Avian Infectious Bronchitis: Viral Control with MiRNAs Véronique Charreton-Sanford¹, Carl A. Gagnon^{1, 2}

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240

220

200-

180.

160-140-

120-

100-

IBV = Avian

pathogen most

frequently found in diagnostic laboratories in

Ouebec

INTRODUCTION

Challenges for the poultry industry

- Chickens: reduction of meat conversion and mortality
- Hens: false layer syndrom

Problem

• Absence of an effective vaccine against IBV

Hypothesis

• Selection of cellular miRNA with an effect on the viral cycle

Project's objectives

- Selection of miRNAs modulated by infected cells
- Verifications of immune cells' effective functions in order to observe IB\ immunosuppressive action







RENDER

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munology Lab



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Swine and Poultry Infectious **Diseases Research Center**

Agriculture, Pêcheries

Québec 🖬 🖬

* *

et Alimentation



Commercial / Backyard

Commercial / Backyard | Exotic / Wild

Gagnon et al. 2022

Exotic / Wild

Unknown