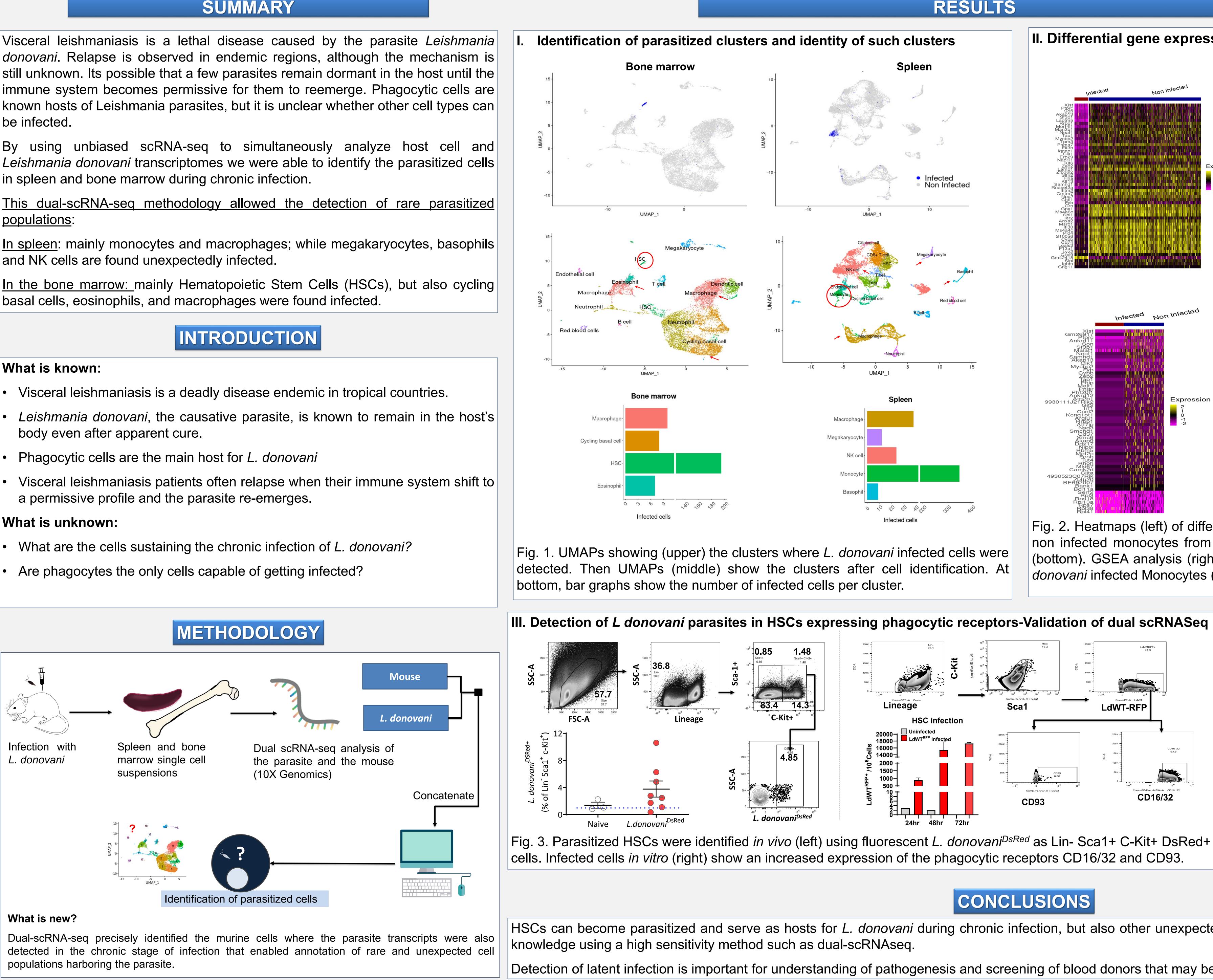
FDA U.S. FOOD & DRUG ADMINISTRATION

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### SUMMARY

- body even after apparent cure.
- a permissive profile and the parasite re-emerges.



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# **Dual scRNA-seq Analysis Reveals Rare and Uncommon** Parasitized Cell Populations In Chronic L. donovani Infection

Detection of latent infection is important for understanding of pathogenesis and screening of blood donors that may be asymptomatic. Our contributions are an informal communication and represent my own best judgement. These comments do not bind or obligate FDA

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Fig. 2. Heatmaps (left) of differentially expressed genes between the infected and non infected monocytes from the spleen (up) and HSCs from the bone marrow (bottom). GSEA analysis (right) showing select signaling networks enriched in L. donovani infected Monocytes (C) and HSCs

Sca1 LdWT-RFP Comp-PE-Dazzle594-A :: CD16 3 Comp-PE-Cv7-A :: CD93 CD16/32 **CD93** 

## CONCLUSIONS

HSCs can become parasitized and serve as hosts for *L. donovani* during chronic infection, but also other unexpected cells, which were only identified without a priori

