

**Department of Dermatology and Allergology**  
**Topic List 2023/24**

Supervisor	Topic
Prof. Dr. Rolland Gyulai, professor and head of department	<ul style="list-style-type: none"> <li>- Application of artificial intelligence in the diagnosis and treatment decisions to onychomycosis and other nail diseases</li> <li>- Computational disease models to describe the pathogenesis of psoriasis</li> </ul>
Prof. Dr. Lajos Kemény, professor and head of department	<ul style="list-style-type: none"> <li>- Investigation and influence of the inflammatory effect of ultraviolet light</li> </ul>
Prof. Dr. Zsuzsanna Bata-Csörgő, professor	<ul style="list-style-type: none"> <li>- Drug allergy</li> </ul>
Dr. Eszter Baltás, associate professor	<ul style="list-style-type: none"> <li>- Dermatooncology</li> <li>- Characterization of the different clinical and histological subtypes of melanoma</li> <li>- New therapies in dermatooncology</li> <li>- Immunotherapy in the treatment of skin cancer</li> <li>- Targeted therapy in the treatment of skin cancer</li> <li>- Factors influencing early detection of the rare types of malignant melanoma</li> </ul>
Dr. Zsanett Renáta Csoma, associate professor	<ul style="list-style-type: none"> <li>- Neonatal skin disorders</li> <li>- Acne vulgaris</li> <li>- Atopic dermatitis in childhood</li> <li>- New treatments in atopic dermatitis</li> <li>- Psoriasis in children</li> <li>- Connections of inflammatory bowel diseases and skin diseases</li> </ul>
Dr. Erika Kis, associate professor	<ul style="list-style-type: none"> <li>- Plastic surgery and evidence-based medicine</li> <li>- Electroporation and electrochemotherapy</li> </ul>
Dr. Nóra Belső, senior lecturer	<ul style="list-style-type: none"> <li>- Biological therapies in atopic dermatitis</li> <li>- Evaluation of the efficacy of JAK inhibitors in atopic dermatitis patients</li> <li>- Venom allergy: the role of venom specific IgE and IgG4 in venom immunotherapy</li> </ul>
Dr. Máté Manczinger, senior lecturer	<ul style="list-style-type: none"> <li>- The adaptive immune recognition of cancer</li> <li>- The adaptive immune recognition of SARS-CoV-2</li> <li>- Blind spots in adaptive immune recognition</li> </ul>
Dr. István Balázs Németh, senior lecturer	<ul style="list-style-type: none"> <li>- Dermatooncology</li> </ul>
Dr. Győző Szolnoky, senior lecturer	<ul style="list-style-type: none"> <li>- The study of lymphatic insufficiency</li> <li>- The impact of inflammatory diseases on cardiovascular function</li> </ul>
Dr. Erika Varga, senior lecturer	<ul style="list-style-type: none"> <li>- Dermatooncology</li> </ul>
Dr. Balázs Bende, assistant lecturer	<ul style="list-style-type: none"> <li>- Translational medicine and clinical pharmacology in practice</li> </ul>
Dr. Géza Róbert Nagy,	<ul style="list-style-type: none"> <li>- Differential diagnosis of erysipelas and deep vein</li> </ul>

assistant lecturer	thrombosis - Dermatomyositis - Vasculitis
Dr. Ákos Varga, assistant lecturer	-Oncoplastic breast surgery -Reconstructive surgery of facial soft tissue defects -Plastic surgery on MWL (massive weight loss) patients
Dr. Gergely Groma, research fellow	- Investigation of molecular abnormalities affecting neurogenic inflammatory processes and the peripheral nervous system in psoriasis
Dr. Kornélia Szabó	- Innate immune functions of keratinocytes - Investigations on the role of skin microbiom in skin cells' biology
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	- Investigations on non-lesional psoriatic skin

Contact: Dr. Judit Danis, senior lecturer, [danis.judit@med.u-szeged.hu](mailto:danis.judit@med.u-szeged.hu), +3662-545278,  
website: <https://u-szeged.hu/szakk/dermall/en/research>  
Course code: AOK-TDK101-DERMA