

Ludwig Boltzmann Institute  
Cancer Research

## “From Translational Models to Targeted Therapy”

LBI-CR ANNUAL MEETING

November 8 – 11, 2015

Marking one Decade of Cancer Research at the LBI-CR



**Seggau Castle - Styria**



## Table of Contents

Welcome	2
Programme Overview	3
Scientific Programme	4
Additional Information	6

We acknowledge financial support by:





## Annual Meeting 2015

### Dear friends and colleagues,

An entire decade of exciting research at the LBI-CR has passed since we started a new cancer research institute in Vienna in September 2005. We generated significant research output as measured by publications, attraction of third party money, and seeing former members successfully embarking on international careers. I am delighted to report that our researchers have achieved sufficient maturity to compete for the most competitive funding programs and attracted recently substantial funds from **Horizon2020**, including an ERC Starting grant for Dr. Florian Grebien.



To mark this special time, we hold the **LBI-CR 2015 Annual meeting** at Seggau Castle in Styria with our experts from the Scientific Advisory and Partner Board as well as with external speakers. This venue represents an inspiring place in an area known for volcanic activity and a rich cultural soil. We have seen successful years in the past and we are aware that future outstanding results rely today increasingly on international collaboration, expert advice and valuable criticism. This support culminated in the successful integration into the faculty of our medical partner universities in Vienna in 2014/2015. We are convinced that the 2015 meeting will expand our basic and translational cancer research network.

I would like to take this opportunity to thank our gold sponsor **Novartis** and our sponsors **Janssen-Cilag Pharma** and **Boehringer Ingelheim**. Their generous contributions have enabled us to assemble an exciting scientific programme with international experts. Therefore, we like to cordially invite you to Seggau Castle to present your most relevant innovative research to an interested audience. As a topic we chose "From Translational Models to Targeted Therapy" to see in which direction our cancer research projects are heading and to discuss where we could move to. We thank all of you for your support in the past and we are looking forward to welcoming you in Styria.

Prof. Richard Moriggl  
Director of the LBI-CR, Medical University Vienna and Veterinary University Vienna

## Programme overview

Enjoy science in a beautiful location with an inspiring atmosphere. The LBI-CR celebrates a decade of successful cancer research with support from our partners. Below you will find an outline of the scientific programme for a three-day meeting. All members of the LBI-CR and our scientific advisors as well as representatives from our partners have confirmed their participation. In addition, we invite international experts to complement the programme. Part of the meeting will also serve as interim evaluation by external experts, who will join the meeting on Tuesday.

### Sunday, 8.11.2015:

- 14:45 Registration and Coffee
- 15:00 **LBI-CR students meet SAB**
- 16:00 **Begin of meeting: Welcome by Richard Moriggl**
  - **Novartis lecture** by Nancy Hynes
  - 17:00 Coffee
- 17:30 **Scientific session 1** (á 20 min talks of 5 speakers)
  - 20:00 Dinner

### Monday, 9.11.2015:

- 8:30 **Scientific session 2** (á 20 min talks of 4 speakers)
  - 10:30 Coffee
- 11:00 **Scientific session 3** (á 20 min talks of 3 speakers)
  - 13:00 Group picture
  - 13:15 Lunch // **Board meeting for Partners of LBI-CR**
  - 14:15 Cultural Programme: Visit Zotter chocolate factory
  - 20:00 Dinner

### Tuesday, 10.11.2015:

- 8:30 **Scientific session 4** (á 20 min talks of 5 LBI-CR key researchers)
  - 11:00 Coffee
- 11:30 **Scientific session 5** (á 20 min talks of 3 speakers)
  - 13:00 Lunch
- 14:30 **Scientific session 6** (á 20 min talks of 4 speakers)
  - 16:30 Coffee
- 17:00 **Scientific session 7** (á 20 min talks of 4 speakers)
  - 19:30 Dinner

### Wednesday, 11.11.2015:

- 8:30 **Evaluation sessions** (for key researchers/SAB only)

### Departure



## Scientific Programme

**Sunday, 8.11.2015**

**16:00 Novartis lecture**

Chair: Prof. R. **Moriggl**, LBI-CR

- 1. Prof. Nancy Hynes, Friedrich Miescher Institute for Biomedical Research:**  
*Insights into Mechanisms of Breast Cancer Metastasis*

**17:00 Coffee break**

**17:30 Scientific session 1**

Chair: Prof. O. **Doblhoff-Dier**, VetMed

- 2. Prof. Fritz Aberger, University Salzburg:**  
*Tackling hedgehog signaling in cancer - New challenges and strategies*
- 3. Prof. Thomas Decker, University Vienna:**  
*Stat signaling in infection and inflammatory disease*
- 4. Prof. Michael Freissmuth, Medical University Vienna:**  
*Repurposing drugs for bone marrow transplantation*
- 5. Prof. Thomas Rüllicke, University of Veterinary Medicine Vienna:**  
*MESA, PESA and other novel methods of assisted reproduction in mice*
- 6. Kay-Uwe Wagner, Eppler Institute for Research in Cancer and Allied Diseases:** *The role of individual Jak/Stat signaling pathways in mammary gland development and neoplasia*

**20:00 Dinner**

**Monday, 9.11.2015**

**8:30 Scientific session 2**

Chair: Dr. Rupert **Ecker**, TissueGnostics

- 7. Added Dimension: Prof. Bernd Groner, Goethe University Frankfurt:**  
*Increasing the range of drug targets: interacting peptides provide leads for the development of oncoprotein inhibitors*
- 8. Prof. Patrick Gunning, University of Toronto:**  
*Direct-binding inhibitors of STAT3 and STAT5 for treating cancer*
- 9. Prof. A. Tom Look, Dana-Farber Cancer Institute:**  
*Oncogene regulation by super-enhancer formation*
- 10. Prof. Meinrad Busslinger, Research Institute for Molecular Pathology:**  
*Transcriptional control of B cell development*

**10:30 Coffee break**

**11:00 Scientific session 3**

Chair: Dr. F. **Grebien**, LBI-CR

- 11. Prof. Radek Skoda, University Hospital of Basel:**  
*Stem cell dynamics and disease initiation in myeloproliferative neoplasms*
- 12. Prof. Gustavo Leone, Comprehensive Cancer Center, The Ohio State University:**  
*Tumor suppressor and oncogenic functions of E2Fs in hepatocellular carcinoma*
- 13. Dr. Johannes Zuber, Research Institute for Molecular Pathology:**  
*Finding and probing chromatin-associated targets in leukemia*

**After session: group photograph in courtyard (weather permitting)**

**13:15 Lunch**

**14:15 Cultural programme: Visit Zotter chocolate factory**

**20:00 Dinner**

## Scientific Programme ctd

Tuesday, 10.11.2015	
<b>8:30 Scientific session 4</b>	Chair: Member of the Evaluation Board
<b>14. Dr. Dagmar Stoiber-Sakaguchi, LBI-CR:</b> <i>Cooperativity of ETV6/RUNX1 and BCL2 enhances B cell malignancy in transgenic mice</i>	<b>LBI-CR Evaluation</b>
<b>15. Prof. Emilio Casanova, LBI-CR:</b> <i>Disruption of STAT3 signaling promotes KRAS induced lung tumorigenesis</i>	
<b>16. Dr. Florian Grebien, LBI-CR:</b> <i>Functional studies of leukemia oncoproteins using integrated approaches</i>	
<b>17. Prof. Lukas Kenner, LBI-CR:</b> <i>IL-6/Stat3 signaling for prostate cancer progression in mice and men</i>	
<b>18. Prof. Richard Moriggl, LBI-CR:</b> <i>Translational JAK-STAT phenotypes with implications for solid or hematopoietic cancer development</i>	
<b>11:00 Coffee break</b>	
<b>11:30 Scientific session 5</b>	Chair: Prof. Veronika Sexl, VetMed
<b>19. Prof. Veronika Sexl, University of Veterinary Medicine Vienna:</b> <i>News and views from CDK6: a kinase going transcriptional</i>	
<b>20. Prof. Mathias Müller, University of Veterinary Medicine Vienna:</b> <i>Canonical and non-canonical Janus kinase Tyk2 in inflammation and cancer</i>	
<b>21. Prof. Peter Valent, Medical University Vienna:</b> <i>Targeting the vascular stem cell niche with multi-targeted TKIs: A double-edged sword</i>	
<b>13:00 Lunch</b>	
<b>14:30 Scientific session 6</b>	Chair: Prof. Veronika Sexl, VetMed
<b>22. Dr. Helmut Dolznig, Medical University Vienna:</b> <i>Modeling colon cancer in vitro: signaling, tumor stroma interaction and drug response in organotypic 3D cultures</i>	
<b>23. Dr. Birgit Strobl, University of Veterinary Medicine Vienna:</b> <i>Stat1 isoform-specific functions</i>	
<b>24. Dr. Olaf Merkel, Medical University Vienna:</b> <i>The Role of miRNA155 in T cell lymphoma</i>	
<b>25. Prof. Johannes Haybäck, Medical University Graz:</b> <i>Translation initiation machinery in cancer</i>	
<b>16:30 Coffee break</b>	
<b>17:00 Scientific session 7</b>	Chair: Dr. S. Grünert, LBI-CR
<b>26. Jan-Wilhelm Kornfeld, Max Planck Institute for Metabolism Research:</b> <i>"Cutting (the) edge" - Control of glucose metabolism by noncoding RNAs</i>	
<b>27. Dr. Martin Distel, St. Anna Children's Cancer Research Institute:</b> <i>Tools for modeling paediatric cancer in zebrafish</i>	
<b>28. Prof. Gerald Höfler, Medical University Graz:</b> <i>The role of metabolic lipases in cancer development and progression</i>	
<b>29. Prof. Manuela Baccarini, University Vienna:</b> <i>New insight in Raf signaling</i>	
<b>19:30 Dinner</b>	



## Additional Information

### How to get there



#### By Coach

LBI-CR staff will travel on Sunday November 8<sup>th</sup> by coach from Vienna to Seggau and back on Wednesday morning November 11<sup>th</sup>. If you are interested to use this opportunity courtesy of the organizers, please let us know (contact and further details from: [sabine.kommenovic@lbicr.lbg.ac.at](mailto:sabine.kommenovic@lbicr.lbg.ac.at))

#### By Car

##### **From Vienna:**

Seggau Castle is overlooking Leibnitz in Styria. To reach Seggau take the A2 direction Graz and change onto the A9. Leave the motorway at exit Leibnitz and follow the B73/B74 for 3 km direction Leibnitz. Turn left direction Seggauberg and follow the signs to Seggauberg/Schloss Seggau.

#### By Plane

The Graz Airport is less than 30 min drive away from Seggau Castle. You will be picked up and transferred directly. Please let us know the details of your flight for us to arrange the transfer. (**contact [sabine.kommenovic@lbicr.lbg.ac.at](mailto:sabine.kommenovic@lbicr.lbg.ac.at)**)

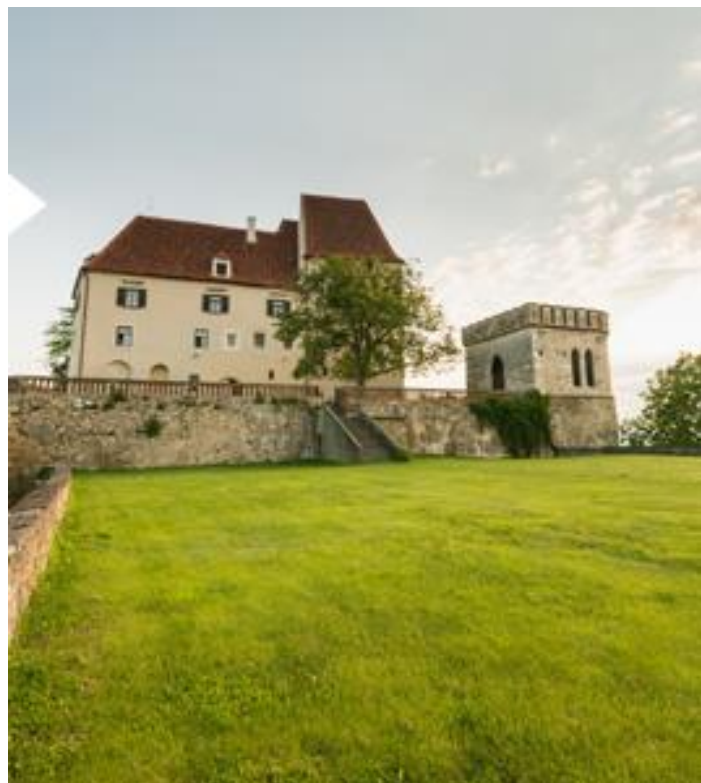
## About Seggau Castle



Seggau Castle, surrounded by its own meadows and woodland, rests on top of the Frauenberg and looks upon Leibnitz and the flood plains of the rivers Sulm and Mur. The grounds include a 300 years old Episcopal wine-cellar, which sells the castles very own wines. Today the castle remains loyal to its commitment towards education and understanding serving as a convention centre open to the general public. As a place of contrasts Schloss Seggau bridges modern architecture with a mediaeval setting providing the necessary ambience for lively discourses and discussions.

Schloss Seggau has a long and proud history. With arched hallways, the Bell Meadow and a baroque chapel the castle brings history to life. In the 12th century the Archbishop of Salzburg laid the foundations on the site of the current high castle. Since 1219 the Bishopric of Seckau has continued to expand its grounds and structures. Schloss Seggau was the seat of the Styrian Bishopric until 1786 and carried on to serve as summer residence of its Bishops until the mid-20th Century.

The 1950's saw Schloss Seggau develop into a catholic educational retreat. The stables and farms that lined the castle walls were transformed into seminars and guestrooms. The second phase of redevelopment was completed in 2002 and transformed Schloss Seggau into a modern institution with a modern convention centre.







## About Zotter Chocolate Factory



**Bean-to-bar – from the bean to the chocolate:** Since the opening of the Chocolate Factory Josef Zotter has ranked among the few quality chocolate makers around the world whose chocolate production processes are located under the same roof: From the roasting of the cocoa beans via the rolling up to the finishing touches in the conching plant everything is carried out with a high degree of sensitivity. In this way Zotter clearly positions himself against standardized mass production and the concentration of the chocolate market. In his Chocolate Factory there is no run-of-the-mill processing.

The entire manufacturing process becomes transparent and tangible for visitors in the Chocolate Theatre.

Zotter even was invited to the renowned Harvard University and his company is the only Austrian company included as part of the students' curriculum as a case study.



## Partners:

Our partner institutions have provided crucial support from the very beginning of the LBI-CR and we are grateful for their continued financial support, access to infrastructure and numerous fruitful scientific interactions.



## Funders:

Our partner funders have provided the necessary financial means to develop and maintain a competitive research programme at the LBI-CR. Foremost the substantial and long term commitment by the LBG has been instrumental to develop an international recognised research institution.



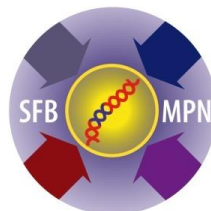
SFB F28



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One Decade of Research at the LBI-CR  
"From Translational Models to Targeted Therapy"

## Financial Support

We are grateful to our sponsors for financial support towards the scientific programme of this meeting. Without this support the extensive scientific programme would have been difficult to assemble.

Gold Sponsor:



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