

# 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	<b>Péter Hegyi</b> Director of the Centre for Translational Medicine	
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#### FIRST CANDIDATE

9:15		<b>GERGŐ VILMOS SZABÓ</b>	Critical care & Cardiology
		<i>"Improving outcomes in acute life threatening emergencies"</i>	
		<b>Publications</b>	
		Szabó, GV. et al. Point-of-care ultrasound improves clinical outcomes in patients with acute onset dyspnea: a systematic review and meta-analysis. (2023)	
		<i>Intern Emerg Med, Q1, IF: 3.2</i>	
		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)	
		<i>Diabetes Metab Res Rev, D1, IF: 4.6</i>	

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		<b>ISTVÁN LÁSZLÓ HORVÁTH</b>	Pharma, Derma & Immuno
		<i>"Novel therapeutic options in the treatment of acute pancreatitis"</i>	
		<b>Publications</b>	
		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)	
		<i>Sci Rep, D1, IF: 4.6</i>	
		Horváth, IL. et al. No evidence for the benefit of PPIs in the treatment of acute pancreatitis: a systematic review and meta-analysis. (2023)	
		<i>Sci Rep, D1, IF: 3.8</i>	
		Horváth, IL. et al. Nafamostat Reduces the Incidence of post-ERCP Pancreatitis: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. (2024)	
		<i>Clin Pharmacol Ther, D1, IF: 6.3</i>	

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### THIRD CANDIDATE



**KATA ILLÉS**

Pharma, Derma & Immuno

*"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*

13:00



**Supervisor(s)**  
Tamás Horváth

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



**ÁDÁM CSIRZÓ**

Gynecology & Urology

*"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*

14:00



**Supervisor(s)**  
Sándor Valent

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



**MÁTYÁS VEZÉR**

Ortho, Neuro & Misc

*"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*

15:00



**Supervisor(s)**  
Tamás Terebessy

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

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



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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*



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## EIGHTH CANDIDATE



**KATA KELEMEN**

Dentistry

*"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 Prostodonth Res, D1, IF: 3.2*

11:00



**Supervisor(s)**  
Péter Hermann

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

## NINETH CANDIDATE



**JÁNOS KÖNIG**

Dentistry

*"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*

12:00



**Supervisor(s)**  
Péter Hermann

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

## TENTH CANDIDATE



**ANNA NÉMETH**

Dentistry

*"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*

14:30



**Supervisor(s)**  
Judit Borbély

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 Andrukhev (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

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## 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

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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](mailto:tmk@semmelweis.hu)