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Antonello Spinelli CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	SPINELLI
NOME	ANTONELLO
DATA DI NASCITA	23, Giugno, 1974

Nationality: Italian

Working Address: Experimental Imaging Centre, IRCCS Ospedale San Raffaele,
Via Olgettina 60, 20132 Milan, Italy

Website: https://www.researchgate.net/profile/Antonello_Spinelli

Undergraduate Education

1999: M.Sc. degree in Physics of Bio-systems (Laurea in Fisica dei Biosistemi) at Insubria University (former University of Milan section of Como).

Thesis: Image quality physical parameters for stereotactic multi-modal planning

Supervisors: Prof. Alessandra Andreoni, Prof. Alberto Torresin.

Post Graduate Education

2000-2003: Ph.D. degree in Medical Physics at the Institute of Cancer Research, University of London, UK.

Project title: Quantitative dynamic imaging using positron emission tomography. Supervisors: Prof. Robert J Ott, Prof. Gail R ter Haar.

2005-2009: School of Specialization in Medical Physics, University of Bologna, Italy.

Project title: Image reconstruction for phase contrast CT images.

Visited research centers: May-August 2003, Montreal Neurological Institute, McGill University, Canada.

Student Awards

Scholarships: 1994, 1995 Scholarship (based on university marks) from the Institute for University studies

of Milan.

Working Experience

January-June 2004: Institute of Nuclear Medicine, University College London, UK.

January 2004-January 2005: Consultant for GE Healthcare Bio-Sciences, London, UK.

February 2005-November 2008: Small animals PET and CT imaging Physicist, Molecular imaging group, S. Orsola Hospital, Bologna, Italy.

December 2008-December 2013: Researcher, Medical Physics Department, IRCCS San Raffaele, Milan, Italy.

December 2013-Present: Small animals optical and CT imaging research coordinator, Experimental Imaging Centre, IRCCS San Raffaele, Milan, Italy.

Grants

Principal Investigator of the following grant: Development of optical methods for preclinical imaging using radiotracers.

Funding body: Italian Ministry of Health, young investigator grant, GR2010-2309585.

The grant was awarded on a competitive base after international peer review.

Period: 2012-2015.

Amount funded: 371.200 euro.

Scientific awards

Galileo Galilei Award, best publication in the European Journal of Medical Physics (EJMP) in 2015 for the paper:

Novel biomedical applications of Cerenkov radiation and radioluminescence imaging, Physica Medica, Volume 31, Issue 2, 2015.

Skills

Laboratory skills: Good knowledge of optical imaging equipment for in vivo imaging and strong experience in developing new imaging devices. Good knowledge of preclinical small animals imaging techniques (optical, PET, CT, MRI), good knowledge of radioisotopes and small animals handling. Strong experience in working in a multidisciplinary molecular imaging laboratory.

Computing skills: Good knowledge of windows environment, internet applications, Latex. Knowledge of Unix and Linux. Good knowledge of IDL (interactive data language) environment and several image analysis software. knowledge of MATLAB.

Languages: Italian (mother tongue), English (fluent written and spoken).

Academic Activities

Associate professor habilitation: Applied Physics (to biology and medicine, SSD FIS/07) from: 04 April 2017.

Lecturer: Physics applied to radiation (SSD FIS/07), Faculty of Medicine, University of Bologna for the academic years: 2008, 2009, 2010, 2011.

Supervised students: M.Sc. Degree in Physics, University of Bologna

Daniela D'Ambrosio, project title: Characterization of the physical performance of a small animal PET

scanner.

Sara Domenichelli, project title: Quantitative dynamic PET imaging using cluster analysis. Pasquale Cilibrizzi, project title: Novel iterative algorithms for small animal PET images.

M.Sc. Degree in bio-engineering, University of Bologna

Luca Guerrieri, project title: Partial volume correction of positron emission images using the wavelet transform.

Gianluca Borghini, project title: Image analysis of small animal PET and CT images.

Giacomo Fiacchi, project title: Quantitative cardiac imaging using small animal PET and CT tomographs.

Referee: Referee for the following journals: Physics in Medicine and Biology, Medical Physics, International journal of radiation oncology biology physics, Molecular imaging and Biology, Journal of Nuclear Medicine, Biomedical Optics Express, Journal of Biomedical Optics, Optics Letters, Chemical Communications, Physica Medica, PlosOne, Analyst.

Past and Present Collaborations

Small animal PET imaging and dosimetry

Dr. Mike Partridge, Dr. Antigoni Divoli, Dr. Glenn Flux

Joint Department of Physics, The Institute of Cancer Research, London, UK

Development of Cerenkov and Radioluminescence imaging,

Dr. Federico Boschi, Prof. Alberto Fenzi, Prof. Pasquina Marzola, Prof. Andrea Sbarbati,

Dr. Mirco Galiè

Department Anatomy, University of Verona, Italy

Monte Carlo simulations for Cerenkov imaging in radiotherapy

Dr. Sergio Lo Meo, Dr. Tiziano Rovelli

Department of Physics, University of Bologna, Italy

Small animal Cerenkov tomography

Dr. Chaincy Kuo, Dr. Brad Rice

Research and Development Perkin Elmer (former Caliper Life Sciences), USA

Optical imaging of gamma emitters

Dr. Matteo Salgarello, Dr. Giancarlo Gorgoni

Department of Nuclear Medicine, Ospedale Sacro Cuore Don Calabria, Negrar, Italy

Monte Carlo simulations for preclinical Cerenkov imaging

Prof. Alberto Del Guerra, Dr. Nicola Belcari

Department of Physics, University of Pisa, Italy

Cerenkov imaging on patients

Dr. Marta Cremonesi, Dr. Mahila Ferrari

Medical Physics Department, European Institute of Oncology (IEO), Milan, Italy

Cerenkov imaging on ex vivo tumor tissues

Dr. Marco Schiariti

Neurosurgery Carlo Besta Institute, Milan, Italy

Monte Carlo simulations for Cerenkov dosimetry,

Prof. Nicole Akerman, Agnes Scott College, Atlanta, USA

Research entrusted by research institutions

Principal investigator of research line 8.6 Cerenkov luminescence imaging, Ospedale San Raffaele, Milan.

Coordinator for small animal Optical and CT imaging, Ospedale San Raffaele, Milan.

Invited Talks

Modelli Computazionali per Elaborare Oggetti Visuali e Conoscenze in Ambito Biomedico Università degli studi dell'Insubria (29/09/2006, Varese).

Quantitation and molecular imaging, meeting on: new trends in molecular imaging (24/09/2007, Bologna).

Molecular imaging using small animal PET and CT tomographs, Leuven University (11/04/2007, Leuven, Belgium).

Small animals optical imaging of alpha, beta and gamma emitters, Perkin Elmer users meeting, (11/06/2012, London, UK).

Optical imaging of alpha, beta and gamma emitters in vitro and in vivo results (02/05/2012 Strasbourg University, France).

Looking into biology in vivo using Cerenkov radiation, Perkin Elmer users meeting (05/03/2013, Brussel, Belgium).

Optical imaging of radionuclides, Congress of the Italian Association of Medical Physics (16/11/2013 Turin, Italy).

Optical and Cerenkov imaging, International Workshop on Imaging (07/09/2015, Varenna, Italy).

Tumor imaging using Cerenkov light: preclinical and clinical applications, surgical oncology international conference (09/09/2015, Napoli, Italy).

An overview of biomedical imaging using Cerenkov radiation: from mouse to man, Department of Physics, University of Ferrara (26/05/2016, Ferrara).

Biomedical imaging using Cerenkov radiation, Department of Physics, University La Sapienza (13/06/2016, Rome).

Potentials of Cerenkov imaging in radiotherapy, ESTRO 36 annual meeting (08/05/2017, Vienna).

Technology transfer

Development of a prototype for optical radionuclide imaging with the company MecMurphil, (Ferrara). The prototype was presented at the XI National Congress of the Italian Association of Nuclear Medicine and Molecular Imaging (AIMN) at the Lingotto Congress Center (1-4 March 2013, Turin).

Publications

Data from Scopus database (accessed on 22 May 2017)

<https://www.scopus.com/authid/detail.uri?authorId=15822759700#>

Author ID: 15822759700


Total Citations=688

H index=16

Articles=43

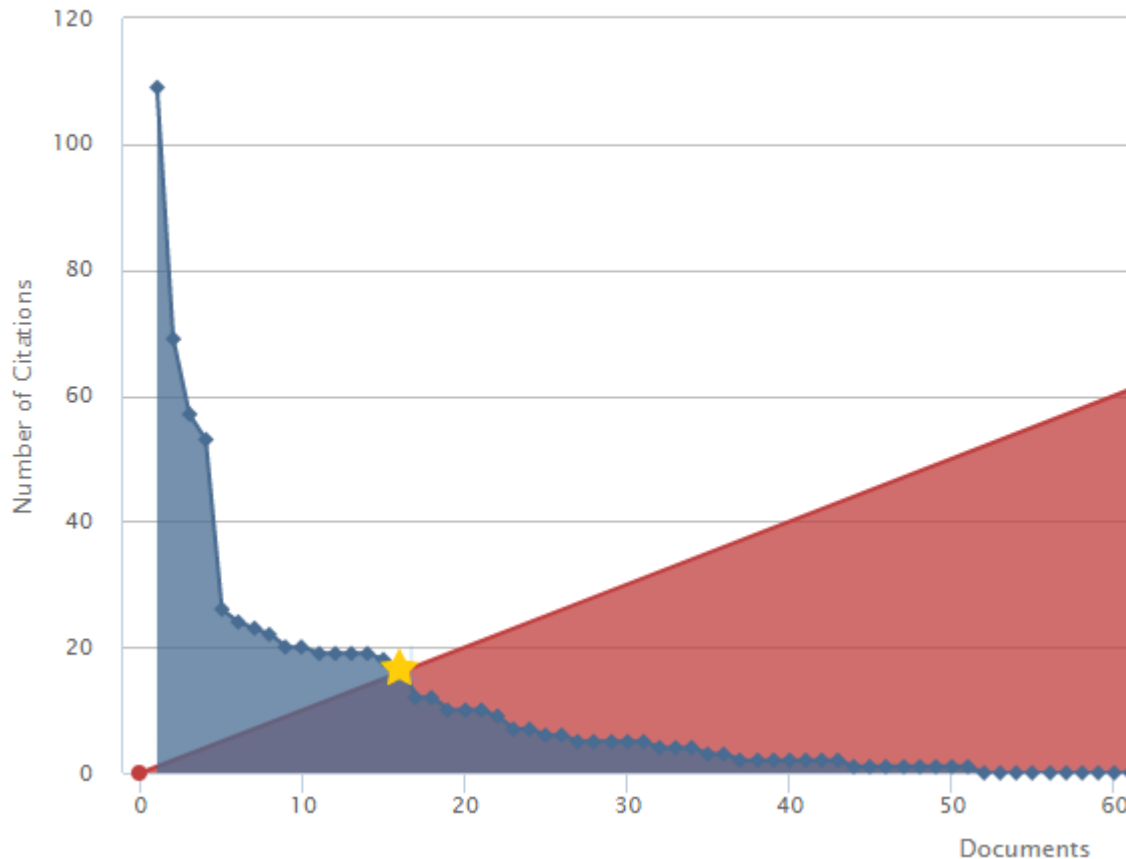
Conference papers=18

Below it is possible to find more details:

Documents	Citations 	Title
1	109	Cerenkov radiation allows in vivo o...
2	69	First human cerenkography
3	57	Multispectral Cerenkov luminescen...
4	53	In vivo ¹⁸ F-FDG tumour uptake me...
5	26	Retro-orbital injection is an effectiv...
6	24	Cherenkov radiation imaging of be...
7	23	Novel biomedical applications of C...
8	22	Epithelial and mesenchymal tumor...
9	20	Optical imaging of tc-99m-based tr...
10	20	Combined optical and single photo...
11	19	Contouring variability of the penile ...
12	19	Optical imaging of radioisotopes: A...
13	19	Optimizing in vivo small animal Ce...
14	19	The effect of β^+ energy on perform...
15	18	Optical imaging of alpha emitters: ...
16	17	FDG small animal PET permits ear...
17	12	Small-animal radionuclide lumines...
18	12	Assessment of a chemically induce...
19	10	Quantum dots excitation using pur...

This author's *h*-index is 16

The *h*-index is based upon the number of documents and number of citations.



Peer-reviewed articles

Gigliotti, C.R., Altabella, L., Boschi, F., Spinelli, A.E.

Monte Carlo feasibility study for image guided surgery: From direct beta minus detection to Cerenkov luminescence imaging

(2016) Journal of Instrumentation, 11 (7), art. no. P07021

Spinelli, A.E., Boschi, F.

Bremsstrahlung radiation detection for small animal imaging using a CCD detector

(2016) Physica Medica, 32 (5), pp. 706-708.

Migliavacca, J., Percio, S., Valsecchi, R., Ferrero, E., Spinelli, A., Ponzoni, M., Tresoldi, C., Pattini, L., Bernardi, R., Coltella, N.

Hypoxia inducible factor-1B regulates a pro-invasive phenotype in acute monocytic leukemia

(2016) Oncotarget, 7 (33), pp. 53540-53557.

Spinelli, A.E., Schiariti, M.P., Grana, C.M., Ferrari, M., Cremonesi, M., Boschi, F.

Cerenkov and radioluminescence imaging of brain tumor specimens during neurosurgery

(2016) Journal of Biomedical Optics, 21 (5), art. no. 050502.

Boschi, F., Pagliazzi, M., Spinelli, A.E.

Cerenkov luminescence imaging of human breast cancer: A Monte Carlo simulations study

(2016) Journal of Instrumentation, 11 (3), art. no. C03032.

Cappato, S., Tonachini, L., Giacomelli, F., Tirone, M., Galletta, L.J.V., Sormani, M., Giovenzana, A., Spinelli, A.E., Canciani, B., Brunelli, S., Ravazzolo, R., Bocciardi, R.
High-throughput screening for modulators of ACVR1 transcription: Discovery of potential therapeutics for fibrodysplasia ossificans progressiva
(2016) DMM Disease Models and Mechanisms, 9 (6), pp. 685-696.

Altabella, L., Boschi, F., Spinelli, A.E.
Pixel-based parametric source depth map for Cerenkov luminescence imaging
(2016) Journal of Instrumentation, 11 (1), art. no. C01048.

Mezzapelle, R., Rrapaj, E., Gatti, E., Ceriotti, C., De Marchis, F., Preti, A., Spinelli, A.E., Perani, L., Venturini, M., Valtorta, S., Moresco, R.M., Pecciarini, L., Doglioni, C., Frenquelli, M., Crippa, L., Recordati, C., Scanziani, E., De Vries, H., Berns, A., Frapolli, R., Boldorini, R., D'Incalci, M., Bianchi, M.E., Crippa, M.P.
Human malignant mesothelioma is recapitulated in immunocompetent BALB/c mice injected with murine AB cells
(2016) Scientific Reports, 6, art. no. 22850.

Altabella, L., Gigliotti, C.R., Perani, L., Crippa, M.P., Boschi, F., Spinelli, A.E.
High resolution in vitro bioluminescence imaging using a multimodal optical system
(2016) Journal of Instrumentation, 11 (1), art. no. C01035.

Spinelli, A.E., Gigliotti, C.R., Boschi, F.
Unified approach for bioluminescence, Cerenkov, β , X and γ rays imaging
(2015) Biomedical Optics Express, 6 (6), pp. 2168-2180.

Spinelli, A.E., Boschi, F.
Novel biomedical applications of Cerenkov radiation and radioluminescence imaging
(2015) Physica Medica, 31 (2), pp. 120-129. Cited 23 times

Spinelli, A.E., Pagliuzzi, M., Boschi, F.
Design of a multimodal fibers optic system for small animal optical imaging
(2015) Physica Medica, 31 (1), pp. 108-111.

Spinelli, A.E., Boschi, F.
Human cerenkov imaging using 18F-FDG
(2014) Journal of Nuclear Medicine, 55 (3), p. 523.

Boschi F, Spinelli A E Cerenkov Luminescence Imaging at a glance.
Curr Mol Imm (2014).

Pagliuzzi, M., Boschi, F., Spinelli, A.E.
Imaging of luminescence induced by beta and gamma emitters in conventional non-scintillating materials
(2014) RSC Advances, 4 (26), pp. 13687-13692.

Crippa, S., Salgarello, M., Laiti, S., Partelli, S., Castelli, P., Spinelli, A.E., Tamburrino, D., Zamboni, G., Falconi, M.
The role of 18fluoro-deoxyglucose positron emission tomography/computed tomography in resectable pancreatic cancer
(2014) Digestive and Liver Disease, 46 (8), pp. 744-749.

Spinelli, A.E., Ferdeghini, M., Cavedon, C., Zivelonghi, E., Calandrino, R., Fenzi, A., Sbarbati, A., Boschi, F.
First human cerenkography
(2013) Journal of Biomedical Optics, 18 (2), art. no. 020502.

Boschi, F., Pagliazzi, M., Rossi, B., Cecchini, M.P., Gorgoni, G., Salgarello, M., Spinelli, A.E.
Small-animal radionuclide luminescence imaging of thyroid and salivary glands with Tc99m-pertechnetate
(2013) *Journal of Biomedical Optics*, 18 (7), art. no. 076005.

D'Ambrosio, D., Zagni, F., Spinelli, A.E., Marengo, M.
Attenuation correction for small animal PET images: A comparison of two methods
(2013) *Computational and Mathematical Methods in Medicine*, 2013, art. no. 103476.

Zagni, F., D'Ambrosio, D., Spinelli, A.E., Cicoria, G., Fanti, S., Marengo, M.
Accurate modeling of a DOI capable small animal PET scanner using GATE
(2013) *Applied Radiation and Isotopes*, 75, pp. 105-114.

Calandrino, R., Ardu, V., Corletto, D., Del Vecchio, A., Origgi, D., Signorotto, P., Spinelli, A., Tosi, G., Bolognesi, A., Cariati, M., Kluzer, A., Muscarella, S.
Evaluation of second cancer induction risk by CT follow-up in oncological long-surviving patients
(2013) *Health Physics*, 104 (1), pp. 1-8.

Boschi, F., Spinelli, A.E.
Quantum dots excitation using pure beta minus radioisotopes emitting Cerenkov radiation
(2012) *RSC Advances*, 2 (29), pp. 11049-11052.

Carillo, V., Cozzarini, C., Perna, L., Calandra, M., Gianolini, S., Rancati, T., Spinelli, A.E., Vavassori, V., Villa, S., Valdagni, R., Fiorino, C.
Contouring variability of the penile bulb on CT images: Quantitative assessment using a generalized concordance index
(2012) *International Journal of Radiation Oncology Biology Physics*, 84 (3), pp. 841-846.

Spinelli, A.E., Marengo, M., Calandrino, R., Sbarbati, A., Boschi, F.
Optical imaging of radioisotopes: A novel multimodal approach to molecular imaging
(2012) *Quarterly Journal of Nuclear Medicine and Molecular Imaging*, 56 (3), pp. 280-290.

Spinelli, A.E., Boschi, F.
Optimizing in vivo small animal Cerenkov luminescence imaging
(2012) *Journal of Biomedical Optics*, 17 (4), art. no. 040506.

Spinelli, A.E., Boschi, F.
Unsupervised analysis of small animal dynamic cerenkov luminescence imaging
(2011) *Journal of Biomedical Optics*, 16 (12), art. no. 120507.

Boschi, F., Meo, S.L., Rossi, P.L., Calandrino, R., Sbarbati, A., Spinelli, A.E.
Optical imaging of alpha emitters: Simulations, phantom, and in vivo results
(2011) *Journal of Biomedical Optics*, 16 (12), art. no. 126011.

Spinelli, A.E., Meo, S.L., Calandrino, R., Sbarbati, A., Federico, B.
Optical imaging of tc-99m-based tracers: In vitro and in vivo results
(2011) *Journal of Biomedical Optics*, 16 (11), art. no. 116023.

Spinelli, A.E., Boschi, F., D'Ambrosio, D., Calderan, L., Marengo, M., Fenzi, A., Menegazzi, M., Sbarbati, A., Del Vecchio, A., Calandrino, R.
Cherenkov radiation imaging of beta emitters: In vitro and in vivo results
(2011) *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 648 (SUPPL. 1).

Spinelli, A.E., Kuo, C., Rice, B.W., Calandrino, R., Marzola, P., Sbarbati, A., Boschi, F.
Multispectral Cerenkov luminescence tomography for small animal optical imaging
(2011) *Optics Express*, 19 (13), pp. 12605-12618.

Alongi, F., Russo, G., Spinelli, A., Borasi, G., Scorsetti, M., Gilardi, M.C., Messa, C.
Can magnetic resonance image-guided focused ultrasound surgery replace local oncology treatments? A review
(2011) Tumori, 97 (3), pp. 259-264.

Spinelli, A.E., Boschi, F.
Unsupervised analysis of small animal dynamic Cerenkov luminescence imaging
(2011) Journal of Biomedical Optics, 16 (12), art. no. 120507.

Boschi, F., Calderan, L., D'Ambrosio, D., Marengo, M., Fenzi, A., Calandrino, R., Sbarbati, A., Spinelli, A.E.
In vivo 18F-FDG tumour uptake measurements in small animals using Cerenkov radiation
(2011) European Journal of Nuclear Medicine and Molecular Imaging, 38 (1), pp. 120-127.

Spinelli, A.E., D'Ambrosio, D., Calderan, L., Marengo, M., Sbarbati, A., Boschi, F.
Reply to 'comments on "cerenkov radiation allows in vivo optical imaging of positron emitting radiotracers"'
(2010) Physics in Medicine and Biology, 55 (18).

D'Ambrosio, D., Fiacchi, G., Marengo, M., Boschi, S., Fanti, S., Spinelli, A.E.
Reconstruction of dynamic pet images using accurate system point spread function modeling: Effects on parametric images
(2010) Journal of Mechanics in Medicine and Biology, 10 (1), pp. 73-94.

Spinelli, A.E., D'Ambrosio, D., Calderan, L., Marengo, M., Sbarbati, A., Boschi, F.
Cerenkov radiation allows in vivo optical imaging of positron emitting radiotracers
(2010) Physics in Medicine and Biology, 55 (2), pp. 483-495.

Boschi, F., Spinelli, A.E., D'Ambrosio, D., Calderan, L., Marengo, M., Sbarbati, A.
Combined optical and single photon emission imaging: preliminary results.
(2009) Physics in medicine and biology, 54 (23).

Farace, P., D'Ambrosio, D., Merigo, F., Galiè, M., Nanni, C., Spinelli, A., Fanti, S., Degrassi, A., Sbarbati, A., Rubello, D., Marzola, P.
Cancer-associated stroma affects FDG uptake in experimental carcinomas. Implications for FDG-PET delineation of radiotherapy target
(2009) European Journal of Nuclear Medicine and Molecular Imaging, 36 (4), pp. 616-623.

Farace, P., Galiè, M., Nanni, C., Spinelli, A., Fanti, S.
Contouring Carcinomas by FDG-PET: Is the Role of Tumor Biology Underestimated?: In Regard to MacManus et al. (Int J Radiat Oncol Biol Phys 2008;71:2-4)
(2008) International Journal of Radiation Oncology Biology Physics, 72 (1), pp. 303-304.

Galiè, M., Farace, P., Nanni, C., Spinelli, A., Nicolato, E., Boschi, F., Magnani, P., Trespidi, S., Ambrosini, V., Fanti, S., Merigo, F., Osculati, F., Marzola, P., Sbarbati, A.
Epithelial and mesenchymal tumor compartments exhibit in vivo complementary patterns of vascular perfusion and glucose metabolism
(2007) Neoplasia, 9 (11), pp. 900-908.

Ambrosini, V., Nanni, C., Pettinato, C., Fini, M., D'Errico, A., Trepidi, S., Spinelli, A., Al-Nahhas, A., Rubello, D., Zompatori, M., Fabbri, M., Franchi, R., Fanti, S.
Assessment of a chemically induced model of lung squamous cell carcinoma in mice by 18F-FDG small-animal PET
(2007) Nuclear Medicine Communications, 28 (8), pp. 647-652.

Nanni, C., Pettinato, C., Ambrosini, V., Spinelli, A., Trespidi, S., Rubello, D., Al-Nahhas, A., Franchi, R., Alavi, A., Fanti, S.
Retro-orbital injection is an effective route for radiopharmaceutical administration in mice during small-

animal PET studies

(2007) Nuclear Medicine Communications, 28 (7), pp. 547-553.

Nanni, C., Di Leo, K., Tonelli, R., Pettinato, C., Rubello, D., Spinelli, A., Trespidi, S., Ambrosini, V., Castellucci, P., Farsad, M., Franchi, R., Pession, A., Fanti, S.

FDG small animal PET permits early detection of malignant cells in a xenograft murine model

(2007) European Journal of Nuclear Medicine and Molecular Imaging, 34 (5), pp. 755-762.

Spinelli, A.E., D'Ambrosio, D., Pettinato, C., Trespidi, S., Nanni, C., Ambrosini, V., Baldazzi, G., Bergamini, C., Marengo, M.

Performance evaluation of a small animal PET scanner. Spatial resolution characterization using ¹⁸F and ¹¹C

(2007) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 571 (1-2 SPEC. ISS.), pp. 215-218.

Partridge, M., Spinelli, A., Ryder, W., Hindorf, C.

The effect of B⁺ energy on performance of a small animal PET camera

(2006) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 568 (2), pp. 933-936.

Divoli, A., Spinelli, A., Chittenden, S., Dearnaley, D., Flux, G.

Whole-body dosimetry for targeted radionuclide therapy using spectral analysis

(2005) Cancer Biotherapy and Radiopharmaceuticals, 20 (1), pp. 66-71.

Spinelli, A.E., Ott, R.J., Divoli, A., Ter Haar, G.R.

Sinogram-based dynamic imaging using a slow positron camera rotation

(2003) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 513 (1-2 SPEC. ISS.), pp. 70-73.

Spinelli, A.E., Ott, R.J., Ter Haar, G.R.

Arterial input function measurements using radiotracer and microbubbles: Preliminary results

(2002) IEEE Transactions on Nuclear Science, 49 I (3), pp. 803-807.

Congress presentations (Orals and posters)

Poster: Arterial input function measurements using radiotracer and microbubbles: Preliminary results By: Spinelli, AE; Ott, RJ; ter Haar, GR 2001 IEEE NUCLEAR SCIENCE SYMPOSIUM, CONFERENCE RECORDS, VOLS 1-4 Pages: 2018-2022 Published: 2002 Conference: IEEE Nuclear Science Symposium Location: SAN DIEGO, CA Date: NOV 04-10, 2001

Poster: Performance evaluation of a small animal PET scanner. Spatial resolution characterization using F-18 and C-11 By: Spinelli, AE; D'Ambrosio, D; Pettinato, C; Trespidi, S; Nanni, C; Ambrosini, V ; Baldazzi, G ; Bergamini, C; Marengo, M Conference: 1st International Conference on Molecular Imaging Technology Location: Marseille, FRANCE Date: MAY 09-12, 2006

Poster: Attenuation correction for pre-clinical PET images using a small animal CT scanner By: D'Ambrosio, D; Spinelli, AE; Boschi, S; Quarta, C; Franchi, R; Pagotto, U; Marengo, M EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING Volume: 34 Pages: S227-S228 Supplement: 2 Published: OCT 2007 View Journal Information Conference: 20th Annual Congress of the European-Association-of-Nuclear-Medicine Location: Copenhagen, DENMARK Date: 2007

Oral: In vivo rat cardiac output measurements using a small animal PET scanner By: Spinelli, AE ; Nanni, C; Trespidi, S; Ambrosini, V ; Franchi, R ; Boschi, S ; Zannoli, R ; Bonacchi, M ; Marengo, EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING Volume: 34 Pages: S158-S158 Supplement: 2

Published: OCT 2007 Conference: 20th Annual Congress of the European-Association-of-Nuclear-Medicine
Location: Copenhagen, DENMARK 2007

Poster: Partial volume correction of whole body PET images using the wavelet transform By: Spinelli, AE ; Guerrieri, L ; D'Ambrosio, D ; Franchi, R; Boschi, S ; Marengo, M OPTICAL AND DIGITAL IMAGE PROCESSING Book Series: Proceedings of SPIE Volume: 7000 Article Number: 70001Y DOI: 10.1117/12.781310 Published: 2008 Conference:

Conference on Optical and Digital Image Processing Location: Strasbourg, FRANCE Date: APR 07-09, 2008

Poster: Quantitative Cardiac Dynamic Imaging of Small Animal PET Images Using Cluster Analysis By:Domenichelli, S ; D'Ambrosio, D ; Trespidi, S; Nanni, C; Ambrosini, V; Boschi, S; Franchi, R; Marengo, M ; Spinelli, AE COMPUTERS IN CARDIOLOGY 2008, VOLS 1 AND 2 Pages: 337-340 DOI: 10.1109/CIC.2008.4749047 Published: 2008 Conference Conference: 35th Annual Conference on Computers in Cardiology Location: Bologna, ITALY Date: SEP 14-17, 2008

Poster: Partial Volume Correction of Small Animal PET Cardiac Dynamic Images Using Iterative Reconstruction: Effects on Glucose Metabolic Rate Measurement By: D'Ambrosio, D; Fiacchi, G; Cilibrizzi, P ; Lamberti, C; Baldazzi, G; Boschi, S; Franchi, R; Marengo, M; Spinelli, AE Book Group Author(s):IEEE View Researcher COMPUTERS IN CARDIOLOGY 2008, VOLS 1 AND 2 Pages: 1093-1096 DOI: 10.1109/CIC.2008.4749236 Published: 2008 Conference: 35th Annual Conference on Computers in Cardiology Location: Bologna, ITALY Date: SEP 14-17, 2008

Oral: Iterative EM Reconstruction of Cardiac Small Animal PET Images Using System Point Spread Function Modelling and MAP with Anatomical Priors By: Spinelli, AE ; Fiacchi, G ; D'Ambrosio, D ; Cilibrizzi, P ; Lamberti, C; Baldazzi, G; Boschi, S; Franchi, R ; Marengo, M COMPUTERS IN CARDIOLOGY 2008, VOLS 1 AND 2 Pages: 333-336 DOI: 10.1109/CIC.2008.4749046 Published: 2008 Conference Conference: 35th Annual Conference on Computers in Cardiology Location: Bologna, ITALY Date: SEP 14-17, 2008

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