



Breve Resumen de la Charla

EXPOSITOR

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TITULO

“Fishing for signals that regulate inflammation”

The hallmark of innate immunity is inflammation, a process triggered in response to tissue damage caused by injury; irritants; or pathogens. Early stages during inflammation are the activation and accumulation of neutrophils at the site of injury. To arrive to the affected area, neutrophils need to leave the hematopoietic tissue and enter the bloodstream. In this work we explore the molecular and cellular mechanisms that regulate this process.

We took advantage of the zebrafish, a teleost fish with invaluable comparative advantage. Key aspect for this work is their optical transparency during embryonic and larval stage and the existence of different transgenic line with specific immune cells labeled. These characteristics allow us to monitor the inflammatory process *in vivo* in a whole organism.



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