

2025/26

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BY DOING.



SEMMELWEIS
UNIVERSITY 1769

VIII. PROGRESS REPORT

PHD DEFENCE



OCTOBER 20-22
2025



BC22 OFFICE BUILDING
GROUND FLOOR
(1085 BUDAPEST,
BAROSS STREET 22)
MARCUS AURELIUS
SEMINAR ROOM



SEMMELWEIS UNIVERSITY

CENTRE FOR
TRANSLATIONAL MEDICINE



tm-centre.org | semmelweis.hu/tmk



MONDAY, 20 OCTOBER, 2025

8:00

Opening Speech

Péter Hegyi
Director of the Centre for
Translational Medicine



FIRST CANDIDATE

8:30



Supervisor(s)
Gábor Csukly

ZSOLT HUSZÁR

"Risk factors of cognitive decline in elderly population"

Publications

Huszár, Zs. et al. (2024) Risk of conversion to mild cognitive impairment or dementia among subjects with amyloid and tau pathology: a systematic review and meta-analysis

Alzheimers Res Ther, D1, IF: 9.000

Huszár, Zs. et al. (2024) Association of modifiable risk factors with progression to dementia in relation to amyloid and tau pathology

Alzheimers Res Ther, D1, IF: 7.900

Psychiatry

COMMITTEE

Martin Koltzenburg, László Szapáry, Bence Lázár, Gábor Varga

OPP 1

Tamás Kiss

OPP 2

Zsolt Datki

SMS

Nazanin Ghods

STAT

Réka Tóth

SECOND CANDIDATE

9:30



Supervisor(s)
Zsolt Mezei,
Klaudia Horváth

KATALIN LUGOSI

"Prevalence and influencing factors of domain-specific cognitive impairment in multiple sclerosis"

Publications

Lugosi, K. et al. (2024) Domain-specific cognitive impairment in multiple sclerosis: A systematic review and meta-analysis

Ann Clin Transl Neurol, D1, IF: 5.300

Neurology

COMMITTEE

Martin Koltzenburg, Zsolt Datki, Bence Lázár, Gábor Varga

OPP 1

László Szapáry

OPP 2

Tamás Kiss

SMS

Nazanin Ghods

STAT

Réka Tóth

THIRD CANDIDATE

11:00



Supervisor(s)
Balázs Lintner

ISTVÁN LÁSZLÓ BARADÁCS

"Investigating the role of parp inhibitors in the treatment of ovarian cancer"

Publications

Baradács, I. et al. (2024) PARP inhibitor era in ovarian cancer treatment: a systematic review and meta-analysis of randomized controlled trials.

J Ovarian Res, Q2, IF: 4.000

Baradács, I. et al. (2025) Efficacy and Safety of Combination Therapy with PARP Inhibitors and Anti-Angiogenic Agents in Ovarian Cancer: A Systematic Review and Meta-Analysis

J Clin Med, Q1, IF: 3.000

Gynecology

COMMITTEE

Bart Fauser, Tamás Marton, Dóra Koczka-Balogh, Gábor Varga

OPP 1

Bálint Farkas

OPP 2

Romina-Marina
Sima

SMS

Viktória Barna

STAT

Réka Tóth

FOURTH CANDIDATE

12:00



Supervisor(s)
Réka Hermanné
Juhász

ANNA EVELIN JUHÁSZ

Gynecology / Dietetics

"The role of dietary fibers and diet composition in the management of metabolic disorders"

Publications

Juhász, AE. et al. (2022) Galactomannans are the most effective soluble dietary fibers in type 2 diabetes: a systematic review and network meta-analysis.

Am J Clin Nutr, Q1, IF: 7.100

Juhász, AE. et al. (2023) Reply to Zurbau et al.

Am J Clin Nutr, D1, IF: 7.100

Juhász, AE. et al. (2024) Ranking the dietary interventions by their effectiveness in the management of polycystic ovary syndrome: a systematic review and network meta-analysis

Reprod Health, D1, IF: 3.400

COMMITTEE

Bart Fauser, Tamás Marton, Dóra Koczka-Balogh, Gábor Varga

OPP 1

Bálint Farkas

OPP 2

Romina-Marina
Sima

SMS

Viktória Barna

STAT

Réka Tóth

FIFTH CANDIDATE

13:30



Supervisor(s)
Tibor Szarvas

TAMÁS FAZEKAS

Urology

"Prostate cancer screening, molecular diagnostics, and therapy prediction: toward personalized care"

Publications

Fazekas, T. et al. (2024) Magnetic Resonance Imaging in Prostate Cancer Screening: A Systematic Review and Meta-Analysis

JAMA Oncol, D1, IF: 28.400

Fazekas, T. et al. (2023) Poly (ADP-ribose) Polymerase Inhibitors Have Comparable Efficacy with Platinum Chemotherapy in Patients with BRCA-positive Metastatic Castration-resistant Prostate Cancer. A Systematic Review and Meta-analysis.

Eur Urol Oncol, D1, IF: 8.200

Fazekas, T. et al. (2024) Molecular Correlates of Prostate Cancer Visibility on Multiparametric Magnetic Resonance Imaging: A Systematic Review

Eur Urol Oncol, D1, IF: 8.200

COMMITTEE

István Király, Mátyás Benyó, Dániel Bányai, Zsolt Molnár

OPP 1

Csaba Berczi

OPP 2

Miklós Damásdi

SMS

Krisztina
Csóke-Kabai

STAT

Karen Fazekas

SIXTH CANDIDATE

14:30



Supervisor(s)
Zsolt Kopa

ANETT SZABÓ

Urology

"Male infertility: the functional side of the spermatozoa"

Publications

Szabó, A. et al. (2023) Lifestyle-, environmental-, and additional health factors associated with an increased sperm DNA fragmentation: A systematic review and meta-analysis.

Reprod Biol Endocrinol, Q1, IF: 4.400

Szabó, A. et al. (2025) Assessing the efficacy of varicocelelectomy, antioxidants, FSH treatment, and lifestyle modifications on sperm DNA fragmentation: a systematic review and meta-analysis

Sci Rep, D1, IF: 3.800

COMMITTEE

Csaba Berczi, Miklós Damásdi, István Király, Zsolt Molnár

OPP 1

Dániel Bányai

OPP 2

Mátyás Benyó

SMS

Krisztina
Csóke-Kabai

STAT

Karen Fazekas

SEVENTH CANDIDATE

15:30



Supervisor(s)
Tibor Szarvas

ÁDÁM DÁNIEL SZÉLES

"Prognostic and predictive biomarkers in urothelial cancer"

Urology

Publications

Széles, ÁD. et al. (2022) High Pretreatment Serum PD-L1 Levels Are Associated with Muscle Invasion and Shorter Survival in Upper Tract Urothelial Carcinoma

Biomedicines, Q1, IF: 4.700

Széles, ÁD. et al. (2022) Pre-treatment soluble PD-L1 as a predictor of overall survival for immune checkpoint inhibitor therapy: a systematic review and meta-analysis

Cancer Immunol Immunother, Q1, IF: 5.800

Széles, ÁD. et al. (2025) Prognostic and predictive value of pre-treatment blood-based inflammatory biomarkers in patients with urothelial carcinoma treated with immune checkpoint inhibitors: a systematic review and meta-analysis

Front Immunol, Q1, IF: 5.700

COMMITTEE

Dániel Bányai, Miklós Damásdi, Csaba Berczi, Zsolt Molnár

OPP 1

István Király

OPP 2

Mátyás Benyó

SMS

Krisztina
Csóke-Kabai

STAT

Karen Fazekas



TUESDAY, 21 OCTOBER, 2025

8:00

Opening Speech

Péter Hegyi
Director of the Centre for
Translational Medicine



FIRST CANDIDATE

8:30



Supervisor(s)
Bálint Eröss

MAHMOUD OBEIDAT

Gastroenterology

"Hemodynamic instability and refeeding in patients with gastrointestinal bleeding"

Publications

Obeidat, M. et al. (2023) One in four patients with gastrointestinal bleeding develops shock or hemodynamic instability: A systematic review and meta-analysis.

World J Gastroenterol, Q1, IF: 4.300

Obeidat, M. et al. (2024) Early nutrition is safe and does not increase complications after upper gastrointestinal bleeding- A systematic review and meta-analysis of randomized controlled trials.

Sci Rep, D1, IF: 4.600

COMMITTEE

Lajos Bogár, Octavian Andronic, Marcel Tantau, Zoltán Zádori

OPP 1

Patricia Sarlós

OPP 2

Tibor Gyökeres

SMS

Jimin Lee

STAT

Andrea Harnos

SECOND CANDIDATE

9:30



Supervisor(s)
Emese Mihály

ANETT RANCZ

Gastroenterology

"The invisible presence of microscopic colitis"

Publications

Rancz, A. et al. (2023) Microscopic colitis is a risk factor for low bone density: A systematic review and meta-analysis.

Therap Adv Gastroenterol, Q1, IF: 4.802

Rancz, A. et al. (2025) Risk Factors for Microscopic Colitis: A Systematic Review and Meta-Analysis

J Gastroenterol Hepatol, Q1, IF: 3.400

COMMITTEE

Lajos Bogár, Patricia Sarlós, Tibor Gyökeres, Zoltán Zádori

OPP 1

Octavian Andronic

OPP 2

Marcel Tantau

SMS

Jimin Lee

STAT

Andrea Harnos

THIRD CANDIDATE

10:30



Supervisor(s)
Bálint Eröss

MARIE ANNE ENGH

Gastroenterology

"Equipment and techniques for optimizing diagnostic efficacy after endoscopic ultrasound-guided tissue acquisition from solid pancreatic and abdominal masses"

Publications

Engh, MA et al. (2024) Contrast-enhanced endoscopic ultrasound likely does not improve diagnostic adequacy during endoscopic ultrasound guided tissue acquisition: A systematic review and meta-analysis.

Pancreatology, Q1, IF: 3.600

COMMITTEE

Lajos Bogár, Octavian Andronic, Tibor Gyökeres, Zoltán Zádori

OPP 1

Patricia Sarlós

OPP 2

Marcel Tantau

SMS

Jimin Lee

STAT

Andrea Harnos

FOURTH CANDIDATE

12:00



PÉTER MÁRTON KULYASSA

Critical care-Cardio

"Optimizing outcomes in percutaneous coronary procedures"

Publications

Kulyassa, PM. et al. (2023) Drug-coated balloon therapy is more effective in treating late drug-eluting stent in-stent restenosis than the early occurring one — a systematic review and meta-analysis.

Front Cardiovasc Med, Q1, IF: 5.846

Supervisor(s)
István Ferenc
Édes

COMMITTEE

Rainer Schulz, Andárs Lorx, Marcel Tantau

OPP 1

Péter Kanizsai

OPP 2

Octavian Andronic

SMS

Darius-Valentin
Sandu

STAT

Bence Szabó

FIFTH CANDIDATE

13:00



CSENGE ERZSÉBET SZIGETVÁRY

Critical care-Cardio

"Advanced strategies in improving outcomes during mechanical ventilation"

Publications

Szigetváry, CSE. et al. (2023) Hemoadsorption as Adjuvant Therapy in Acute Respiratory Distress Syndrome (ARDS): A Systematic Review and Meta-Analysis
Biomedicines,

Biomedicines, Q1, IF: 4.700

Szigetváry, CSE. et al. (2024) Individualised Positive End-Expiratory Pressure Settings Reduce the Incidence of Postoperative Pulmonary Complications: A Systematic Review and Meta-Analysis.

J Clin Med, Q1, IF: 3.900

Supervisor(s)
Zsolt Molnár,
Zoltán Ruszkai

COMMITTEE

Rainer Schulz, Andárs Lorx, Marcel Tantau

OPP 1

Péter Kanizsai

OPP 2

Octavian Andronic

SMS

Darius-Valentin
Sandu

STAT

Bence Szabó

SIXTH CANDIDATE

15:00



KINGA KOVÁCS

Pediatrics

"Placenta – fetal lung in utero"

Publications

Kovács, K. et al. (2023) The histologic fetal inflammatory response and neonatal outcomes: systematic review and meta-analysis.

Am J Obstet Gynecol, D1, IF: 9.800

Kovács, K. et al. (2025) The effect of an additional pre-extubational loading dose of caffeine citrate on mechanically ventilated preterm infants (NEOKOFF trial): Study protocol for a multicenter randomized clinical trial

PLoS One, Q1, IF: 2.900

Supervisor(s)
Ákos Gasparics

COMMITTEE

Prem Puri, Anikó Görbe, Zoltán Zádori

OPP 1

Tamás Marton

OPP 2

Gergely Balázs

SMS

Amir Makolli

STAT

Bence Szabó

SEVENTH CANDIDATE

16:00



ESZTER BAKÓ

Pharmacology

"Volatile organic compounds and essential oils: distribution in conifers and their applications in pain management"

Publications

Bakó, E. et al. (2024) Chemometric analysis of monoterpenes and sesquiterpenes of conifers.

J Frontiers in Planet Science, Q1, IF: 5.600

Supervisor(s)
Andrea
Böszörményi

COMMITTEE

Ingolf Cascorbi, Lajos Botz, Zoltán Zádori

OPP 1

István Baczkó

OPP 2

Anikó Görbe

SMS

Amir Makolli

STAT

Bence Szabó

EIGHTH CANDIDATE

17:00



DOROTTYA BASTIDAS-GERGŐ

Pharmacology

"Assessment of efficacy and safety of natural products in evidence-based medicine"

Publications

Gergő, D. et al. (2025) Efficacy and Safety of L-Menthol During Gastrointestinal Endoscopy-A Systematic Review and Meta-Analysis of Randomized Clinical Trials

J Clin Med, Q1, IF: 2.900

gergő, D. et al. (2025) Inhaling Peppermint Essential Oil as a Promising Complementary Therapy in the Treatment of Nausea and Vomiting

J Clin Med, Q1, IF: 2.900

Supervisor(s)
Dezső Csupor,
Attila Ványolos

COMMITTEE

Ingolf Cascorbi, Lajos Botz, Anikó Görbe

OPP 1

Zoltán Zádori

OPP 2

István Baczkó

SMS

Amir Makolli

STAT

Bence Szabó



WEDNESDAY, 22 OCTOBER, 2025

8:00

Opening Speech

Péter Hegyi
Director of the Centre for
Translational Medicine



FIRST CANDIDATE

8:30



Supervisor(s)
Tamás Terebessy

ORSOLYA ZSUZSANNA GRESITS

Orthopaedics

"Functional effects of common cerebral palsy treatment methods"

Publications

Gresits, OZS. Limited Evidence of Functional Benefit After Upper Limb Botulinum Toxin Treatment in Children With Cerebral Palsy: Systematic Review and Meta-analysis

Am J Phys Med Rehabil, Q1, 2.200

COMMITTEE

Ling Qin, Imre Antal, Krisztián Sisák, Miklós Szendrői

OPP 1

Imre Szerb

OPP 2

László Bucsi

SMS

Bianca Golzio

STAT

Boglárka Szentes

SECOND CANDIDATE

9:30



Supervisor(s)
Judit Réka
Hethéssy

LUCA HERGÁR

Orthopaedics

"Translational key points between radiology, physical examination and hand surgery"

Publications

Hergár, L. et al. (2024) No evidence for the superiority of 3 T MRI over 1.5 T MRI for diagnosing wrist ligamentous lesions: a systematic review and meta-analysis.

Arthroscopy, D1, IF: 4.700

Hergár, L. et al. (2024) Assessing the severity of carpal tunnel syndrome during physical examination by measuring two-point discrimination: Post-hoc analysis of prospectively collected data.

Injury, Q1, IF: 2.500

COMMITTEE

Ling Qin, László Bucsi, Krisztián Sisák, Imre Antal, Zsolt Molnár

OPP 1

Miklós Szendrői

OPP 2

Imre Szerb

SMS

Bianca Golzio

STAT

Boglárka Szentes

THIRD CANDIDATE

11:00



Supervisor(s)
György Kocsis

KRISZTIÁN BALÁZS KOVÁCS

Orthopaedics

"Aspects of Orthopaedic Biomechanics"

Publications

Kovács, KB. et al. (2023) Anisotropy, Anatomical Region, and Additional Variables Influence Young's Modulus of Bone: A Systematic Review and Meta-Analysis.

JBMR Plus, Q1, IF: 3.800

Kovács, KB. et al. (2025) Acromioclavicular Reconstruction Using the Lockdown Technique: A Case Series and Systematic Review

J Clin Med, Q1, IF: 2.900

COMMITTEE

László Bucsi, Imre Szerb, Krisztián Sisák, Zsolt Molnár, Miklós Szendrői

OPP 1

Imre Antal

OPP 2

Ling Qin

SMS

Bianca Golzio

STAT

Boglárka Szentes

FOURTH CANDIDATE

12:00



Supervisor(s)
Gábor Skaliczki

VIKTOR WENINGER

Orthopaedics

"Evidence-based strategies for optimizing shoulder treatment outcomes: from injections to antimicrobials"

Publications

Weninger, V. et al. (2024) Hyaluronate acid plus platelet-rich plasma is superior to steroids for pain relief less than 6 months using injection therapy of partial rotator cuff tears: A systematic review and network meta-analysis.

Arthroscopy, D1, IF: 4.700

COMMITTEE

László Bucsi, Imre Szerb, Krisztián Sisák, Zsolt Molnár, Miklós Szendrői

OPP 1

Imre Antal

OPP 2

Ling Qin

SMS

Bianca Golzio

STAT

Boglárka Szentés

FIFTH CANDIDATE

14:00



Supervisor(s)
András Bánvölgyi

ISTVÁN SZONDY

Dermatology

"New frontiers in the prevention of sexually transmitted infections"

Publications

Szondy I. et al. (2024) Doxycycline prophylaxis for the prevention of sexually transmitted infections: a systematic review and meta-analysis of randomised controlled trials.

Int J Infect Dis, Q1, IF: 8.400

Szondy, I. et al. (2025) Evaluating cross-protection: Meningococcal vaccines show effectiveness in gonorrhoea prevention - A systematic review and meta-analysis

Vaccine, D1, IF: 4.500

COMMITTEE

Carmen Cantisani, Rita Nagy, Gábor Varga

OPP 1

Lajos Kemény

OPP 2

Roxana Nedelcu

SMS

Koorosh Karimi

STAT

Dániel Veres

SIXTH CANDIDATE

15:00



Supervisor(s)
Péter Holló,
András Bánvölgyi

NOÉMI ÁGNES VÁMOSI-GALAJDA

Dermatology

"The effects of tumour necrosis factor inhibitors on cardiovascular risk in immune-mediated inflammatory diseases"

Publications

Galajda, NÁ. et al. (2024) Reducing cardiovascular risk in immune-mediated inflammatory diseases: Tumour necrosis factor inhibitors compared to conventional therapies-A systematic review and meta-analysis.

J Eur Acad Dermatol Venereol, Q1, IF: 9.200

Galajda, NÁ. et al. (2025) Evaluation of the risk of heart failure with tumour necrosis factor inhibitors: A large-scale meta-analysis in immune-mediated inflammatory diseases

J Eur Acad Dermatol Venereol, D1, IF: 8.500

COMMITTEE

Lajos Kemény, Rita Nagy, Gábor Varga

OPP 1

Carmen Cantisani

OPP 2

Roxana Nedelcu

SMS

Koorosh Karimi

STAT

Dániel Veres

SEVENTH CANDIDATE

16:00



NOÉMI NÓRA VARGA

Dermatology

"Innovative multimodal imaging techniques in dermatology"

Publications

Varga, NN. et al. (2025) Diagnostic Accuracy of Novel Optical Imaging Techniques for Melanoma Detection: A Systematic Review and Meta-Analysis

Int J Dermatol, Q1, IF: 3.500

Supervisor(s)

Norber Kiss,
Mária Medvecz

Carmen Cantisani, Rita Nagy, Gábor Varga

COMMITTEE

OPP 1

Lajos Kemény

OPP 2

Roxana Nedelcu

SMS

Koorosh Karimi

STAT

Dániel Veres



Supporting partner
of our program



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ALAPÍTVÁNY**

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VIII. PROGRESS REPORT

PHD DEFENCE



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CENTRE FOR TRANSLATIONAL MEDICINE



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