Declaration about the participation of Michal Sima on the obtained results in three included papers

1) Vlkova M, **Sima M**, Rohousova I, Kostalova T, Sumova P, Volfova V, Jaske EL, Barbian KD, Gebre-Michael T, Hailu A, Warburg A, Ribeiro JMC, Valenzuela JG, Jochim RC, Volf P. Comparative analysis of salivary gland transcriptomes of *Phlebotomus orientalis* sand flies from endemic and non-endemic foci of visceral leishmaniasis. PLoS Negl Trop Dis. 2014; 8: e2709.

I declare, that Michal Sima annotated the cDNA library of salivary glands from one *P. orientalis* colony, performed the phylogenetic analyses, predicted glycosylation patterns and prepared 9 out of 12 graphical images.

prof. RNDr. Petr Volf, CSc.
corresponding author

2) **Sima M**, Ferencova B, Warburg A, Rohousova I, Volf P. Recombinant salivary proteins of *Phlebotomus orientalis* are suitable antigens to measure exposure of domestic animals to sand fly bites. PLoS Negl Trop Dis. 2016; 10: e0004553.

We declare, that Michal Sima identified antigenic proteins, expressed and purified them in a recombinant form, performed 70% of their testing, was responsible for statistical analyses, wrote the original draft, and prepared all graphical images.

RNDr. Iva Kolářová, Ph.D.
supervisor

prof. RNDr. Petr Volf, CSc.
co-author

3) **Sima M**, Novotny M, Pravda L, Sumova P, Rohousova I, Volf P. The diversity of yellow-related proteins in sand flies (Diptera: Psychodidae). PloS One. 2016b; Accepted.

We declare, that Michal Sima collected all available sequences of sand fly yellow-related proteins from public databases, performed phylogenetic analysis, predicted glycosylation patterns, constructed models of their 3D structure, analyzed the ligand-binding tunnel and pocket, wrote 70 % of the original draft, and prepared all graphical images.

RNDr. Iva Kolářová, Ph.D.
supervisor

Mgr. Marian Novotný, Ph.D.
co-author