



Immunity at the Gate of Entrance; Vaccines against Respiratory Viruses such as Influenza and RSV

Guest Editor:

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Deadline for manuscript
submissions:
closed (31 October 2020)

Message from the Guest Editor

Dear Colleagues,

Most vaccines induce systemic immunity through intramuscular administration. This route of vaccination disregards a very potent part of the immune system—local adaptive immunity. There is a limited amount of locally administered respiratory vaccines available.

Challenges include adjuvation, formulation, and induction of long-lasting immunity. For both RSV and influenza immunity, longevity is a holy grail. Therefore, research that provides insight into local immune parameters that correlate with protection against respiratory viruses or that are shown to be long-lasting is welcomed. Immune induction may be through vaccination, using adjuvants and formulation techniques to steer the immune response or by immune transfer techniques, etc. when this leads to a better understanding of potent vaccine targets.

Combining insights and strategies developed for different respiratory viruses into one Special Issue encourages cross-pollination of the different research fields and would advance the development of locally administered respiratory vaccines on the whole.

Dr. Jorgen De Jonge
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Journal Rank: JCR - Q1 (*Immunology*) / CiteScore - Q1 (*Pharmacology (medical)*)

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