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Title: Interleukin 4/13 receptors: An overview of genes, expression and functional role in teleost fish

Authors: A. Sequeira, K. Maisey, M. Imarai

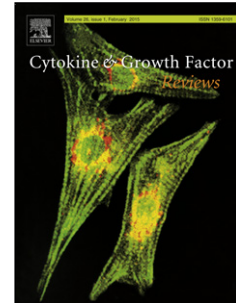
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## INTERLEUKIN 4/13 RECEPTORS: AN OVERVIEW OF GENES, EXPRESSION AND FUNCTIONAL ROLE IN TELEOST FISH.

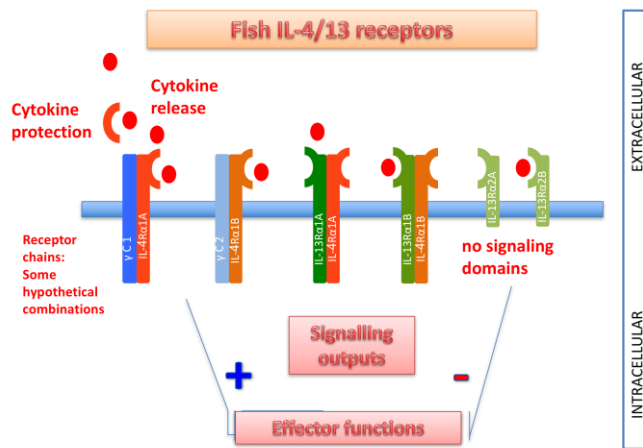
Sequeda, A.<sup>1</sup>, Maisey, K.<sup>1,2</sup>, Imarai, M.<sup>1\*</sup>

<sup>1</sup> Laboratory of Immunology, <sup>2</sup> Laboratory of Comparative Immunology, Center for Aquatic Biotechnology, Department of Biology, Faculty of Chemistry and Biology, University of Santiago of Chile, Av. Bernardo O'Higgins, 3363 Santiago, Chile.

\*Corresponding author: Mónica Imarai

E-mail address: Mónica Imarai: monica.imarai@usach.cl. Tel.: +56-2-27183446

### Graphical abstract



### HIGHLIGHTS

In teleost fish, IL-4/13 is the ancestral family cytokine related to both IL-4 and IL-13

Every private and common receptor subunits for IL-4/13 have at least two paralogues in fish

Novel coding sequences for Atlantic salmon  $\gamma$ C, IL-13R $\alpha$ 1A and IL-13R $\alpha$ 1B are presented

We reviewed knowledge of fish IL-4/13 receptors and discussed implications on teleost immunity

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