

SIMON VIKÁR



National Academy of Scientist Education, 6th year

Semmelweis University
Faculty of Medicine, 6th year

YEAR OF BIRTH

1998

FORMER SZENT-GYÖRGYI PUPIL

no

RESEARCH UNIT

Semmelweis University

SZENT-GYÖRGYI MENTOR

Attila Mócsai

JUNIOR MENTOR

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SPECIALIZATION

Physiology, immunology,
autoimmune and
inflammatory diseases

SECONDARY SCHOOL

Békásmegyeri Veres Péter
Gimnázium

NAME OF TEACHER

Nicolette Vadrné Győri

LANGUAGES

English/intermediate
German/intermediate

IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

My research encompasses the examination of the pathomechanism of bullous pemphigoid (BP), a rare autoimmune blistering. In this disease, the patients have severe pain and itching due to the developing tight blisters, but currently, for these symptoms, there is no specific therapy available. The investigation of BP pathology was made possible by a fully human ex vivo skin separation model that we previously set up, which replicated BP pathophysiology in our lab. Currently, I am using this model to assess the efficacy of various inhibitors and prospective medicinal treatments that can be further investigated in clinical investigations. With this research, I'm hoping to discover medicines that can effectively cure the severe symptoms of these individuals.

AMBITIONS AND CAREER GOALS

During my career, I want to work on the unanswered problems in rheumatology and immunology, two of the medical specialties that I find most fascinating. I'm hoping to get the chance to study and treat these critical, fascinating diseases from both a clinical and a scientific perspective. I also hope that I will be able to contribute to the body of knowledge about these diseases that is already known to humanity.

HONORS AND PRIZES

2021 - Semmelweis University Students' Scientific Conference
2022 - Semmelweis University Students' Scientific Conference, 1st place

PUBLICATIONS

Szilveszter KP, Vikár S, Horváth IÁ, Helyes Zs, Sárdy M, Mócsai A: Phospholipase Cγ2 Is Essential for Experimental Models of Epidermolysis Bullosa Acquisita