

PHD DEFENCE INVITATION

VIII. PROGRESS REPORT



22-23 April, 2025



Centre for Translational Medicine
Marcus Aurelius Seminar Room
22 Baross Street, 1085 Budapest

Dear Students and Colleagues,

We cordially invite you to our next PhD defence event. **For Year I & II students participation at least one day of the two is mandatory.** If you would like to read the thesis, click on its title. If you click on the title of an article, it will redirected you to the journal's page. Scan or click the QR code to see the student's profile page.

TUESDAY, 22 APRIL, 2025

9:00

Translational Medicine in Action:
Progress, Innovation, and Impact

Péter Hegyi
Director of the Centre for
Translational Medicine



FIRST CANDIDATE

9:15



Supervisor(s)
Zsolt Molnár

GERGŐ VILMOS SZABÓ

Critical care & Cardiology

"Improving outcomes in acute life threatening emergencies"

Publications

Szabó, GV. et al. Point-of-care ultrasound improves clinical outcomes in patients with acute onset dyspnea: a systematic review and meta-analysis. (2023)

Intern Emerg Med, Q1, IF: 3.2

Szabó, GV. et al. Fluid resuscitation with balanced electrolyte solutions results in faster resolution of diabetic ketoacidosis than with 0.9% saline in adults – A systematic review and meta-analysis. (2024)

Diabetes Metab Res Rev, D1, IF: 4.6

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
László Czakó (HUN)	Tihamér Molnár (HUN)	Ivica Grgurević (CRO)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Bence Szabó (HUN)	Rita Nagy (HUN)

SECOND CANDIDATE

10:15



Supervisor(s)
Dezső Csopor

ISTVÁN LÁSZLÓ HORVÁTH

Pharma, Derma & Immuno

"Novel therapeutic options in the treatment of acute pancreatitis"

Publications

Horváth, IL. et al. The combination of ulinastatin and somatostatin reduces complication rates in acute pancreatitis: a systematic review and meta-analysis of randomized controlled trials. (2022)

Sci Rep, D1, IF: 4.6

Horváth, IL. et al. No evidence for the benefit of PPIs in the treatment of acute pancreatitis: a systematic review and meta-analysis. (2023)

Sci Rep, D1, IF: 3.8

Horváth, IL. et al. Nafamostat Reduces the Incidence of post-ERCP Pancreatitis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. (2024)

Clin Pharmacol Ther, D1, IF: 6.3

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
László Czakó (HUN)	Ivica Grgurević (CRO)	Cristian Gheorghe (ROM)	Boris Brkljačić (CRO)	Tihamér Molnár (HUN)	Bence Szabó (HUN)	Rita Nagy (HUN)

THIRD CANDIDATE

13:00





KATA ILLÉS
"Improving the success in surgery of chronic middle ear diseases"
Publications
Illés, K. et al. Mastoid Obliteration Decreases the Recurrent and Residual Disease: Systematic Review and Meta-analysis. (2023)
Laryngoscope, D1, IF: 2.2
Illés, K. et al. Factors influencing successful reconstruction of tympanic membrane perforations: a systematic review and meta-analysis. (2023)
Eur Arch Otorhinolaryngol, Q1, IF: 1.9

Supervisor(s)
Tamás Horváth

Pharma, Derma & Immuno

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Gábor Varga (HUN)	László Lujber (HUN)	László Tamás (HUN)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Gergely Agócs (HUN)	Marie Engh (GER-USA)

FOURTH CANDIDATE

14:00





ÁDÁM CSIRZÓ
"Medical and surgical treatment of endometriosis"
Publications
Csirzó, Á. et al. Robot-assisted laparoscopy does not have demonstrable advantages over conventional laparoscopy in endometriosis surgery: a systematic review and meta-analysis. (2023)
Surg Endoscop, D1, IF: 3.4
Csirzó, Á. et al. Comparative Analysis of Medical Interventions to Alleviate Endometriosis-Related Pain: A Systematic Review and Network Meta-Analysis. (2024)
J Clin Med, Q1, IF: 3.0

Supervisor(s)
Sándor Valent

Gynecology & Urology

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Zsolt Molnár (HUN)	Tamás Bitó (HUN)	Szabolcs Molnár (HUN)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Gergely Agócs (HUN)	Marie Engh (GER-USA)

FIFTH CANDIDATE

15:00





MÁTYÁS VEZÉR
"Novel Devices in the Rehabilitation of Children with Cerebral Palsy"
Publications
Vezér, M. et al. Evidence for gait improvement with robotic-assisted gait training of children with cerebral palsy remains uncertain. (2023)
Gait & Posture, Q1, IF: 2.2
Vezér, M. et al. Effectiveness of Video-Game-Based Therapy to Improve Hand Function in Children with Cerebral Palsy: A Systematic Review and Meta-Analysis (2024)
J Clin Med, Q1, IF: 3.0

Supervisor(s)
Tamás Terebessy

Ortho, Neuro & Misc

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Zsolt Molnár (HUN)	László Bucsi (HUN)	Zoltán Tóth (HUN)	Boris Brkljačić (CRO)	Ivica Grgurević (CRO)	Gergely Agócs (HUN)	Marie Engh (GER-USA)



WEDNESDAY, 23 APRIL, 2025

8:00	70 Years of Excellence: Honoring Innovation and Research in Dentistry	Gábor Gerber <i>Dean of Faculty of Dentistry</i>	
8:15	Translational Medicine in Action: Progress, Innovation, and Impact	Gábor Varga <i>Vice Director of the Centre for Translational Medicine</i>	

SIXTH CANDIDATE

8:30



Supervisor(s)
Gábor Varga



BIANCA GOLZIO NAVARRO CAVALCANTE

Dentistry

"New frontiers in the early management of enamel caries lesions and defects"

Publications

Cavalcante, BGN. et al. Combined Casein Phosphopeptide-Amorphous Calcium Phosphate and Fluoride Is Not Superior to Fluoride Alone in Early Carious Lesions: A Meta-Analysis. (2023)
J Clin Med, Q1, IF: 3.0

Cavalcante, BGN. et al. Non-Invasive Strategies for Remineralization and Hypersensitivity Management in Molar-Incisor Hypomineralization—A Systematic Review and Meta-Analysis. (2024)
Caries Research, Q1, IF: 2.9

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Zoltán Baráth (HUN)	Victor-Vlad Costan (ROM)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Oleh Andrukhov (AUT)	Roland Molontay (HUN)	Mahmoud Obeidat (JOR)

SEVENTH CANDIDATE

9:30



Supervisor(s)
Orsolya Németh,
Gábor Varga



ZSUZSANNA DOMOKOS

Dentistry

"Beyond the limitations of conventional periodontal care: multidisciplinary approach and novel methods"

Publications

Domokos, Z. et al. Patients with inflammatory bowel disease have a higher chance of developing periodontitis: A systematic review and meta-analysis. (2022)
Front Med, Q1, IF: 5.058

Domokos, Z. et al. Evaluating salivary MMP-8 as a biomarker for periodontal diseases: A systematic review and meta-analysis. (2024)
Heliyon, Q1, IF: 3.4

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Zoltán Baráth (HUN)	Victor-Vlad Costan (ROM)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Roland Molontay (HUN)	Mahmoud Obeidat (JOR)



EIGHTH CANDIDATE

11:00



Supervisor(s)
Péter Hermann

KATA KELEMEN

"Treatment possibilities for temporomandibular disorders"

Publications

Kelemen, K. et al. Additional splint therapy has no superiority in myogenic temporomandibular disorders : A systematic review and meta-analysis of randomized controlled trials. (2023)

J Prosthodont Res, D1, IF: 3.2

Kelemen, K. et al. Efficacy of different intraarticular injection materials in the arthrocentesis of arthrogenic temporomandibular disorders: A systematic review and network meta-analysis. (2024)

J Prostodont Res, D1, IF: 3.2

Dentistry

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Noémi Rózsa (HUN)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Oleh Andrukhov (AUT)	Zoltán Baráth (HUN)	Dániel Veres (HUN)	Mahmoud Obeidat (JOR)

NINETH CANDIDATE

12:00



Supervisor(s)
Péter Hermann

JÁNOS KÖNIG

"Advancing treatment possibilities in Oro-Maxillo-Facial rehabilitation"

Publications

König, J. et al. Comparative analysis of surgical and prosthetic rehabilitation in maxillectomy: A systematic review and meta-analysis on quality-of-life scores and objective speech and masticatory measurements. (2023)

J Prosthet Dent, D1, IF: 4.6

König, J. et al. Current status of optical scanning in facial prosthetics: A systematic review and meta-analysis. (2024)

J Prosthodont Res, D1, IF: 4.338

Dentistry

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
Noémi Rózsa (HUN)	Zoltán Baráth (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Dániel Veres (HUN)	Mahmoud Obeidat (JOR)

TENTH CANDIDATE

14:30



Supervisor(s)
Judit Borbély

ANNA NÉMETH

"3D printing in dentistry"

Publications

Németh, A. et al. Clear guidance to select the most accurate technologies for 3D printing dental models - A network meta-analysis. (2023)

J Dent, D1, IF: 4.8

Németh, A. et al. Comparison of fit and trueness of single-unit and short-span fixed dental restorations fabricated by additive and subtractive manufacturing - A systematic review and meta-analysis. (2024)

J Dent, D1, IF: 4.8

Dentistry

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
János Vág (HUN)	Reinhilde Jacobs (BEL)	Victor-Vlad Costan (ROM)	Stjepan Špalj (CRO)	Oleh Andrukhov (AUT)	Tamás Kói (HUN)	Anett Rancz (HUN)



"Those people who develop the ability to continuously acquire new and better forms of knowledge that they can apply to their work and to their lives will be the movers and shakers in our society for the indefinite future."

Brian Tracy

ELEVENTH CANDIDATE

15:30



Supervisor(s)
Judit Borbély

VIKTÓRIA VITAI

"Prosthodontic application of intraoral scanning systems"

Publications

Vitai, V. et al. Evaluation of the accuracy of intraoral scanners for complete-arch scanning: A systematic review and network meta-analysis. (2023)

J Dent, D1, IF: 4.8

Vitai, V. et al. Color Comparison Between Intraoral Scanner and Spectrophotometer Shade Matching: A Systematic Review and Meta-Analysis. (2024)

J Esthet Restor Dent, D1, IF: 3.2

Dentistry

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
János Vág (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Victor-Vlad Costan (ROM)	Tamás Kói (HUN)	Anett Rancz (HUN)

TWELFTH CANDIDATE

16:30



Supervisor(s)
Krisztina Ágnes Mikulás

PÉTER TAJTI

"Effects of biomaterials and prosthetic design on peri-implant hard and soft tissue health"

Publications

Tajti, P. et al. Monolithic zirconia as a valid alternative to metal-ceramic for implant-supported single crowns in the posterior region: A systematic review and meta-analysis of randomized controlled trials. (2023)

J Prosthet Dent, D1, IF: 4.3

Tajti, P. et al. Less marginal bone loss around bone-level implants restored with long abutments: A systematic review and meta-analysis. (2024)

Periodontol 2000, D1, IF: 17.5

Dentistry

Chair	Opponent 1	Opponent 2	Member 1	Member 2	Member 3	SMS
János Vág (HUN)	Victor-Vlad Costan (ROM)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Tamás Kói (HUN)	Anett Rancz (HUN)

Participation **requires registration** for our students and other interested parties alike.
Please fill out the form and choose the day(s) you will attend the event.
If you're a CTM student, provide your year as well.

REGISTRATION FORM

If you have any questions regarding the event, feel free to contact us.
tmk@semmelweis.hu



SEMMELWEIS
UNIVERSITY 1769



semmelweis.hu/tmk

PHD DEFENCE INVITATION

VIII. PROGRESS REPORT



22-23 April, 2025



Centre for Translational Medicine
Marcus Aurelius Seminar Room
22 Baross Street, 1085 Budapest

Dear Students and Colleagues,

We cordially invite you to our next PhD defence event. Below you can see the program with the thesis title of the students and the members of the committee. We reserve the right for any change that may occur. For Year I & II students participation at least one day of the two is mandatory. By clicking the title, you can find the whole thesis for each student.

TUESDAY, 22 APRIL, 2025						
9:00	Opening					Péter Hegyi
Time	Chair	Opponent 1	Opponent 2	Member 1	Member 2	Candidate
9:15	"Improving outcomes in acute life threatening emergencies"					Gergő Vilmos Szabó
	László Czakó (HUN)	Tihamér Molnár (HUN)	Ivica Grgurević (CRO)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Critical care & Cardiology
10:15	"Novel therapeutic options in the treatment of acute pancreatitis"					István László Horváth
	László Czakó (HUN)	Ivica Grgurević (CRO)	Cristian Gheorghe (ROM)	Boris Brkljačić (CRO)	Tihamér Molnár (HUN)	Pharma, Derma & Immuno
13:00	"Improving the success in surgery of chronic middle ear diseases"					Kata Illés
	Zsolt Molnár (HUN)	László Lujber (HUN)	László Tamás (HUN)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Pharma, Derma & Immuno
14:00	"Revolutionizing Diagnostics: Advances in Non-Invasive Testing for Maternal and Fetal Health"					Ádám Csirzó
	Zsolt Molnár (HUN)	Tamás Bitó (HUN)	Zoárd Krasznai (HUN)	Boris Brkljačić (CRO)	Cristian Gheorghe (ROM)	Gynecology & Urology
15:00	"Unraveling the Cell Cycle: Key Insights into the Molecular Mechanisms of Cell Division."					Mátyás Vezér
	Zsolt Molnár (HUN)	László Bucsi (HUN)	Zoltán Tóth (HUN)	Boris Brkljačić (CRO)	Ivica Grgurević (CRO)	Ortho, Neuro & Misc

WEDNESDAY, 23 APRIL, 2025

8:00	Opening					Gábor Gerber
8:15	Opening					Péter Hegyi
Time	Chair	Opponent 1	Opponent 2	Member 1	Member 2	Candidate / Group
8:30	"New frontiers in the early management of enamel caries lesions and defects"					Bianca Golzio Navarro Cavalcante
	Zsolt Németh (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Zoltán Baráth (HUN)	Dentistry
9:30	"Beyond the limitations of conventional periodontal care: multidisciplinary approach"					Zsuzsanna Domokos
	Zsolt Németh (HUN)	Reinhilde Jacobs (BEL)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Zoltán Baráth (HUN)	Dentistry
11:00	"Treatment possibilities for temporomandibular disorders"					Kata Kelemen
	Noémi Rózsa (HUN)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Oleh Andrukhov (AUT)	Zoltán Baráth (HUN)	Dentistry
12:00	"Advancing treatment possibilities in Oro-Maxillo-Facial rehabilitation"					János König
	Noémi Rózsa (HUN)	Zoltán Baráth (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Dentistry
14:30	"3D printing in dentistry"					Anna Németh
	János Vág (HUN)	Reinhilde Jacobs (BEL)	Zoltán Baráth (HUN)	Stjepan Špalj (CRO)	Oleh Andrukhov (AUT)	Dentistry
15:30	"Prosthodontic application of intraoral scanning systems"					Viktória Vítai
	János Vág (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Zoltán Baráth (HUN)	Dentistry
16:30	"Effects of biomaterials and prosthetic design on peri-implant hard and soft tissue health"					Péter Tajti
	János Vág (HUN)	Zoltán Baráth (HUN)	Oleh Andrukhov (AUT)	Stjepan Špalj (CRO)	Reinhilde Jacobs (BEL)	Dentistry

Participating **requires registration** for students and other interested parties alike. Please fill out the form and choose the day(s) you will attend the event.

REGISTRATION FORM