

# New treatment strategies by targeting the inflammasome



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## SUMMARY

The project has identified several inhibitors of inflammasome activation in a high-content screen. Inflammasome activation is a hallmark of several monogenic and complex systemic auto-inflammatory diseases for which only few standard therapies exist. In addition, inflammasome activation plays a central role in the pathogenesis of additional diseases such as contact dermatitis. The identified inhibitors are evaluated for their use in the different indications. One compound has the potential to be repurposed.

## PROJECT ACHIEVEMENTS DURING & AFTER SPARK

- Identified several lead candidates
- Extended indication & initiated collaboration
- Preclinical proof of concept in human skin models
- Patent filing planned for 2020
- Started writing Investigator's brochure
- Started partnering with Pharma concerning novel chemical entity

## PREVIOUS SPARK FUNDING

- Track 1 2015
- Track 1 2018