

TOTAL BODY PET 2024

POSTER PRESENTATIONS

19, 20 and 21 September 2024



	Thursday, 19 September 2024 10.30-11.00 13.00-14.00 16.00-16.30	Friday, 20 September 2024 10.10-11.00 13.00-14.00 16.00-16.30	Saturday, 21 September 2024 09.00-10.10 10.30-11.00
ABSTRACT	DETAILS		
TOP POSTERS			
	Thursday and Friday (19 and 20 September 2024) @Forum Expo, 4th Level, EXPO 1		Saturday, 21 September 2024 @Newsroom, 1st Level, NEWSROOM 1
22	MATTIA DE FRANCISCI (University of Padova, ITALY) <i>Data-driven and compartmental kinetic modeling of Total-Body [¹⁸F]FDG PET: a comparative study</i>		
23	GUOBAO WANG (University of California, Davis, US) <i>Total-body 3T parametric PET with free-state tracer kinetic modeling: application to imaging of metabolic dysfunction-associated steatohepatitis with ¹⁸F-FDG</i>		
42	LOUISA BARTH (University of Leipzig, GER) <i>Image-derived input function (IDIF) for (-)-[¹⁸F]Flubatine using a digital PET system with a long axial field of view (LAFOV)</i>		
45	WENHONG LAN (University Hospital Tuebingen, GER) <i>Impact of the Sensitivity Mode on [¹⁸F]-FDG Parametric Imaging for 65-min and 20-min abbreviated Scans with PBIF at the Biograph Vision Quadra PET/CT Scanner</i>		
73	ZEKAI LI (University Medical Center Groningen, NL) <i>Single session quantification of [¹⁵O]H₂O perfusion and 89Zr-labelled antibodies: A simulation study</i>		
POSTERS			
	Thursday and Friday (19 and 20 September 2024) @Forum Expo, 4th Level, EXPO 2		Saturday, 21 September 2024 @Newsroom, 1st Level, NEWSROOM 2
12	YIHUAN LU (United Imaging Healthcare) <i>Investigation of respiratory motion for brain imaging on uMI Panorama GS</i>		
14	TAO SUN (Chinese Academy of Sciences, CN) <i>The biodistribution difference between total-body and conventional whole-body FDG imaging: does it matter?</i>		
15	TAO SUN (Chinese Academy of Sciences, CN) <i>Distant glucose uptake measures can improve the prognosis of lung cancer patients</i>		
16	HONGMEI TANG (Huazhong University of Science and Technology, CN) <i>The feasibility of image-derived input functions from small vessels for dynamic ¹⁸F-FDG PET/CT imaging</i>		
18	CHARLOTTE SMITH (University Medical Center Amsterdam, NL) <i>Validating image-derived input functions in dynamic ¹⁸F-FDG PET scans acquired on a long-axial field-of-view PET/CT system</i>		
24	ZHI YANG (Ministry of Education/Beijing, Peking University Cancer Hospital & Institute, CN) <i>Total-body PET for development and assessment of radiopharmaceuticals for tumor diagnosis and therapy</i>		

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ABSTRACT	DETAILS
	<p style="text-align: center;">Thursday and Friday (19 and 20 September 2024) @Forum Expo, 4th Level, EXPO 3</p> <p style="text-align: right;">Saturday, 21 September 2024 @Newsroom, 1st Level, NEWSROOM 3</p>
27	LI HUO (Chinese Academy of Medical Science and Peking Union Medical College, CN) <i>From 35-cm Panorama to 148-cm Panorama GS: Preliminary Assessment of uMI Novel Whole-Body PET/CT system</i>
32	YANG WU (Tongji Hospital, Tongji Medical College of Huazhong University of Science and Technology, CN) <i>A Fast Off-line PET Proton Therapy Verification Protocol Using Total Body PET/CT: Trial from Tongji Hospital</i>
33	ABIGAIL HELLMAN (University of Edinburgh, SCT) <i>Network Analysis of Phospho1-/- Mouse Total-Body PET</i>
36	BERNADETTE ANDREWS (University of Edinburgh, SCT) <i>Using total-body PET to investigate relationships between excretory organs time activity curves and the metabolite fraction for [¹⁸F]SynVesT-1</i>
38	JIMIN HONG (Inselspital, CH) <i>Predictive Dosimetry using pre-therapy dynamic total-body PET in PSMA-RPT: A simulation study</i>
39	RABIA AZIZ (Ghent University, BELG) <i>Exploring Motion Patterns of Subjects on a Mock-up Walk-Through Total Body PET Using Infrared Localization</i>
	<p style="text-align: center;">Thursday, Friday and Saturday (19, 20 and 21 September 2024) @Forum Atrium, Ground Level, ATRIUM 1</p>
41	PIA LINDER (University Hospital Tuebingen, GER) <i>Feasibility Study on Late ⁹⁰Zr-Immuno Total-Body PET based on Patient Simulation and a Customized Longterm-stable Phantom</i>
47	AIDA NIÑEROLA-BAIZÁN (Hospital Clínic Barcelona, ES) <i>Generation of simulated Total-body PET images using realistic patient-derived activity maps</i>
49	FARANAK TAYEFIARDEBILI (Jagiellonian University, POL) <i>INVESTIGATION OF THE PERFORMANCE CHARACTERISTIC OF MODULAR J- PET</i>
50	TEVFIK KAPLANOGLU (Jagiellonian University, POL) <i>A cross-staged gantry system to utilize metabolic and anatomical imaging from different axes</i>
51	SAMA SHAHPUORI (Hanze University of Applied Science, NL) <i>Deep Learning-Based Whole Body PET Image Correction Toward Quantitative Imaging</i>
60	THIBAUT D'HULSTER (Ghent University, BELG) <i>Deep learning reconstruction from a histo-image for a flat panel total-body PET system</i>
62	WENHONG LAN (University Hospital Tuebingen, GER) <i>Fine Granularity Long-term Stability Study of Detector Performance in the Biograph Vision Quadra PET/CT Scanner: Implications for Normalization Update Frequency</i>
64	DIMITRIOS THANASAS (National and Kapodistrian University of Athens, GRC) <i>Image Reconstruction using triple coincidences in long-axial FOV PET</i>
66	SONG XUE (Medical University of Vienna, AUT) <i>Anatomical independence of total-body PET using AI-based CT-free attenuation and scatter correction</i>

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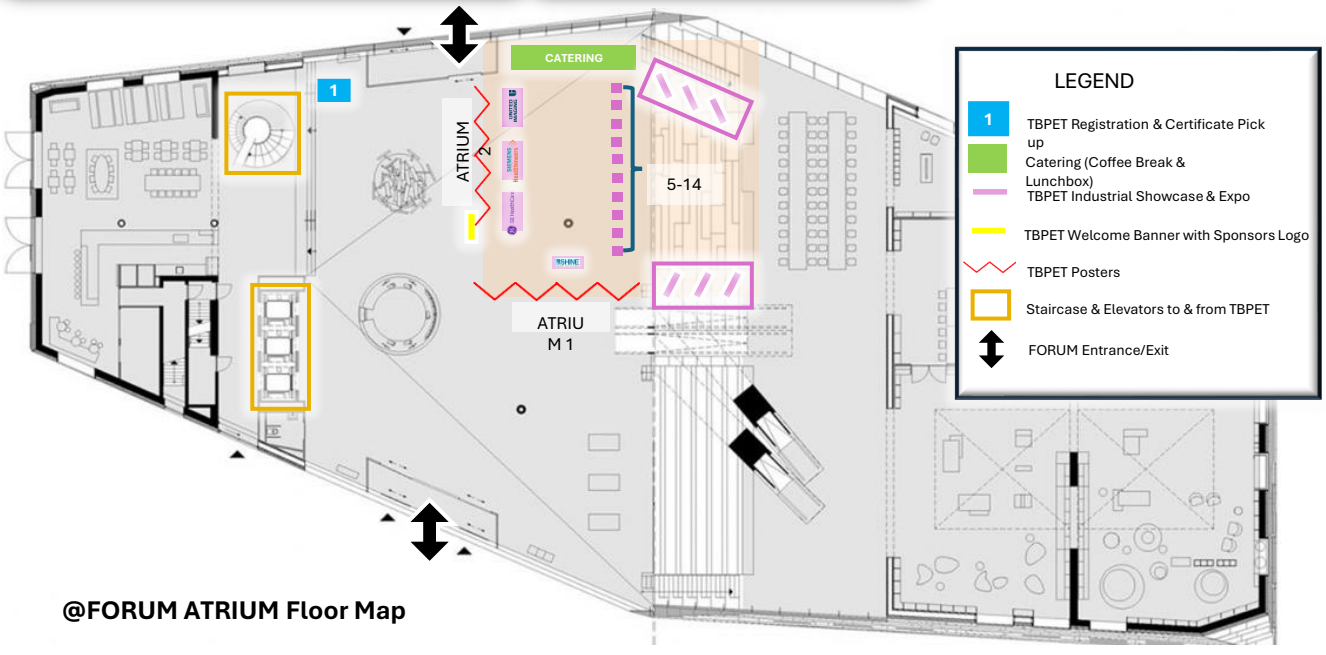


Thursday, Friday and Saturday (19, 20 and 21 September 2024)
@Forum Atrium, Ground Level, ATRIUM 2

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|----|---|
| 70 | GIORDANA SALVI DE SOUZA (University Medical Center Groningen, NL)
<i>Assessment of Blood-Brain Barrier P-glycoprotein Function in Parkinson's Disease using [¹⁸F]MC225 PET/CT</i> |
| 71 | DEEPAK BHARKHADA (University of Pennsylvania, US)
<i>Normalization Crystal Efficiency Estimation using Artificial Intelligence</i> |
| 74 | KEYVAN TAYEFI ARDEBILI (Jagiellonian University, POL)
<i>Optimizing Costs of the Total-Body J-PET Scanner as a function of the TOF resolution</i> |
| 75 | PHILIPP MOHR (University Medical Center Groningen, NL)
<i>Quantitative analysis of multiple-time-point ⁸⁹Zr-immunoPET studies</i> |
| 76 | MOSTAFA ROYA (University of Groningen, University Medical Center Groningen, NL)
<i>Breath-hold PET/CT acquisition protocols for detection of small lung nodules</i> |
| 79 | LAURA PROVIDÊNCIA (University Medical Center Groningen, NL)
<i>Non-invasive quantification of [¹⁸F]MC225 brain studies</i> |
| 80 | VALENTINA TURMACU (University of Groningen, NL)
<i>Comparing short versus long axial field-of-view brain PET imaging – a phantom study</i> |
| 81 | OLEKSANDRA IVASHCHENKO (University Medical Center Groningen, NL)
<i>Establishing New Dose Limits in Pediatric and Pregnant Patient Imaging with Long Axial Field of View PET/CT</i> |

3 Industrial Showcase, Industrial Exhibition & Poster Sessions
@ FORUM ATRIUM, Ground Floor

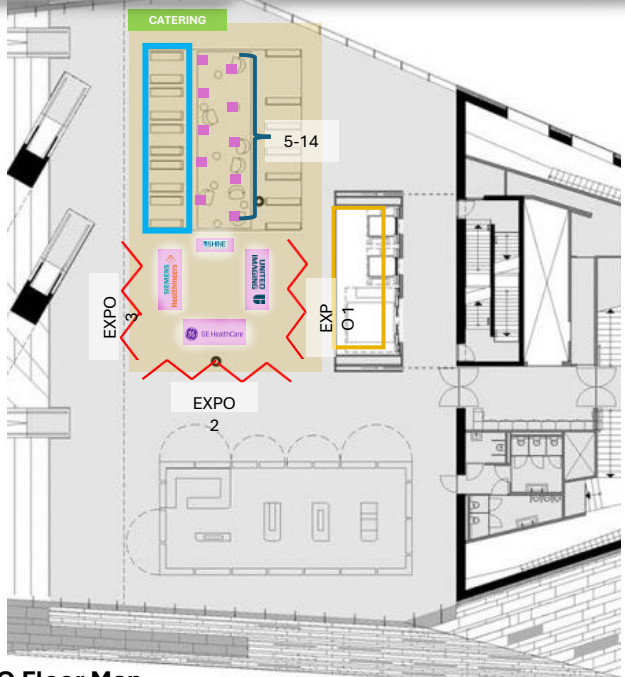
LAYOUT for 19, 20, 21 September 2024



@FORUM ATRIUM Floor Map

3 Industrial Exhibition & Poster Sessions
@ FORUM EXPO, 4th Level

LAYOUT for 19-20 September 2024



LEGEND

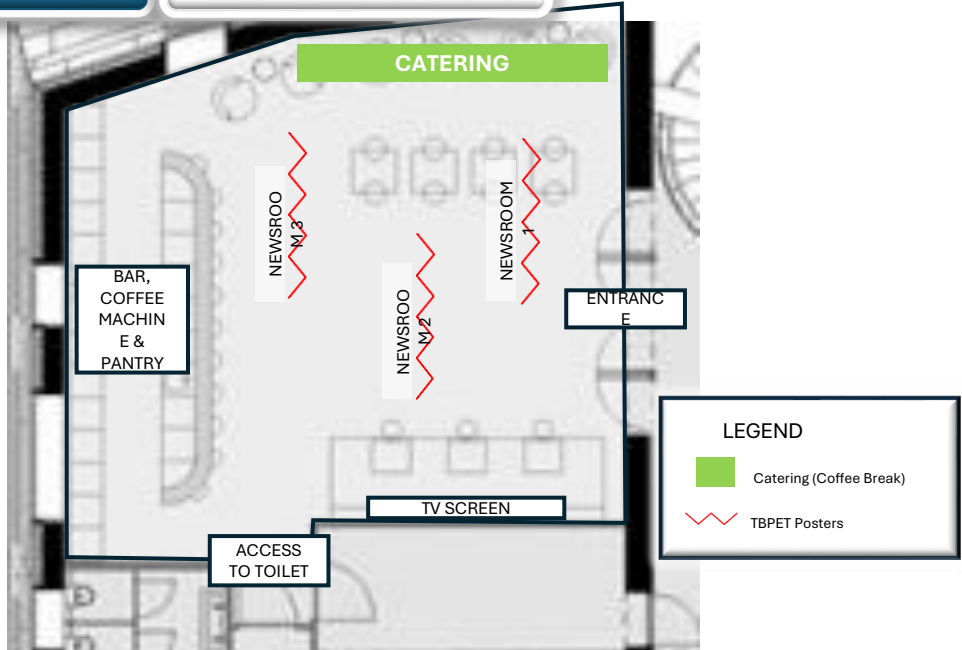
- Diamond Sponsor Expo Space
- Crystal Sponsor Expo Space
- Eco Sponsor Expo Space
- TBPET Posters
- Catering (Coffee Break)
- TBPET Seating area for small networking
- Elevators to & from TBPET

@FORUM EXPO Floor Map

3

Poster Sessions
@ NEWSROOM, 1st Level

LAYOUT for 21 September 2024



NEWSROOM Floor Map