

5.8.2019

**HUST-Tongji / Fudan / Sun Yatsen – Essen**

**Summer Academy 2019**

**"Infection and Immunity"**

**12 – 23 August, 2019**

**at the University Hospital Essen**

**Lecture Hall: Robert-Koch-Haus, room 0.38, Virchowstr. 179**



5.8.2019

**HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2019 "Infection and Immunity" at University Hospital Essen: Week I**

	Mon. 12.8.	Tue. 13.8.	Wed. 14.8.	Thu. 15.8.	Fri. 16.8.	Sat. 17.8.	Sun. 18.8.	
9:00-10:30	Opening / M. Lu University Hospital campus tour <b>Mengji Lu</b>	<b>Lecture</b> Significance of Tregs in viral infections <b>Ulf Dittmer</b>	<b>Lecture</b> How Cytomegalovirus fool innate immunity <b>Mirko Trilling und Khanh Le-Trilling</b>	<b>Lecture</b> <b>IMCES Day</b> <b>Start: 9:00</b>  <b>Imaging Center Essen</b> <a href="https://imces.uk-essen.de/">https://imces.uk-essen.de/</a> <b>Lectures by</b> <b>Daniel Engel</b> <b>Mike Hasenberg</b> <b>Anthony Squire</b> <b>Matthias Gunzer</b>	<b>Lecture</b> Genetic Vaccines <b>Wibke Bayer</b>  Gene Therapy of Hematopoietic Stem Cells <b>Hannes Klump</b>	<p>Morning: Gasometer Oberhausen. Departure time t.b.a.            Afternoon: optional leisure programme: climbing at "Tree-to-tree" Oberhausen  <a href="http://www.tree2tree.de/de/hochseilgarten/hochseilgarten-oberhausen.html">http://www.tree2tree.de/de/hochseilgarten/hochseilgarten-oberhausen.html</a>            Alternatively you may visit CENTRO Oberhausen</p> <p>Full day: Traditional German hiking tour: from the University Hospital to Lake Baldeney and along the Ruhr Valley, ... Guided Tour at "Villa Hügel" 12.15h            Departure time: t.b.a.</p>		
10:30-11:00	Break							
11:00-12:30	<b>Lecture</b> Molecular biology of HBV <b>Mengji Lu</b>	<b>Lecture</b> Effector mechanisms of virus specific T cells <b>Gennadiy Zelinskyy</b>  The subsets of CD4+ T cells and the mechanisms <b>Anna Malyshkina</b>	<b>Lecture</b> CMV and BKV infection in renal transplantation <b>Benjamin Wilde</b>	<b>Lecture</b>  <b>IMCES Day</b>  until 12:00h	<b>Lecture</b> Multicolor Flow Cytometry: Basics, Considerations & Panel Design <b>Kirsten Dietze/ Biolegend</b>			
12:30-14:00	Lunch Break							
14:00-15:30	<b>Lab visit</b> Mengji Lu 14:00-15:00 Introduction Medical Faculty / University Hospital Essen <b>Ulf Dittmer</b> 15:15-15:45	<b>Clinical + lab visits</b> <b>14:00 Gastro</b> Olympia Anastasiou  <b>14:00 Translational Oncology, Tumor Center</b> Jens Siveke	<b>Clinical + lab visits</b> <b>14:00</b> <b>Infectious Diseases</b> <b>Dept. + Nephrology</b> Prof. Wilde	<b>IMCES Day</b> <b>afternoon:</b> <b>13:00-17:00</b>	<b>Lab visit</b>  Dietze/Schimmer			
15:30-16:00	Break							
16:00-17:30	German Culture 从社会生活点滴看德国文化 <b>Prof. Liang LIU</b> Confucius Institute Metropolis Ruhr	<b>Clinical + lab visits</b> t.b.a.  Self study, talk preparation	<b>Clinical + lab visits</b> t.b.a.  Self study, talk preparation	<b>IMCES Day</b>	RKH 16:15 Guided tour: "Folkwang Museum", Open end in Rüttenscheid			

5.8.2019

**HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2019 "Infection and Immunity" at University Hospital Essen: Week II**

	Mon. 19.8.	Tue. 20.8.	Wed. 21.8.	Thu. 22.8.	Fri. 23.8.	Sat. 24.8.	Sun. 25.8.
9:00-10:30	<p><b>Lecture</b> Syntheses of functionalized calcium phosphate nanoparticles and their biological application <b>Viktoriya Sokolova</b></p> <p>Nanomaterials for vaccine delivery <b>Torben Knuschke</b></p>	<p><b>Lecture</b> Tumor Immunology and Immunotherapy <b>Sven Brandau</b></p> <p>Human B cell lymphomas <b>René Scholtysik</b></p>	<p><b>Lecture</b> The role of the innate immune system in the pathogenesis of chronic viral hepatitis <b>Ruth Bröring</b></p> <p>Application of proteomics tools for detection of infection associated proteins <b>Barabara Sitek</b></p>	<p><b>Clinical visits:</b> 8:00-9:15: <b>trauma surgery</b> <b>Marcel Dudda</b></p> <p>other departments t.b.a.</p> <p><b>Lecture</b> (Start: 9:45) Molecular Biology of Influenza viruses <b>Melanie Fiedler</b></p>	<p><b>Lecture</b> Hepatitis B and C and liver transplantation – challenges for the transplant hepatologist <b>K. Herzer</b></p> <p>Vaccination of immunocompromised patients <b>Frank Mosel</b></p>		
10:30-11:00	Break						
11:00-12:30	<p><b>Lecture</b> Molecular Biology of HIV <b>Marek Widera</b></p> <p>Interferon subtypes <b>Kathrin Sutter</b></p>	<p><b>Lecture</b> Does cure of a persistent viral infection leads to restoration of immunity? The hepatitis C story <b>Heiner Wedemeyer</b></p>	<p><b>Lecture</b> Treatment of virus infections – monoclonal antibodies <b>Ady Krawczyk</b></p> <p>Antiviral T cell responses <b>Monika Lindemann</b></p>	<p><b>Lecture</b> Nosocomial Hepatitis C Virus Infections <b>Stefan Roß</b></p> <p><b>until 11:45</b></p>	<p><b>Lecture</b> Young academics and diversity management at the Medical Faculty <b>Sigrid Elsenbruch</b></p> <p>12:00 Summary and Farewell with <b>Vice-Dean S. Elsenbruch</b></p>		
12:30-14:00	Lunch Break						
14:00-15:30	<p><b>Clinical + lab visits</b> <b>14:00 Gynecology Research</b> Sabine Kasimir-Bauer</p> <p>Self study, talk preparation</p>	<p><b>Lecture</b> Principles of Hepatitis E virus replication, resistance, and chronic persistence <b>Steinmann /Todt</b></p>	<p>Students' presentations</p>	<p>Meeting point: RKH at 13:30 Excursion with guided tour: "Zeche Zollverein" World Cultural Heritage(15:00)</p>	<p>Leisure programme (optional, t.b.a.)</p>		
15:30-16:00	Clinical + lab visit or break						
16:00-17:30	<p>Students' presentations</p>	<p><b>Clinical + lab visits</b> <b>15:45 Neurosurgery</b> Zhu / Wrede</p> <p>Self study, talk preparation</p>	<p>Students' presentations</p>	<p>After excursion: <b>Barbecue party at Robert-Koch-Haus</b> <b>18:30</b></p>			