

**EANM 2020**

# Scientific sessions of interest

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Thursday, October 22, 2020

Time (CEST)	Channel	Session	Title/Author
1:30 pm - 3:00 pm	6	106 Cutting Edge Science Track – TROP Session: Quantification	<b>OP-028 An international quantitative SPECT/CT imaging exercise for Lu-177</b> J. Tran-Gia, A. P. Robinson, N. Calvert, A. M. Denis-Bacelar, A. J. Fenwick, K. M. Ferreira, D. Finocchiaro, F. Fioroni, J. Grassi, W. Heetun, S. J. Jewitt, T. Kalathas, M. Kotzasarlidou, M. Ljungberg, D. R. McGowan, J. Scuffham, K. Sjögren Gleisner, J. Tipping, J. Wevrett, M. Lassmann
1:30 pm - 3:00 pm	6	106 Cutting Edge Science Track – TROP Session: Quantification	<b>OP-031 Verification of xSPECT Quant for Quantitative 123I-mIBG SPECT/CT Imaging</b> K. Baete, M. Sevenois, E. Pauwels, C. M. Deroose
1:30 pm - 3:00 pm	6	106 Cutting Edge Science Track – TROP Session: Quantification	<b>OP-034 Quantitation of small lesions by routine PET imaging protocols in Finland</b> J. Liukkonen, O. Sipilä, T. Tolvanen, H. Halme, M. Hakulinen, T. Kangasmaa, A. Kangasmäki, A. Manninen, T. Ollikainen, A. Sohlberg, K. Tahvanainen, V. Tunninen, J. Vuorela
1:30 pm - 3:00 pm	8	108 Clinical Oncology Track – Featured Session: Prostate Beyond Staging and Restaging	<b>OP-053 Evaluation of <sup>68</sup>Ga-PSMA PET/CT images acquired with a reduced scan time duration in prostate cancer patients using a digital PET/CT scanner</b> M. Weber, R. Hofferber, K. Herrmann, W. P. Fendler, M. Conti, A. Wetter, D. Kersting, C. Rischpler, W. Jentzen, P. Costa
1:30 pm - 3:00 pm	9	109 TROP Session: Therapeutic Options in Thyroid Cancer – Radioiodine and Beyond	<b>OP-056 PRRT with the CCK-2 receptor agonist <sup>177</sup>Lu-PP-F11N - First results of a phase 1 “LUMED” study</b> C. Rottenburger, G. Nicolas, L. McDougall, M. Fürstner, M. Hentschel, F. Kaul, E. R. Christ, M. Cachovan, H. A. Vija, R. Schibli, S. Geistlich, M. Béhé, D. Wild

Thursday, October 22, 2020 (continued)

Time (CEST)	Channel	Session	Title/Author
1:30 pm - 3:00 pm	11	111 e-Poster Presentation Session 1: PET Diagnostics - Part 1	<b>EPS-017 Low-activity digital PET emulation from decimated statistics applied to lung nodules detection</b> M. Jreige, S. Gnesin, P. Schleyer, M. Conti, J. O. Prior
4:35 pm - 6:05 pm	11	311 e-Poster Presentation Session 2: PET Diagnostics - Part 2	<b>EPS-021 Predictive value of <sup>18</sup>F-FDG PET/CT based metabolic parameters in patients with non-small cell lung cancer treated with stereotactic body radiation therapy</b> L. García Belaústegui, M. Alcántara, R. Couto Caro, M. García García-Esquinas, J. Corona, J. Carreras Delgado
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-077 A game changer for the future of PET</b> D. Visvikis
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-078 Marie Curie Lecture: Physics and development of total body PET</b> S. Cherry
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-079 Is Dynamic PET imaging ready for prime time?</b> I. Buvat
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-080 Drug development and evaluation with total body PET</b> J. Czernin
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-081 Scientific opportunities and their use</b> B. Pichler
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-082 Challenge for technologists</b> A. Santos
3:10 pm - 4:25 pm	1	Plenary 1 (including Marie Curie Lecture): Total Body PET	<b>OP-083 A must have or another expensive luxury tool?</b> K. Herrmann

Friday, October 23, 2020

Time (CEST)	Channel	Session	Title/Author
9:00 am - 10:30 am	6	406 Cutting Edge Science Track - Featured Session - Patient Radiation Protection	<b>OP-165 Optimising CT scan range and dose levels for diagnosis of bone metastases for <sup>18</sup>F-NaF PET-CT</b> P. Holdgaard, N. A. Bebbington
9:00 am - 10:30 am	10	410 Featured Session: Molecular Bone Imaging - Nuclear Medicine's Swiss Army Knife!	<b>OP-201 Tc-99m-diphosphonate bone scan quantification: Fibrous dysplasia versus metastasis of prostate cancer</b> M. Jreige, F. Becce, B. Rozier Aubry, N. Schaefer, J. O. Prior, M. Nicod-Lalonde
10:40 am - 12:10 pm	6	506 Cutting Edge Science Track - TROP Session: New Technologies and Imaging Techniques	<b>OP-230 Simulation and first measurements of a prototype ultra-long FOV PET/CT scanner</b> M. Conti, M. Aykac, H. Bal, B. Bendriem, D. Bharkhada, J. Cabello, L. Eriksson, V. Panin, H. Rothfuss, S. Siegel
10:40 am - 12:10 pm	6	506 Cutting Edge Science Track - TROP Session: New Technologies and Imaging Techniques	<b>OP-232 Clinical impact of fully automated multiparametric PET imaging using direct Patlak reconstruction: Evaluation of 100 dynamic whole-body <sup>18</sup>F-FDG PET/CT scans</b> A. H. Dias, M. F. Pedersen, H. Danielsen, O. L. Munk, L. C. Gormsen
10:40 am - 12:10 pm	6	506 Cutting Edge Science Track - TROP Session: New Technologies and Imaging Techniques	<b>OP-233 Use of population input functions for FDG whole-body Patlak imaging</b> J. van Sluis, M. Yaqub, A. H. Brouwers, W. Noordzij, R. Boellaard
1:50 pm - 3:20 pm	4	604 Technologists Oral Presentations 1 - Featured Session: MATTER - Multidisciplinary Technologist Research	<b>OP-296 The effect of Artificial Intelligence (AI) on lung perfusion SPECT-CT segmentation analysis</b> A. Willems van Beveren, G. T. Nauta, A. van Erp-Zeilstra, A. Heus, J. Pruim
1:50 pm - 3:20 pm	5	605 M2M Track - Featured Session: Immune and Microenvironment Imaging	<b>OP-307 FAPI PET/CT: Tracer- biodistribution in patients with head and neck-, lung-, pancreatic- and colorectal-cancer</b> F. Staudinger, J. Schlittenhardt, T. Lindner, H. Rathke, M. Röhrich, S. Körber, J. Debus, C. Kratochwil, U. Haberkorn, F. Giesel
4:55 pm - 6:25 pm	4	804 Technologists e-Poster Presentation Session 1	<b>TEPS-07 Normal values of <sup>201</sup>Tl myocardial uptake at stress using a CZT SPECT and IQ-SPECT</b> A. Matsumoto, S. Yoshimura, S. Tomiguchi, S. Shiraishi, Y. Nakamura, H. Sakamoto

Saturday, October 24, 2020

Time (CEST)	Channel	Session	Title/Author
10:40 am - 12:10 am	6	1006 Cutting Edge Science Track - TROP Session: AI - Radiomics and Modelling	<b>OP-549 Whole-body lesion detection and prostate cancer staging in <sup>68</sup>Ga-PSMA-11 PET/CT using deep learning</b> N. Capobianco, A. Gafita, G. Platsch, L. Sibille, B. Spottiswoode, M. Eiber, W. A. Weber, N. Navab, S. G. Nekolla
10:40 am - 11:40 am	7	1007 Teaching Session 4: Using Nodal Knowledge to Improve PET/CT Reporting for Lymphoma, Lung and Head/Neck Cancer	<b>OP-565 Effectiveness of high-dose <sup>131</sup>I-MIBG as consolidation therapy for the patients with high-risk neuroblastoma</b> A. Inaki, R. Kuroda, H. Wakabayashi, N. Akatani, T. Yamase, Y. Kunita, S. Watanabe, T. Hiromasa, H. Mori, S. Saito, Y. Ikawa, D. Kayano, S. Kinuya
10:40 am - 11:40 am	7	1007 Teaching Session 4: Using Nodal Knowledge to Improve PET/CT Reporting for Lymphoma, Lung and Head/Neck Cancer	<b>OP-567 Feasibility, biodistribution and preliminary dosimetry in Peptide-Targeted Radionuclide Therapy (PTrT) of diverse adenocarcinomas using <sup>177</sup>Lu-FAP-2286: First-in-human results</b> H. Kulkarni, C. Smerling, C. Schuchardt, A. Singh, F. Robiller, M. Chantadisai, A. Eismant, D. Mueller, D. Zboralski, F. Osterkamp, A. Hoehne, U. Reineke, R. P. Baum
10:40 am - 12:10 pm	11	1011 e-Poster Presentation Session 7: Nuclear Medicine for Infection & Inflammation - The Story Continues	<b>EPS-103 The role of nuclear medicine imaging with <sup>18</sup>F-FDG PET/CT, combined <sup>111</sup>In-WBC/<sup>99m</sup>Tc-Nanocoll and <sup>99m</sup>Tc-HDP SPECT/CT in evaluation of patients with chronic problem after TKA or THA in a prospective study</b> R. Aleksyniene, V. Iyer, H. C. Bertelsen, M. Frost, V. Khalid, H. C. Schønheyder, L. H. Larsen, P. T. Nielsen, A. Kappel, T. R. Thomsen, J. Lorenzen, I. Ørsted, O. Simonsen, P. L. Jordal, S. Rasmussen3 PRIS Study Group
9:00 am - 10:30 am	11	911 e-Poster Presentation Session 6: Physics - Hardware and Optimisation	<b>EPS-090 Emission time optimisation for [68Ga]Ga-PSMA-11 with a SiPM PET/CT based on phantom measurements</b> P. Fragoso Costa, W. Jentzen, F. Süßelbeck, W. P. Fendler, C. Rischpler, K. Herrmann, M. Conti, D. Kersting, M. Weber
9:00 am - 10:30 am	11	911 e-Poster Presentation Session 6: Physics - Hardware and Optimisation	<b>EPS-093 Emission time reduction for 2-[18F]FDG examinations in lymphoma patients with a PET/CT with SiPM - a feasibility phantom study</b> P. Fragoso Costa, A. Bramer, M. Weber, D. Kersting, M. Conti, W. P. Fendler, C. Rischpler, K. Herrmann, W. Jentzen
9:00 am - 10:30 am	11	911 e-Poster Presentation Session 6: Physics - Hardware and Optimisation	<b>EPS-119 Incidental findings suggestive of COVID-19 pneumonia in asymptomatic patients derived to <sup>18</sup>F-FDGPET/CT. Preliminary results obtained in a reference single center during the pandemic in Spain</b> A. Blanes, C. G. Wakfie Corieh, R. Valhondo Rama, L. García Beláustegui, M. N. Cabrera Martín, C. Rodríguez Rey, R. Couto Caro, A. Ortega Candil, M. García García-Esquinas, F. Ferrando-Castagnetto, J. L. Carreras Delgado

## Thursday, October 29, 2020

Time (CEST)	Channel	Session	Title/Author
1:30 pm - 3:00 pm	8	1108 Clinical Oncology Track - TROP Session: Detecting BCR with [68Ga]Ga-PSMA	<b>OP-643 The influence of digital PET/CT on diagnostic certainty and interrater reliability in <sup>68</sup>Ga-PSMA-11 PET/CT for recurrent prostate cancer</b> I. Alberts, J. Hünermund, C. Sachpekidis, C. Mingels, V. Fech, K. Bohn, A. Rominger, A. Afhsar-Oromieh
4:35 pm - 6:05 pm	9	1309 Hot Topic Session - Best Clinical Trials	<b>OP-499 Characteristics of the relationship between MTV and survival in diffuse large B-cell lymphoma - A PETRA consortium study</b> N. Mikhaeel, M. W. Heymans, H. C. W. de Vet, J. J. Eertink, R. Boellaard, U. Dührsen, A. Hüttmann, C. Schmitz, L. Ceriani, E. Zucca, O. S. Hoekstra, J. M. Zijlstra, S. Barrington

## Friday, October 30, 2020

Time (CEST)	Channel	Session	Title/Author
9:00 am - 10:30 am	2	1402 Joint Symposium 21 (EANM/IEEE): Total Body PET Imaging	<b>OP-739 Opportunities and challenges for dynamic imaging with total body PET</b> D. Visvikis
9:00 am - 10:30 am	2	1402 Joint Symposium 21 (EANM/IEEE): Total Body PET Imaging	<b>OP-740 New opportunities and clinical investigations that a total body PET can offer</b> R. Boellaard
9:00 am - 10:30 am	2	1402 Joint Symposium 21 (EANM/IEEE): Total Body PET Imaging	<b>OP-741 Applications for exploring serotonergic receptors and drugs in the periphery and central nervous system</b> H. Hansen
9:00 am - 10:20 am	6	1406 Cutting Edge Science Track - TROP Session: Dosimetry for PRRT and PSMA	<b>OP-771 Quantitative SPECT imaging for Ac-225-based radionuclide therapy: a phantom feasibility study and first patient trial</b> A. Gosewisch, M. Schleske, F. J. Gildehaus, A. Todica, J. Brosch, L. Kaiser, P. Bartenstein, H. Ilhan, G. Böning
9:00 am - 10:30 am	10	1410 TROP Session: General Nuclear Medicine	<b>OP-799 SPECT-CT optimization of lung perfusion quantification</b> S. Menendez Sanchez, E. Carrillo Villamizar, A. Cardozo Saavedra, R. Bellviure Meiro, S. Aguade, J. Castell

Friday, October 30, 2020 (continued)

Time (CEST)	Channel	Session	Title/Author
9:00 am - 10:30 am	11	1411 e-Poster Presentation Session 9: Physics - Software and Image Processing	<b>EPS-138 TOF resolution assessment based on time alignment procedure</b> V. Panin, D. Bharkhada, H. Rothfuss
10:40 am - 12:10 pm	6	1506 Cutting Edge Science Track - TROP Session: Image Reconstruction and Corrections	<b>OP-834 The prevalence and severity of image degradation from motion in rest-stress rubidium-82 PET on a SiPM PET-CT system</b> I. Armstrong, M. Memmott, C. Hayden, P. Arumugam
10:40 am - 12:10 pm	6	1506 Cutting Edge Science Track - TROP Session: Image Reconstruction and Corrections	<b>OP-838 Effect of a motion correction algorithm on malignant lung nodule uptake: in comparison to ordinary and breath-hold PET/CT</b> M. Jreige, S. Gnesin, P. Schleyer, M. Conti, J. O. Prior
10:40 am - 12:10 pm	6	1506 Cutting Edge Science Track - TROP Session: Image Reconstruction and Corrections	<b>OP-845 Data-driven respiratory SPECT-Gating for pre-radio-embolization determination of liver-lung-shunt fraction</b> P. Ritt, K. Seidl, M. Cachovan, A. H. Vija, T. Kuwert
10:40 am - 12:10 pm	9	1509 TROP Session: Is It or Is It Not Malignant? - Diagnostic/Predictive Options in Thyroid Nodules	<b>OP-869 Comparison of lesion detectability and image quality among digital and analog PET systems for recurrence in thyroid cancer patients using I-124</b> D. Kersting, M. Weber, M. Sraieb, P. Fragoso Costa, L. Umutlu, C. Rischpler, W. P. Fendler, M. Conti, K. Herrmann, W. Jentzen
3:30 pm - 5:00 pm	6	1706 Cutting Edge Science Track - TROP Session: AI - Image Processing and Data Corrections	<b>OP-964 An automated method for locating a liver reference region in PET/CT scans</b> A. Goddard, G. Platsch, C. Gall, L. Sibille, B. Spottiswoode, V. Shah

## E-Poster

Channel	Session	Title/Author
e-Poster Area	EP-07 Imaging Clinical Studies/ Cardiovascular Imaging Clinical Study/ Heart Failure (including Sarcoidosis and Amyloidosis)	<b>EP-032 Volumetric evaluation of <sup>99m</sup>Tc-pyrophosphate SPECT/CT in the diagnosis of transthyretin cardiac amyloidosis</b> S. Watanabe, K. Nakajima, H. Yoneyama, H. Wakabayashi, A. Inaki, T. Konishi, J. Komatsu, S. Yoshida, S. Kinuya
e-Poster Area	EP-14 Imaging Clinical Studies/ Oncological Imaging Clinical Study/ Colorectal	<b>EP-094 <sup>18</sup>F-FDG PET/CT metabolic tumor burden in primary staging of colorectal cancers</b> E. Etchebehere, J. S. Fonseca, A. O. Santos, M. C. L. Lima, M. S. Mendes, M. N. Silveira, B. J. Amorim, C. R. Martinez, L. P. Cunha, P. Fanti, J. B. Carvalheira
e-Poster Area	EP-26 Imaging Clinical Studies/ Other Imaging Clinical Studies/ Other Clinical Studies	<b>EP-195 Exploratory study of the utility of clinical images with half dose <sup>18</sup>F-FDG in a Biograph Vision PET/CT system</b> S. Tagawa, A. Ohnishi, A. Ohhashi, K. Hayashi, M. Nobuhara, N. Sakamoto, T. Nakamura
e-Poster Area	EP-43 Technical Studies/ Radiation Protection/ Radiation Exposure and Protection	<b>EP-306 Estimation of conversion factors for quality reference mAs for child to adult reference patient in child SPECT-CT protocols</b> S. Hansen, N. Bebbington

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