



## Life Sciences Seminar

# Understanding the wound inflammatory response

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**Host: Daria Siekhaus**

**a complex interplay of pro-inflammatory attractant signals, developmental priming and cytoprotection**

An effective inflammatory response is pivotal to fight infection, clear debris and orchestrate the repair of injured tissues. However, inflammation must be tightly regulated since many human disease pathologies are a consequence of inappropriate or excessive inflammation. Using a genetically tractable *Drosophila* model, we use spatio-temporal genetic manipulation, in vivo live imaging and computational modeling to dissect the mechanisms that both activate the inflammatory response to tissue damage and those that simultaneously protect the regenerating tissue from inflammation-driven damage. In this way, successful tissue repair not only relies on the hosts ability to mount an effective inflammatory response, but also its ability to finely tune it and limit associated immunopathology.

**Thursday, September 20, 2018 11:00am - 12:00pm**

IST Austria Campus Seminar Room, Lab Building East



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.