

## The interplay of inflammation and thrombosis – from new mechanisms to innovative therapeutic approaches in infection and vascular diseases

Day 1 – 16.03.2023

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14:00 – 14:30 Introduction  
Stark/Nicolai

14:30 – 16:30 Immunothrombosis as host defence mechanism (20+10 min)  
Chairs: Hellen Ishikawa-Ankerhold & Christian Weber

**Matteo Iannacone**  
*The role of platelets in antiviral host defense*

**Carlos Ardavin**  
*Fibrin-driven peritoneal immune aggregates during infection and tumor metastasis*

**Florian Gaertner**  
*Immunosurveillance of platelet production*

**Leo Nicolai**  
*Immune-responsive platelets maintain vascular integrity in inflammation*

16:30 – 17:00 Break

17:00 – 18:30 DZHK session: Thrombosis in COVID-19 and vaccine-induced immune thrombotic thrombocytopenia (20 +10 min)  
Chairs: Steffen Tiedt & Konstantin Stark

**Andreas Greinacher**  
*The Chemokine PF4 (CXCL4) triggers immunothrombosis by translating charge into structure*

**Steffen Massberg**  
*Mechanism and consequence of dysregulated thromboinflammation in COVID-19*

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19:00 Dinner

Day 2– 17.03.2023

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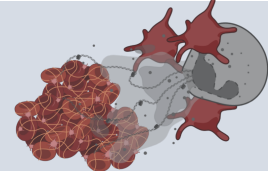
09:00 – 11:00 DZHK session: Molecular mechanisms of thromboinflammation (20 +10 min)  
Chairs: Steffen Massberg & Philipp von Hundelshausen

**Bernd Nieswandt**  
*Platelets locally release allbb3/CD9-rich membrane patches to promote thrombo-inflammation*

**Steve Watson**  
*New and innovative ways to study ITAM receptors*

**Tobias Petzold**  
*Neutrophil plucking on megakaryocytes drives cardiovascular diseases*

**Chloé James**  
*Does immunothrombosis play a role in myeloproliferative neoplasm – associated thrombosis*



11:00 – 11:15 Break

11:15 – 12:15 Spotlight young scientists (10+5 min)

Chairs: Leo Nicolai & Manuela Thienel

**Valeria Fumagalli**

**Kami Pekayvaz**

*Immunothrombolytic monocyte-neutrophil axes dominate the single-cell landscape of human thrombosis*

**Rich Buka**

*New insights into the mechanism of platelet activation by VITT sera*

**Rainer Kaiser**

*Immunothrombotic signatures of resident and circulating immune cells in human infective endocarditis*

12:15 – 13:15 Lunch

13:15- 14:45 DZHK session: Multi-omics studies on the interplay of thrombosis and inflammation (20 +10 min)

Chairs: Charo Robles & Joachim Pircher

**Stefanie Dimmeler**

*The endothelium at the interface to (thrombo-)inflammation*

**Chiara Giannarelli**

**Martin Dichgans**

*Stroke Genetics: Discovery, Biology, and Clinical Implications*

14:45 – 15:00 Break

15:00 – 17:00 DZHK session: Thromboinflammation in cardiovascular diseases (20 +10 min)

Chairs: Julia Mayerle & Christian Schulz

**Thomas Renne**

*The polyphosphate/contact system-axis in thromboinflammation*

**Steve Grover**

*Role of the contact pathway in immunothrombosis*

**Daniel Dürschmied**

*Platelet-neutrophil interactions in acute inflammation*

**Konstantin Stark**

*Antibodies and complement in venous thrombosis*

**Center for Advanced Studies (CAS)**

<https://www.en.cas.uni-muenchen.de/>

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80802 Munich

Directions to CAS using Public  
Transportation (MVV):

Bus: Lines 54 or 154  
Stop: Thiemestraße

Subway (U-Bahn): Lines U3 or U6  
Stop: Giselastraße

