

Novinky v biomedicínském výzkumu/ Biomedical Research News

*Modulation of the inflammatory response as target
in severe infectious diseases*



Prof. Heiko Herwald



1. LÉKAŘSKÁ
FAKULTA
Univerzita Karlova

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Join Zoom Meeting ONLINE: bit.ly/BRN_herwald
Meeting ID: 548 427 7744, Passcode: 267884

Prof. Heiko Herwald is Professor for Medical Microbial Pathogenesis at Lund University, Sweden. He got his PhD at the Johannes Gutenberg University Mainz, Germany in 1994. His research interests are focused on essential medical issues such as blood coagulation and molecular mechanisms of importance for host responses to bacterial infection. In addition to his research activities he is also Editor-in-Chief of Journal of Innate Immunity and in the editorial board of Thrombosis and Haemostasis.

13.45 Registration for students

14.00–15.00 Modulation of the inflammatory response as target in severe infectious diseases

Severe infectious diseases are associated with high morbidity and mortality. It is generally accepted that an imbalanced innate immune system can contribute to a great deal to these conditions. In particular, the induction of dysregulated and excessive inflammatory reactions combined with the occurrence of hemostatic dysfunctions have a great impact on the pathology of the disease progression. In order to elaborate novel concepts to treat these life-threatening conditions, a better understanding of the underlying molecular mechanisms is urgently needed. Evidence is accumulating that anti-inflammatory and anti-thrombotic treatment intervention strategies can improve survival rate seen in these patients. We recently published a study using a murine sepsis model where we demonstrate that the beta isoform of antithrombin fulfills this purpose.

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Přednáškové odpoledne je součástí kurzu „**Novinky v biomedicínském výzkumu**“, který je jedním z doporučených povinně volitelných kurzů pro Ph.D. studenty oboru **Biochemie a patobiochemie** (Oborová rada 04) a **Fyziologie a patofyziologie člověka** (Oborová rada 05). Účastníci na konci kurzu získají zápočet. Kurz je sestaven z přednášek zahraničních a domácích světově uznávaných odborníků zabývajících se molekulovými mechanismy etiologie, patogenese a terapie chorob. Vítání jsou i studenti jiných oborů a zájemci z řad vědeckých pracovníků a lékařů.