Infection, Immunity & Complement
Joint Doctoral Retreat
28.01.18 - 01.02.18
HOROS Innsbruck & intern. universities
Sunday 28 JANUARY

Approx. 15:00  Bus transfer from Innsbruck Clinics
               South entrance & AIRPORT
               (exact times will follow)

17:00          Arrival at Obergurgl

18:30-20:30    D I N N E R

20:30-21:30    Opening - Introduction to retreat, CORVOS
               Reinhard Würzner
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 08:30-09:00  | Population structure and transmission of *M. tuberculosis* complex strains  
                   *Stefan Niemann, Borstel, DE*                                          |
| 09:00-09:30  | The Mannan-Binding Lectin complement pathway and its role in opportunistic  
                   infections  
                   *Peter Garred, Copenhagen, DK*                                         |
| 09:30-10:00  | Complement, inflammation and atherosclerosis  
                   *Seppo Meri, Helsinki, FI*                                              |
| 10:00-10:30  | COFFEE BREAK                                                            |
| 10:30-11:00  | The C5a/C5aR1 axis controls infections with intracellular pathogens  
                   *Jörg Köhl, Lübeck, DE*                                               |
| 11:00-11:30  | Novel complement inhibitors, advantages & disadvantages  
                   *Tom Eirik Mollnes, Oslo, NO*                                         |
<p>| 11:45-16:30  | LUNCH (on your own) &amp; BREAK                                             |</p>
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<tr>
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<tr>
<td>16:30-16:45</td>
<td>COFFEE BREAK</td>
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<td>16:45-17:05</td>
<td>Interaction of EHEC Shiga toxin 2a with components of complement pathways</td>
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<td>Sneha Chatterjee (Würzner group)</td>
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<td>17:05-17:25</td>
<td><em>Candida albicans</em> factor H binding molecule Hgt1p – a molecule also executing non-canonical functions</td>
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<td>Samyr Kenno (Würzner group)</td>
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<td>17:30-18:00</td>
<td>A COMPLEMENT-ary view on HIV-1</td>
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<td>Doris Wilflingseder</td>
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<td>18:00-20:00</td>
<td>D I N N E R</td>
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<td>20:00-21:00</td>
<td>Short oral presentations on the PhD thesis topics (15 mins + 5 mins)</td>
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<td>Siderophore mediated diagnosis of invasive aspergillosis</td>
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<td>Thomas Orasch</td>
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<td>Aspergillus fumigatus growth depends on non-transferrin-bound iron</td>
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<td>Verena Petzer</td>
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<td>Quantification of the antifungal Caspofungin in human plasma by HPLC with tandem mass spectrometry detection</td>
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<td>Tiziana Gasperetti</td>
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**IN PARALELL**

CORVOS Topics & Partners I
(Niemann, Garred, Köhl, Meri, Mollnes, Wilflingseder, Würzner)
Short oral presentations on the PhD thesis topics (15 mins + 5 mins)

How GM-CSF improves diphtheria-vaccination in mice
   Marco Grasse

Inflammation-mediated interplay of the coagulation system and the endothelium
   Anna Brandtner

The role of dopamine during sepsis
   Stefanie Dichtl

A novel model for complement studies and interventions in kidney ischemia/reperfusion injury
   Camilla Schjalm, Oslo, NO

IN PARALELL

CORVOS Topics & Partners II
   (Garred, Köhl, Meri, Mollnes, Wilflingseder, Würzner, Niemann)

COFFEE BREAK

Complement in complicated pregnancy
   Inkeri Lokki, Helsinki, FI

Complement inhibitory SALSA – step by step
   Martin Reichhardt, Oxford, UK
11:15-11:45 YOUNG ISHAM & YOUNG COMPLEMENT

11:15-11:30 Young ISHAM
   Michaela Lackner

11:30-11:45 Young complement
   Martin Reichhardt, Oxford, UK

11:45-12:15 IIT – Faculty meeting with student repres.

12:15-12:45 HOROS - Faculty meeting with stud. repres.

12:45-15:00 LUNCH (on your own) & BREAK

15:00-16:45 AFTERNOON VACCINATION SYMPOSIUM @ Nederhütte

17:15-18:00 Short oral presentations on the PhD thesis topics (15 mins + 5 mins)
   Human bone marrow adipocytes display distinct immune regulatory properties
   Carina Miggitsch

   A phenotypical and functional characterisation of immune cells in the human bone marrow, and effects of ageing, senescence and CMV
   Erin Naismith

IN PARALELL CORVOS - Involvement of Industry I

18:00-20:00 DINNER
20:00-21:30 Short oral presentations on the PhD thesis topics (15 mins + 5 mins)

Targeted genome editing by the CRISPR/Cas9 system to silence complement regulators
_Louise Justesen, Copenhagen, DK_

Design, expression, and function of chimeric bispecific complement inhibitors containing MAP-1 and functional domains of C4bp
_Rafael Bayarri-Olmos, Copenhagen, DK_

Gut-vascular barrier in alcoholic liver disease
_Christoph Grander_

Which one to choose? - Multi-omics based identification of predictive biomarkers of response to antibody based therapy in IBD
_Simon Reider_

IN PARALELL    CORVOS - Involvement of Industry II
**WEDNESDAY 31 JANUARY**

08:30-09:00  Conclusions from the CORVOS discussions  
*Würzner*

09:00-09:30  Microdialysis - *in vivo* monitoring of metabolism and inflammation in I/R-injury, transplant rejection and infection  
*Ebbe Thorgersen, Oslo, NO*

09:30-10:00  Dual inhibition of lectin and alternative complement pathways efficiently protects from myocardial ischemic reperfusion related injuries  
*Mikkel-Ole Skjoedt, Copenhagen, DK*

10:00-10:30  COFFEE BREAK

10:30-11:50  Short oral presentations on the PhD thesis topics

  C1q/TNF-related protein 6 has novel functions in innate immunity  
  *Nikolaj Kirketerp-Møller, Copenhagen, DK*

  HCV in Tyrol - an epidemiological modelling study  
  *Benedikt Schäfer*

  Development of an HIV vaccine based on a VSV-GP vector  
  *Anika Bresk*

  Using flow cytometry to evaluate the effect of magnetic treatment of tap water  
  *Bernhard Pollner*

11:50-14:00  BREAK
14:00-17:00  LUNCH SYMPOSIUM ON FUTURE OF HOROS & CORVOS @ Nederhütte

18:00-20:00  D I N N E R

THURSDAY 1 FEBRUARY

08:30-09:00  Conclusions of the retreat
Reinhard Würzner

09:30-11:30  Bus transfer to Innsbruck
Address of Venue:

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