0605

bank ID (or BIC): BKAUATWW

UniCredit Bank Austria AG, Herrengasse 15, 8010 Graz, Austria

Contact address:

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University of Graz, Heinrichstraße 28/IV, 8010 Graz

e-mail mi.kogler@uni-graz.at

<http://www.if.tugraz.at/smp/>

Conference site:

University of Graz,
Schubertstraße 1, Austria
<http://www.if.tugraz.at/smp/map>

Excursion:

We will visit the monument of Friedrich Mohs as well as the historical mineral collection of the district Styria. An entrance fee of 9 € has to be covered by each participant.
Meeting point: Joanneumsquater, Entrance Raubergasse 10

Recommended hotels:

Mercure Graz, Lendplatz 36- 37, 8020 Graz, phone: +43 316 751405
<http://www.mercure.com/de/hotel-5742-hotel-mercure-graz-city/index.shtml>
Ibis budget, Neubaugasse 1, Lendplatz, 8020 Graz, phone: +43 316 764400
<http://www.ibis.com/de/hotel-5107-ibis-budget-graz-city/index.shtml>

Travel:

The airport of Graz is quite close to the city center. A taxi from the airport to the city center would cost less than 30 €. For public transport you can take bus or train. <http://www.verbundlinie.at/en/>
Suitable bus stops are given in the map below.

