

HUST-Tongji / Fudan / Sun Yatsen – Essen

Summer Academy 2026

"Infection and Immunity"

27 July - 7 August, 2026

at the University Hospital Essen

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



Programme

update 24 July, 2026

HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2026 "Infection and Immunity" at University Hospital Essen: Week I

	Mon. 27.7.	Tue. 28.7.	Wed. 29.7.	Thu. 30.7.	Fri. 31.7.	Sat. 1.8.	Sun. 2.8.
9:00-10:30	Opening and Introduction Medical Faculty / University Hospital Essen Mengji Lu	Lecture 2 Hepatic innate immunity - friend or foe in viral infections Ruth Bröring	Lecture 4 Light sheet microscopy t.b.a. Anika Grüneboom (Leibniz Institut, ISAS Dortmund)	Lecture 6 How cytomegaloviruses fool the immune system — and how we can apply this knowledge towards the development of drugs and vaccines Mirko Trilling und Khanh Le-Trilling	Lecture 8 9:00h-9:45h Molecular Biology of Influenza viruses Melanie Fiedler Lecture 9 Interplay between Hypoxia and Viral Infections Anna Malyshkina	Morning: Gasometer Oberhausen. Departure time t.b.a. Afternoon: optional leisure programme: climbing at “ Tree-to-tree” Oberhausen http://www.tree2tree.de/de/hochseilgarten/hochseilgarten-oberhausen.html Alternatives: shopping center CENTRO Oberhausen; spend the evening at Düsseldorf Altstadt	Full day: Visit “ Haus der Geschichte” Bonn, https://www.hdg.de/en/ followed by a hiking tour to Drachenfels/Königswinter https://www.siebengebirge.com/index.php/wandern?view=article&id=165:der-wanderklassiker-tour-5&catid=11
10:30-11:00	Break						
11:00-12:30	Lecture 1 Immune control and pathogenesis of hepatitis B virus infection Mengji Lu	Lecture 3 Determinants of Hepatitis E Virus replication fitness Maximilian Nocke (workgroup Daniel Todt, Mol. and Med. Virology Bochum)	Lecture 5 Tumor Immunology and Immunotherapy Sven Brandau	Lecture 7 Antiviral Stewardship in herpesvirus infections Sebastian Voigt	Lecture 10 The Yin and Yang of virus replication and immune activation Karl Lang		
12:30-14:00	Lunch Break						
14:00-15:30	University Hospital campus tour	Clinical + lab visits 14:00 Dept. of Gastroenterology Jan Best all	Clinical + lab visits 13:30 Dept Gynecological oncology Paul Buderath Self study, talk preparation	Clinical + lab visits Self study, talk preparation	Clinical + lab visits 14:00h Tumor research, Oncology Halime Kalkavan Self study, talk preparation		
	Lab visit 14:00-15:00 Virology Mengji Lu						
15:30-16:00	Break						
16:00-17:30	Self study, talk preparation	Clinical + lab visits Self study, talk preparation	Clinical + lab visits Self study, talk preparation	RKH 16:15 Guided tour: “Folkwang Museum” Open end in Rüttenscheid	Optional: visit Villa Hügel and Hügel Park, Lake Baldeney		

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HUST-Tongji / Fudan / Sun Yatsen - Essen Summer Academy 2026 "Infection and Immunity" at University Hospital Essen: Week II

	Mon. 3.8.	Tue. 4.8.	Wed. 5.8.	Thu. 6.8.	Fri. 7.8.	Sat. 8.8.	Sun. 9.8.
9:00-10:30	Lecture 11 HIV t.b.a. Roland Schwarzer	Lecture 13 Interferon subtypes Kathrin Sutter	Lecture 15 The interplay between tumor-specific and virus-specific cytotoxic CD4 T cells in tumor control Annette Paschen	Clinical visits: 8:00-9:45 trauma surgery Prof. Dudda, Dr. Rademacher Lecture 17 (see afternoon) Self study, talk preparation	Lecture 19 Genetic Vaccines Wibke Bayer Lecture 20 10:00h-10:45h Vaccination of immunocompromised patients Frank Mosel	Departure, private travel	
10:30-11:00	Break						
11:00-12:30	Lecture 12 Sex-specific differences in immunity and infection Hannah Schwarzer-Sperber	Lecture 14 Natural killer cells – friend or foe? Elisabeth Littwitz-Salomon	Lecture 16 11:00h-11:45h Adoptive immune transfer Monika Lindemann 11:45h-12:30h Self study, lecture preparation for 6./7.8.	Lecture 18 Regulatory T cells in viral infections Ulf Dittmer	Lecture 21 Young academics at the faculty and international research cooperation in challenging times Ulf Dittmer		
12:30-14:00	Lunch Break				Short break		
14:00-15:30	Students' presentations	Students' presentations	Meeting point: RKH at 13:30h Excursion with guided tour: "Zeche Zollverein" World Cultural Heritage(15:15h)	Lecture 17 AI-Powered Image Analysis for Biomedical Microscopy ZHOU Yu ISAS Dortmund, workgroup Prof. CHEN Jinxu	Summary and Farewell 14.00h end of the academy		
15:30-16:00	break						
16:00-17:30	Students' presentations	Students' presentations	Optional: several dinner locations at the Zollverein site	Optional: spare time activities t.b.a.			