

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

**Summer Academy 2017**

**"Infection and Immunity"**

**July 17-28<sup>th</sup>, 2017**

**at University Hospital Essen**

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



**HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2017 "Infection and Immunity" at University Hospital Essen: Week I**

	Mon. 17.07.	Tue. 18.07.	Wed. 19.07.	Thu. 20.07.	Fri. 21.07.	Sat. 22.07.	Sun. 23.07.	
9:00-10:30	Opening / M. Lu	<b>Lecture</b> Significance of Tregs in viral infections <b>U. Dittmer</b>	<b>Lecture</b> <b>IMCES Day</b> <b>Start: 9:00h</b> Imaging Center Essen <a href="https://imces.uk-essen.de/">https://imces.uk-essen.de/</a> Lectures by <b>Daniel Engel</b> <b>Mike Hasenberg</b> <b>Anthony Squire</b> <b>Matthias Gunzer</b>	<b>Lecture</b> The role of the innate immune system in the pathogenesis of chronic viral hepatitis <b>R. Bröring</b>  Genetic variations in host factors required for HCV infection <b>S. Ciesek</b>	<b>Lecture</b> Genetic Vaccines <b>W. Bayer</b>  Tumor Immunology and Immunotherapy <b>S. Brandau</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 Villa Hügel and along the Ruhr Valley, ...            Departure time: t.b.a.</p>		
10:30-11:00	Break							
11:00-12:30	<b>Lecture</b> Molecular biology of HBV <b>M. Lu</b>	<b>Lecture</b> Effector mechanisms of virus specific T cells <b>G. Zelinsky</b>  How Cytomegalovirus fool innate immunity <b>M. Trilling und K. Le-Trilling</b>	<b>Lecture</b> <b>IMCES Day</b>  <b>until 12:00h</b>	<b>Lecture</b> Natural killer cells – friend or foe? <b>E. Littwitz-Salomon</b>	<b>Lecture</b> Multicolor Flow Cytometry: Basics, Considerations & Panel Design  <b>K. Dietze/ Biolegend</b>			
12:30-14:00	Lunch Break							
14:00-15:30	Lab visits	Lab visits Dittmer/Zelinsky	<b>IMCES Day afternoon: 13:00-17:00h</b>	Lab visit <b>H.Streeck</b> <a href="http://hiv-forschung.de/">http://hiv-forschung.de/</a>	Lab visits Dietze/Schimmer			
15:30-16:00	Break							
16:00-17:30	Lab visits Lu	Trilling/Le-Trilling interactive question and discussion forum	<b>IMCES Day</b>	<b>Lecture</b> Guest lecture <b>Tom Hope</b> Host: Hendrik Streeck room 0.38, RKH	RKH 16:15 Guided tour: "Folkwang Museum", Open end in Rüttscheid			

**HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2017 "Infection and Immunity" at University Hospital Essen: Week II**

	<b>Mon. 24.07.</b>	<b>Tue. 25.07.</b>	<b>Wed. 26.07.</b>	<b>Thu. 27.07.</b>	<b>Fri. 28.07.</b>	<b>Sat. 29.07.</b>	<b>Sun. 30.07.</b>
<b>9:00-10:30</b>	<b>Lecture</b> Type 1 Interferons in viral infections <b>K. Sutter</b>	<b>Lecture</b> Medical Mycology <b>P. Rath</b>  Emerging problems in clinical microbiology – Bacteriology <b>J. Steinmann</b>	<b>Lecture</b> Adoptive immune transfer <b>M. Lindemann</b>  Application of proteomics tools for detection of infection associated proteins <b>B. Sitek</b>	<b>Lecture</b> Visits clinical departments t.b.a.  (Start: 9:45) Molecular Biology of Influenza viruses <b>M. Fiedler</b>	<b>Lecture</b> Hepatitis B and C and liver transplantation – challenges for the transplant hepatologist <b>K. Herzer</b>  t.b.a. XY		
<b>10:30-11:00</b>	Break						
<b>11:00-12:30</b>	<b>Lecture</b> The Yin and Yang of virus replication and immune activation <b>K. Lang</b>	<b>Lecture</b> Nanomaterials for vaccine delivery <b>A. Westendorf</b>	<b>Lecture</b> Treatment of virus infections – monoclonal antibodies <b>A. Krawczyk</b>  Human memory B cells B cell lymphomas <b>Küppers/Scholtysik</b>	<b>Lecture</b> Determination of T cell epitopes <b>D. Hoffmann</b>	<b>Lecture</b> Young academics and diversity management at the Medical Faculty <b>Prof. S. Elsenbruch</b> <b>Vice-Dean</b>		
					Summary and Farewell with <b>Dean Prof. J. Buer</b>		
<b>12:30-14:00</b>	Lunch Break						
<b>14:00-15:30</b>	Lab visits Lang Sutter	Lab visits Knuschke Bröring/Ciesek	Students' presentations	Meeting point: RKH at 13:30  Excursion with guided tour: "Zeche Zollverein" World Cultural Heritage(15:00) After excursion: Barbecue party at Robert-Koch-Haus 18:30	Leisure programme (optional, t.b.a.)		
<b>15:30-16:00</b>	Break						
<b>16:00-17:30</b>	Students' presentations	CMV and BKV infection in renal transplantation <b>O. Witzke</b>	Students' presentations				