

## SOMA FUISZ



National Academy of Scientist Education, 1<sup>st</sup> year

Semmelweis University  
Faculty of Medicine, 1<sup>st</sup> year

### YEAR OF BIRTH

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2004

### FORMER SZENT-GYÖRGYI PUPIL

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yes

### SZENT-GYÖRGYI MENTOR

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Lajos Kemény

### JUNIOR MENTOR

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### SPECIALIZATION

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oncoimmunology,  
dermatology,  
oncology,  
dermatooncology,  
pigmentation,  
UV radiation

### SECONDARY SCHOOL

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Táncsics Mihály High  
School, Kaposvár

### NAME OF TEACHER

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Dr. Endréné Miklós,  
Beatrix Kertészne Bagi

### LANGUAGES

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English/B2

### IMPORTANCE, AIMS AND POSSIBLE OUTCOME OF RESEARCH

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"Immune-checkpoint blockade" (ICB) represents a significant therapeutic method utilized in cancer treatment. Its principle is based on the observation that tumors often exhibit a kind of "hiding" that allows them to evade recognition by our immune system and the consequent attack. The aim of ICB is precisely to block this hiding, enabling our immune system to more easily recognize and attack the tumor. This enhances the effectiveness of our immune system in fighting against cancerous cells. The method may prove extremely promising in the treatment of cancer, often resulting in significant progress in patients' conditions. Despite recent developments in the field of immunotherapy, resistance to ICB therapies remains a significant challenge. One common resistance mechanism is the loss of antigen presentation; however, alternative, immune system-dependent, antigen presentation-independent mechanisms may persist, revealing new vulnerabilities. Our research aims to discover new, innovative therapeutic strategies to overcome resistance to ICB therapies.

### AMBITIONS AND CAREER GOALS

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In the future, I aspire to expand my knowledge further and acquire as many practical skills as possible, which will prove beneficial to me. Alongside successfully completing my university studies, I aim to dedicate as much time as possible to laboratory work. Throughout my career, it is my objective to live without a clear demarcation between "work" and "personal life," as I find the opportunity for such integration to be one of the most appealing aspects of a research-oriented career path.

### HONORS AND PRIZES

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### PUBLICATIONS

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