

**Department of Dermatology and
Allergology Student Science Study Group
Topic List:**

Supervisor

Title

Prof. Dr. Rolland Gyulai, professor, head of
the department

- Application of artificial intelligence in the diagnosis and treatment decisions to onychomycosis and other nail diseases
- Computational disease models to describe the pathogenesis of psoriasis
- Immunotherapy in melanoma

Prof. Dr. Lajos Kemény Lajos, professor

- Investigation and influence of the inflammatory effect of ultraviolet light

Prof. Dr. Zsuzsanna Bata-Csörgő Zsuzsanna,
professor

- Drug allergy

Dr. Eszter Baltás, associate professor

- Dermatooncology
- Characterization of the different clinical and histological subtypes of melanoma
- New therapies in dermatooncology
- Immunotherapy in the treatment of skin cancer
- Targeted therapy in the treatment of skin cancer
- Factors influencing early detection of the rare types of malignant melanoma

Dr. Zsanett Renáta Csoma, associate
professor

- Neonatal skin disorders
- Acne vulgaris
- Atopic dermatitis in childhood
- New treatments in atopic dermatitis
- Psoriasis in children
- Connections of inflammatory bowel diseases and skin diseases

Dr. Erika Kiss, associate professor

- Plastic surgery and evidence-based medicine
- Electroporation and electrochemotherapy

Dr. István Balázs Németh, associate professor	- Tissue biomarkers in skin tumors
Dr. Győző Szolnoky, associate professor	- The study of lymphatic insufficiency - The impact of inflammatory diseases on cardiovascular function
Dr. Nóra Belső, senior lecturer	- Biological therapies in atopic dermatitis - Evaluation of the efficacy of JAK inhibitors in atopic dermatitis patients - Venom allergy: the role of venom specific IgE and IgG4 in venom immunotherapy
Dr. Máté Manczinger, senior lecturer	- The adaptive immune recognition of cancer - Blind spots in adaptive immune recognition
Dr. Erika Varga, senior lecturer	- Dermatooncology
Dr. Géza Róbert Nagy, assistant lecturer	- Dermatomyositis - Vasculitis - Pyoderma gangrenosum
Dr. Ákos Varga, assistant lecturer	- Oncoplastic breast surgery - Reconstructive surgery of facial soft tissue defects - Plastic surgery on MWL (massive weight loss) patients
Dr. Petra Rózsa, assistant lecturer	- Sexually Transmitted Infections (STIs)
Dr. Kornélia Szabó, research fellow	- Innate immune functions of keratinocytes - Investigating the role of the skin microbiota in the biology of skin cells
Dr. Gergely Groma, research fellow	- Investigation of molecular abnormalities affecting neurogenic inflammatory processes and the peripheral nervous system in psoriasis - Uncovering epigenetic modification related alterations in psoriasis through transcriptomic profiling

Dr. Zoltán Veréb, research fellow

- Immunological properties of adipose tissue derived mesenchymal stem cells
- 3D Bioprinting
- Characterization of bioengineered tissue created by adipose tissue derived mesenchymal stem cells

Dr. Judit Danis, senior lecturer

- Investigation on innate immune functions of keratinocytes

Dr. Renáta Bozó, research fellow

- Investigation of the non-lesional phenotype in the psoriatic uninvolved skin

Dr. Lili Borbála Flink, research fellow

- Examination of the non-lesional skin-derived fibroblasts

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