REBEKA RITA VÁGÓ

National Academy of Scientist Education, 5th year

University of Debrecen,
Faculty of Medicine, 5th year

YEAR OF BIRTH

2002

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

University of Debrecen

SZENT-GYÖRGYI MENTOR

Zoltán Papp

JUNIOR MENTOR

Beáta Bódi

SPECIALIZATION

Experimental and molecular cardiology research, with a particular focus on investigating the structural, biochemical, and functional characteristics of the cardiac contractile apparatus

SECONDARY SCHOOL

University of Debrecen, Kossuth Lajos Lajos Practical High School

NAME OF TEACHER

Edit Róza Futóné Monori

LANGUAGES

English/B2

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

My research focuses on elucidating the molecular and mechanical processes that govern cardiac muscle cell function under various pathological and physiological conditions. I primarily investigate the signaling pathways, protein modifications, and contractile responses involved in the regulation of sarcomeric structure and function, with the aim of advancing our understanding of the mechanisms underlying adaptive and maladaptive cardiac remodeling. In the long term, my goal is to generate fundamental scientific insights that may contribute to the development of new, targeted cardioprotective therapeutic strategies.

AMBITIONS AND CAREER GOALS

My long-term goal is to acquire an in-depth understanding and extensive research experience in cardiovascular physiology and pathophysiology, providing a solid foundation for a scientifically rigorous medical career that integrates both research and clinical practice. During my university studies, I aim to further develop my laboratory and experimental competencies and advance my research to a level that can serve as a basis for future PhD training. Ultimately, I aspire to contribute to a deeper understanding of the mechanisms underlying cardiac diseases and to translate the knowledge gained through research into improved clinical decision-making and patient care.

HONORS AND PRIZES

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PUBLICATIONS

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