

## Registration

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Title, name, surname  
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Institution/company  
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Street  
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ZIP-code/city  
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Country  
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Telephone  
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E-Mail  
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Date/signature  
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- Submission of abstract
  - Oral presentation
  - Poster presentation
  
- Exhibitor

## Organizing & Program Committee

Dr. Ralf Herzog (Dresden, IIR President A)  
Prof. Noboru Motomura (Tokio, IIR President C1)  
Dr. Gabriele Spörl (Dresden, IIR member C1)  
Dr. Jürgen Klier (Dresden)  
DI Holger Reinsch (Dresden)  
DI Johannes Heidingsfelder (Dresden)

## Contact address

Secretary of the workshop  
Dr. Gabriele Spörl  
Telefon: +49 (0)351 4081-604  
[CryoWorkshop2016@ilkdresden.de](mailto:CryoWorkshop2016@ilkdresden.de)

Institut für Luft- und Kältetechnik  
Gemeinnützige Gesellschaft mbH  
Bertolt-Brecht-Allee 20, 01309 Dresden, Germany

For more details please look at the  
homepage of the workshop:  
[www.ilkdresden.de/IIR-cryobio-workshop](http://www.ilkdresden.de/IIR-cryobio-workshop)

## Conference venue

**Dorint Hotel, Grunaer Straße 14,**  
01069 Dresden, [www.dorint.com/dresden](http://www.dorint.com/dresden)

## Accommodation

**Dorint Hotel**  
for the special discount please book only via  
phone: +49 351 4915-774, fax :+49 351 4915-100  
E-mail: [Anke.Boehmer@dorint.com](mailto:Anke.Boehmer@dorint.com)  
Please use the key word „**CryoBio2016**“

## General arrival

<http://www.dorint.com/en/location-directions-hotel-dresden>

**Arrival by train** (special offer at Dorint)  
<http://www.dorint-tagung.com/gut-zu-wissen/db-veranstaltungsticket/>



*IIR Commissions A1 and C1*

First Announcement

## Cold Applications In Life Sciences

8<sup>th</sup> and 9<sup>th</sup> September 2016  
Dresden, Germany



[www.cryolifesciences.de](http://www.cryolifesciences.de)

ILK Dresden



## Objectives

Ladies and Gentlemen,

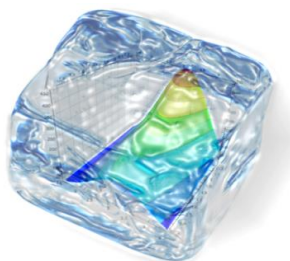
The enormous progress in cold application in life sciences correlates with new solutions for producing, storing and handling of bio-products along the production chain up to the end-user. As well as new approaches for safety storage of biological material in laboratories and cryobanks. Therefore freezing and cryoprocessing are getting more and more important as an essential production step in life sciences.

Investigations are carried out to find novel approaches of the low temperature physics and cryogenics in the field of the life sciences. The understanding of the freezing behaviour and the cold-induced biophysical effects are a key issue in R&D. Another challenge is to find out how the effects of low temperatures can be used in industry for product improvements.

The 2<sup>nd</sup> IIR Workshop provides an interdisciplinary scientific platform for a dialog and exchange of experiences between R&D-institutes and industry.

The Center of Cryo Competence in Life Sciences as initiator and organizer of this workshop would like to invite you to come to Dresden, Germany and join our workshop.

Ralf Herzog  
ILK Dresden,  
President of IIR Section A



## Topics

### *Cell / Tissue Cryopreservation and Storage Challenges*

- ❖ Advanced devices for cryopreservation and freeze-drying
- ❖ Cryobanking of biologicals
- ❖ 3D-scaffolds / tissue engineering for medical and diagnostic applications
- ❖ Strategies with alternative cryoprotectants for tissues cryopreservation
- ❖ Industrial solutions in biomaterial processing

### *Freezing and Storage of Active Agents for in-vitro and in-vivo Applications*

- ❖ Damage processes on active agents caused by cold application
- ❖ Process limitations and impact factors on product stability
- ❖ Process validation – Analytics, monitoring and Simulation of process and product loss
- ❖ Vitrification of cellular products without cryoprotectants
- ❖ Industrial freezing solutions: Large scale and multi-product plant

## The workshop organizing and program committee welcomes your abstracts.

Templates for the abstracts and the full paper version are available at the download area.

## Deadlines

15.01.2016	First announcement
31.03.2016	Submission of abstracts
15.04.2016	Abstract acceptance notification
15.06.2016	Full text submission
20.06.2016	Second announcement
30.06.2016	Early bird registration & accommodation
15.07.2016	Full papers review
15.08.2016	Final papers (corrected after reviews)
25.08.2016	Last information/ registration

## Fees

<i>Participants from</i>	<i>before 30<sup>th</sup> June 2016</i>	<i>till 08<sup>th</sup> Sept. 2016</i>
<i>University/ institute</i>	80 €	100 €
<i>Industry</i>	180 €	220 €
<i>Students</i>	40 €	50 €

The fee includes all documents, coffee breaks, lunches, dinner and refreshments during the workshop at the conference site.

### *Cancellation:*

till 8 <sup>th</sup> June 2016	free of charge
till 8 <sup>th</sup> July 2016	50% of the fee
from 8 <sup>th</sup> August 2016	no refund

Exhibitors and sponsors are welcome. For more information please see [www.ilkdresden.de/IIR-cryobio-workshop](http://www.ilkdresden.de/IIR-cryobio-workshop)