

PERSONAL INFORMATION

Máté Manczinger

ORCID ID: [0000-0003-0831-9617](https://orcid.org/0000-0003-0831-9617)

Nationality: Hungarian

On the web: [Group site](#), [Twitter](#), [Google Scholar](#), [ResearchGate](#), [Hungarian Doctoral Council](#)

EDUCATION

2016 Ph.D. - Department of Dermatology and Allergology, University of Szeged, Hungary, Supervisors: Lajos Kemény & Lóránt Lakatos; [thesis](#)

2016 Dermatologist specialization – Department of Dermatology and Allergology, University of Szeged, Hungary

2010 Medical degree („summa cum laude“)
Faculty of Medicine, University of Szeged, Hungary

CURRENT POSITION(S)

2020- [Mentor](#)

Szeged Scientist Academy

2022– Principal investigator

Biological Research Centre, Szeged, Hungary

2016– [Assistant professor](#)

Department of Dermatology and Allergology, University of Szeged, Hungary

PREVIOUS POSITIONS

2010 – 2013 External lecturer

Department of Pathophysiology, University of Szeged, Hungary

2017 – 2020 Junior mentor

Szeged Scientist Academy

2017 – 2021 Project leader

Csaba Pál Laboratory, Biological Research Centre, Szeged, Hungary

FELLOWSHIPS

2018 - 2021 - [János Bolyai Research Fellowship](#)

2016, 2017, 2018, 2019, 2020 - New National Excellence Program Fellowship

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Between 2016 and 2021:

Two graduate students (Yoshida Mio, Sára Viemann, both wrote their theses with my supervision)

Three Szent-Györgyi students ([Benjamin Papp](#), [Anna Tácia Fülöp](#), Leó Asztalos)

Three Ph.D. students ([Balázs Koncz](#), [Gergő Balogh](#), [Benjamin Papp](#)), Balázs has submitted his Ph.D. thesis in 2021

TEACHING ACTIVITIES

2007 – 2013 Teaching position – Pathophysiology seminars, Department of Pathophysiology, University of Szeged, Hungary

2014 – Teaching position – Dermatology practices and seminars, Department of Dermatology and Allergology, University of Szeged, Hungary

2021 – HCEMM Translational medicine course

INSTITUTIONAL RESPONSIBILITIES

2018 – Member of the Scientific Student Council, Faculty of Medicine, University of Szeged, Szeged, Hungary

COMMISSIONS OF TRUST

2018 – Public body member of the Hungarian Academy of Sciences

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2015 – Member, European Society for Dermatological Research

2011 – Member, Hungarian Society of Immunology

MAJOR COLLABORATIONS

[Tobias L. Lenz](#) – HLA Promiscuity, Evolutionary Immunogenomics Research Unit, Department of Biology, University of Hamburg, Hamburg, Germany

[Attila Bérces](#) – Omixon Biocomputing Ltd., Budapest, Hungary

OTHER

2020: Excellent Tutor of Scientific Student Circle at Faculty of Medicine, University of Szeged

2018: National Institute of Allergy and Infectious Diseases (NIAID) Scholarship

2017: 90th Hungarian Dermatological Society Meeting - Resdevco prize 1st place

2016: SZTE Innovation Prize 2nd place

2014: EADV Educational Grant (Bioinformatics for Skin Research Summer School)

SCIENTOMETRY

All publications:

Total number: 16

D1: 8, Q1: 4

Citations: Google Scholar: 276 (on 2022/07/20)

First and last authored publications:

Total Number: 8

D1: 5, Q1: 1

EDITORIAL AND REVIEW ACTIVITIES

Editorial board member of the [Immunoinformatics](#) (Elsevier) journal

Reviewer activity in: Annals of Oncology, Scientific Reports, Frontiers in Immunology, Genome, Advanced Science (reviewing 3-4 manuscripts/year)

Reviewer of the premium postdoctoral fellowship of the Hungarian Academy of Sciences.

MAJOR SCIENTIFIC DISCOVERIES

- I have developed a drug repurposing algorithm, which was [applied for patenting](#) in the U.S.
- The previously neglected concept of HLA promiscuity was elaborated in detail with my leadership (Manczinger et al., PloS Biology, 2019). Also, I led the project, which discovered the role of this HLA feature in antitumor immunity (Manczinger et al., Nature Cancer, 2021). HLA promiscuity has been proved to be an accurate biomarker and we have contracted with a company in the US to work together on its application in healthcare.
- We have recently published the results of another project, which focused on a provocative topic (Koncz et al., PNAS, 2021). We proposed that T cell positive selection results in a defective T cell repertoire. Consequently, overly dissimilar peptides to our own proteins are unlikely to be recognized by the immune system.

SCIENCE PROMOTING ACTIVITIES

- Regularly holding lectures in the Researcher's Night Program
- Holding lectures in the [HiSchool](#) career orientation program
- Regularly holding lectures in the "Magyar Tudomány Ünnepe" series
- Laboratory presentation for high school students (Szeged Scientist Academy activity)

TALKS ON INTERNATIONAL CONFERENCES

- **Manczinger M** COVID-19 and HLA: The Current State of Knowledge and Future Directions, webinar @ Omixon Academy, 2020
- **Manczinger M** Pathogen diversity and generalist human MHC alleles. 5th Annual ISEMPH Meeting, 2019, Zürich, Switzerland
- **Manczinger M** Pathogen Diversity Drives the Evolution of Promiscuous Peptide Binding of Human MHC-II Alleles. Keystone Symposia –Translational Systems Immunology 2018, Snowbird, USA
- **Manczinger M** Drug Repurposing for Psoriasis – ESDR Academy for Future Leaders in Dermatology 2017, Barcelona, Spain

- **Manczinger M**, Boross G, Papp BT, Papp B, Kemény L, Pál C: Parasite load drives rapid evolution of promiscuous peptide binding in human MHC-II alleles. One Past Health Workshop 2017, Max Planck Institute for Evolutionary Biology, Plön, Germany
- **Manczinger M**, Kemény L: Novel factors in psoriasis pathogenesis and potential drug candidates are found with systems biology approach. Functional Genomics & Systems Biology 2013, Wellcome Trust Conference Centre, Hinxton, Cambridge, UK