The ESMI PhD awards for excellent PhD thesis go to...

...two young promising scientists whose PhD work was acknowledged for creating an extra momentum to the field of Molecular Imaging.” Annemie van der Linden - Chair of the award committee

Congratulations to:

**Angelique Ale** from Munich for her excellent basic work on “Hybrid Fluorescence Molecular Tomography and X-ray CT, Methods and Applications”. Her PhD thesis presents outstanding results on the subject of Reconstruction of Fluorescence Molecular Tomography (FMT) based on CT which is considered as an important development creating significant implications for *in vivo* molecular imaging.

**Lucia Crane** from Groningen for her excellent translational work on “Intraoperative fluorescence imaging in cancer”. Lucia Crane’s PhD thesis presents outstanding data which is currently considered as one of the most important *clinical translation* tools in molecular imaging.
Angelique Ale recently started as post-Doc in the theoretical Systems Biology group at Imperial College. She wrote her PhD thesis at the Institute for Biological and Medical Imaging, Helmholtz Zentrum Muenchen.

“From the very beginning, Ms. Ale has always been very enthusiastic, ambitious, eager to learn and highly self-motivated. I was often impressed by her accomplishments [...]. As a consequence of her dedication, Ms Ale’s work has become a leader in the field, resulting in numerous publications, including a Nature Methods paper.” Vasilis Ntziachristos - supervisor


Angelique Ale on her future career plans: “After forming a broad basis of understanding of the different methods that are used to model biological processes and mechanisms at different scales, I plan to combine this with my knowledge of biomedical imaging. My long term goal is to maximize the capabilities of both approaches, and build up an environment in which biomedical imaging and biological modelling are closely linked, which will lead to major biomedical insights.”

Lucia Crane has been working at the University Medical Center Groningen, Department of Surgery.

“Not only is she a concise and enthusiastic researcher, she is also a dedicated and empathic doctor. This combination makes that she is most happy in translational clinical research, and that she is an essential member of our research group, both socially as intellectually. [...] Her PhD-thesis is one of the first to report of intraoperative fluorescence imaging in a clinical setting, and as such serves as a stepping stone for future studies.” Go van Dam - supervisor

Lucia Crane on her future career plans: “After my PhD-defence, I have worked in the group of Dr G.M. van Dam for one more year as a postdoc researcher (full-time), focusing on gynecologic and surgical oncology. Currently, I still hold this position, albeit part-time, in which I supervise a number of students who are working on projects in gynecology and neurosurgery. This is combined with a clinical residency in the Department of Gynecology & Obstetrics, in which I work shifts in the outpatient clinic, the delivery room, the general ward and the OR. The combination of clinical work and research allows me to constantly see the bigger picture, clinical relevance and the impact of our scientific work. Furthermore, my critical approach helps me in providing the best patient-tailored care.”

PhD Award Committee

- Annemie vander Linden- Antwerp
- Fabian Kiessling - Aachen
- Chrit Moonen - Utrecht
- Michal Neeman - Rehovot

read the abstracts of the theses at the ESMI website
It is with great pleasure to announce the foundation of the two first ESMI Study Groups: the Study Group on **“Intra-Operative Imaging – IOI”** is chaired by Vasilis Ntziachristos and Gooitzen van Dam and the Group on **“Image-Guided Drug Delivery – IGDD”** is chaired by Twan Lammers and Chrit Moonen.

It is great to see that the ESMI is a growing and lively society! This wouldn’t have been possible without active, committed, and excited members – **thanks!**

**Study Group on Intra-Operative Imaging**

The goal of the group is to **promote the field of intra-operative imaging** by:

- paving the way for an interdisciplinary dialogue to identify common issues and limitations in the field
- bringing together scientists, industry representatives and regulatory representatives
- facilitating understanding of regulatory processes and represent the community to regulatory bodies
- organising lectures, sessions, and workshops to raise awareness and promote knowledge exchange

“We The ESMI study group Intra-Operative Imaging focuses on the surgical optical imaging of cancer. Surgical decision making is still mostly based on the physicians vision and experience, however studies show that oncological surgical procedures often lack accuracy and completeness. Improvements in the resection technique are therefore highly sought to improve survival, decrease functional loss, and increase the quality of life of the patient.

We believe that surgical vision enhanced by molecular imaging has the potential to shape the future of surgical procedures by improving the sensitivity, accuracy and contrast of tumor delineation and lymph node interrogation. [...]”

So far **68 people** are joining the IOI study group – the next step is to identify the requirements to bring fluorescence molecular Imaging into the clinic.

NIRF signal observed during the sentinel lymph node procedure in a breast cancer patient. Color image as seen by the surgeon (A). Normalized fluorescence signal (B). Fluorescence signal converted into pseudocolor (green) and superimposed on figure A for anatomical positioning of the signal (C) – Crane 2010

Founding members – IOI
- Vasilis Ntziachristos – Munich
- Gooitzen van Dam - Groningen
- Silvio Aime – Torino
- Kevin Brindle - Cambridge
- Alexander Vahrmeijer - Leiden

[– read the entire outline of the group at the ESMI website –]
The goal of the group is **to promote the IGDD field** by:

- offering a platform for knowledge exchange & interdisciplinary discussion
- establishing links to European scientific communities and projects
- organising lectures, sessions, and workshops to raise awareness and promote knowledge exchange
- fostering the dialogue with small, medium-sized, and large pharma and contrast agent companies

**Founding members – IGDD**


“**Imaging can be used to support and improve various different aspects of drug delivery and drug therapy.** It can e.g. be employed to visualize and quantify the biodistribution and target site accumulation of drugs and drug delivery systems, and to non-invasively assess their efficacy. In addition, molecular imaging techniques can be used to assess drug delivery across biological barriers (by monitoring its temporal and spatial parameters), and to evaluate strategies that aim to improve this process. Furthermore, image-guidance is highly useful for triggering and quantifying drug release from stimuli-responsive carrier materials, such temperature-sensitive liposomes and ultrasound-responsive microbubbles. Finally, by rationally combining drug targeting and imaging, patients can be pre-selected, and treatment protocols can be individualized and optimized, thereby paving the way for personalized (nano-) medicine. [...]”

Interested in joining a Study Group?

We would like to **invite all scientists to be part of a Study Group**, address your crucial questions; start, follow and contribute to discussions on certain topics or publications; stay informed about ongoing activities [...] – simply be an active part of the interdisciplinary imaging community!

In case you are already an ESMI member - send an email to the ESMI with the subject “**I want to join the Study Group on IOI or IGDD**”. **Not a member yet? Just apply via www.e-smi.eu and join us!**
The new ESMI Executive Committee

change in office – President, Vice President, Secretary

The former ESMI President Clemens W.G.M. Löwik stepped down at the member’s assembly 2012 in Dublin. He handed over the presidency to Silvio Aime from Torino. Annemie van der Linden from Antwerp is the new elected Vice President and Fabian Kiessling the new ESMI Secretary.

Andreas Jacobs left the ESMI Executive Committee after seven years in office – a special and warm thank you, Andreas!

Silvio Aime – President

current position and place of work
Professor of Chemistry at the School of Biotechnologies, University of Torino.
Head of the Center of Molecular Imaging, University of Torino.

main field of interest
Design and Testing of Imaging probes.

my motivation
Molecular Imaging is a new science with contributions from many disciplines. All have to be represented in the Society’s activities. ESMI ‘ld work to attract emerging fields that rely on the use of Molecular Imaging tools. The unbalance in membership in scientific areas and in the different European countries has to be addressed with specific initiatives. ESMI ‘ll further strengthen links with sister-scientific societies to better promote its scientific interests. Overall, ESMI has to further consolidate its structure in order to respond at best to the growing community of Molecular Imaging scientists.

Annemie van der Linden – Vice President

current position and place of work
Head of the Bio-Imaging Lab at the Dept. of Biomedical Sciences at the University of Antwerp in Belgium, Member of EGAMI – Expert Group Molecular Imaging Antwerp

main field of interest
NeuroMRI and BLI of small animals including rodents and songbirds to unravel neurodegeneration, regeneration, plasticity and cognitive processes.

my motivation
I have been involved in ESMI from the very beginning, and would like ESMI – as a young organisation – to provide an active and interactive science platform for young and senior scientists. I also strongly believe in cross fertilization of different disciplines and I consider ESMI as THE forum for interdisciplinarity and for bringing research from bench to bedside and back. I strongly believe in small animal imaging as the discipline where both basic and applied biomedical research can do really groundbreaking discoveries because of its in vivo ‘entire organism’ approach and I am excited and delighted to see how ESMI develops into THE best forum for small animal (multimodal) imaging.
Participating and supporting the ESMI and its exciting meetings since the initial event in Paris I was always highly impressed by the scientifically driven nature and high interdisciplinary of the society. In my opinion ESMI provides the optimal European molecular imaging platform to generate cooperation, to develop new ideas as well as to meet and find friends. It is a great pleasure for me to get the chance to actively support the ESMI and its members and to help this exciting society to grow and develop. Furthermore, since I am also active in the WMIS and part of its programme committee, participation in the ESMI Committee would give me the option to help further strengthening the bonds between both societies.

The ESMI Executive Committee is completed by the Treasurer Bernd Pichler and the Past President Clemens W.G.M. Löwik. Together with the elected members of the Council they represent the main governing body of the society: the ESMI Governing Board.

New ESMI Statutes

approved September 7, 2012

It is with pleasure to announce the approval of the new ESMI statutes by our members at the Extraordinary Assembly at 7 September 2012 in Dublin. We are happy that with the revision of the statutes inconsistencies in regards to the current management and decision making processes has been adjusted.

Thanks to the statutory committee and the governing board who put a lot of efforts into the revision, and the ESMI members.

Fabian Kiessling – Secretary

current position and place of work
Director of the Department for Experimental Molecular Imaging at the RWTH University Aachen in Germany.

my motivation
Imaging of tumor microenvironment and tumor angiogenesis. In this context we are working on targets, probes, and imaging methods.

Governing Board members:
Silvio Aime Torino
Kevin Brindle Cambridge
Emmanuelle Canet-Soulas Lyon
Florence Gazeau Paris
Mathias Hoehn Cologne
Andreas Jacobs Muenster
Fabian Kiessling Aachen
Juhani Knuuti Turku
Kai Licha Berlin
Clemens Löwik Leiden
Adriana Maggi Milan
Chrit Moonen Utrecht
Michal Neeman Rehovot
Klaas Nicolay Eindhoven
Vasilis Ntziachristos Munich
Bernd Pichler Tuebingen
Jorge Ripoll Madrid
Markus Rudin Zuerich
Michael Schaefers Muenster
Markus Schwaiger Munich
Annemie van der Linden Antwerp
Gooitzen van Dam Groningen
Juan José Vaquero Madrid

– the statutes are available at the ESMI website
We would like to invite all scientists from Europe and beyond working in the broad field of MI to join us in Torino!
The EMIM will foster the strong network of the (European) Molecular Imaging Community and will bring together (top) scientists from various disciplines, working in diverse fields of Molecular Imaging.
We aim to provide you with a platform for knowledge exchange: between the disciplines, “generations”, academia and industry, and between the societies with the aim to strengthen the interaction among certain groups and everybody who is sharing our vision that interdisciplinary knowledge exchange is the basis for innovation...

Programme and Abstract Categories

The ESMI Governing Board represents the EMIM 2013 Steering Committee. The committee decided to limit the number of abstract categories and to decide on the definite titles for the parallel sessions in accordance with the number of submitted abstracts. With this we aim to ensure a better representation of the needs and also avoid that quite similar abstracts will be submitted in different categories and almost the same talks “appear” in different sessions.

The abstract categories

• Chemistry/Probes
• Technology/Methodology
• Imaging Cancer
• Imaging Cardiovascular
• Imaging Neurology
• Others

Industrial support and participation

With the EMIM 2013 we provide a platform to further establishing a sustainable and powerful European Molecular Imaging community through interdisciplinary knowledge exchange on the highest possible level. Close collaboration with the industry is mostly desirable to ensure the transfer of most recent knowledge and technology. We need your support to build up a successful Europe-wide infrastructure in the field of Molecular Imaging and to organise a meeting where the surrounding conditions as well as the scientific level are excellent.

Present your innovations in technology and exhibit at the EMIM 2013.
The EMIM 2013 will start with an educational part on Sunday morning May 26, 2013 from 08:00h to 11:00h – right before the Opening Ceremony at 11:30h. The general aim has been to provide you with a concept which differs from the WMIC to avoid repetition and to offer a workshop character. The following sessions are foreseen. We hope you like it!

**TOPIM 2013 – 7th ESMI Winter Conference**

Today’s in vivo images of cancer demonstrate that cancer is no longer synonym of death but still linger somewhere in between blindness and clarity. The next stage in cancer imaging will be to produce and interpret in vivo images of cancer according to the biological hallmarks of cancer defined by Hanahan and Weinberg: sustained proliferative signalling, evasion from growth suppressors and immune destruction, enabling of replicative immortality, tumor-promoting inflammation, activation of invasion and metastasis, induction of angiogenesis, genomic instability and mutation, resistance to cell death and deregulation of cellular energetics. The conference will start with an Introductory Keynote lecture by Robert Gillies. Further Keynote lectures will be given by Douglas Hanahan & John Condeelis.

Further speakers per hallmark

- **Kevin Brindle** - Cambridge, UK on “resisting cell death”
- **Eyal Mishani** - Jerusalem, Israel on “sustaining proliferative signaling”
- **Jacco van Rheenen** - Utrecht, The Netherlands on “enabling replicative immortality”
- **Dik van Gent** - Rotterdam, The Netherlands on “genome instability”
- **Fabian Kiessling** - Aachen, Germany and
- **Klaas Nicolay** - Eindhoven, The Netherlands on “inducing angiogenesis, and activating”
- **John Griffiths** - Cambridge, UK on “reprogramming of energy metabolism”
- **Varda Rotter** - Rehovot, Israel on “evading growth suppressors”
- **Paolo Comoglio** - Candiolo, Italy on “invasion and metastasis”
- **Erik Aarnstzen** - Nijmegen, The Netherlands on “inflammation”
- **Caius Radu** - UCLA on “reprogramming of energy metabolism” and “genome instability”
- **Philippe Bousson** - Paris and
- **Wijnand Helfrich** - Groningen, on “evading immune destruction”

“Neither the sun nor death can be looked at with a steady eye”

wrote Francois de La Rochefoucauld (1613-1680)

EMIM 2013 – Educational sessions

1) Advanced Microscopy - Studying molecular processes at cellular and subcellular level

2) Photoacoustic Imaging – From principles to application

3) Hybrid Imaging – Merging the best

4) MALDI, RAMAN, phase contrast Tomography – Emerging non-conventional imaging techniques

www.topim.eu
THANKS for a great meeting in Dublin, thanks for your talks, posters, your participation and all the discussions - thanks for a great party at the Guinness Storehouse!

Programme

In 2012 the ESMI Treasurer Bernd Pichler from Tuebingen, served as the Programme Chair of congress. Thanks for all your efforts to present us an amazing programme!

All abstracts of the poster and oral presentations can be found here.

“Traditionally” the WMIC started with the Educational Sessions. This year the educational part was mainly organised by the European Society for Molecular Imaging. Fabian Kiessling – the new ESMI Secretary – from Aachen served as Chairperson. “We are excited to emphasise the importance of the educational part by developing a new concept covering the main topics “Chemistry of contrast media”, “Hardware”, “Post-processing and Cross Validation”, and “Biology”. All in all eleven educational sessions were scheduled. The concepts of the sessions are describing the talk titles and the expected contents of the lectures in order to avoid overlaps, to prevent the speakers from presenting mainly their own research, and simply to present a consistent educational programme. Nevertheless the concept should be also seen as basis for improvements and developments according to the requirements of the MI research community. Seventeen internationally recognised experts intensely worked on the composition of their sessions. Their dedication to this mission is gratefully acknowledged!

View the abstracts & presentations of the educational sessions at the ESMI website.

Plenary Speakers

Michal Neeman – Rehovot, Israel on “Multiscale Imaging of the Angiogenic Network.”

Juhani Knuuti – Turku, Finland on “Imaging of Vulnerable Plaques from Mice to Man”

Adrian D. Nunn – Princeton, USA on “Developing high avidity, vascular targeted, ultrasound, molecular imaging agents: Translation to the clinic”

Ron M.A. Heeren – Amsterdam, The Netherlands on “Image-n-omics: Innovation in Molecular Imaging with Mass Spectrometry”

Rakesh K. Jain – Boston, USA on “Normalising Tumour Microenvironment to Treat Cancer: Insights from Intravital Imaging”

Satoshi Minoshima – Washington, USA on “Molecular & Functional Imaging in Neurology - Translational Research and Clinical Applications”
NEWSLETTER

Award Winners 2012

Britton Chance Lecture for Advances in Basic Imaging Research: 
Michal Neeman – Weizmann Institute of Science, Rehovot Israel

Jorge Barrio Lecture for Advances in Clinical Research:  
Satoshi Minoshima – University of Washington, USA

Gold Medal Winner: 
Michael Phelps – University of California, USA

The YIA winner 2012: 
Moritz F. Kirchner - Stanford University on “A Triple-Modality MRI-Photoacoustic-Raman Nanoparticle for pre-and intraoperative Brain Tumor Delineation”

YIA finalists:
Neal Paragas - on “The Kidney Defends the Urinary System from Infection by Secreting NGAL”
Brian M. Zeglis - on “A Pre-Targeted 64Cu-PET Imaging Methodology Based on the huA33 Antibody and Inverse Electron Demand Diels-Alder Click Chemistry”

Poster award winners 2012:  
Per poster walk one poster award has been assigned. Chairs: Jan Grimm & Claudia Kuntner; Co-Chairs: Frauke Alves, Michael Tweedle, Bruno Weber, Helmut Maecke, Wynne Schiffer, Timothy McCarthy

Preclinical in vivo oncology: P105 In-tumor self-assembly of a caspase-3-sensitive fluorescent probe provides cancer chemotherapy response monitoring. Adam Shuhendler, Stanford University


Cardiology: P005 Statin therapy improves deep vein thrombosis (DVT) resolution while attenuating thrombus inflammation in vivo: assessment by multiplexed intravital fluorescence imaging. Chase Kessinger, MGH

Infectious Diseases: P037 Whole animal, real-time detection of inflammation in mouse models with conjugated polymer nanoparticles responsive to reactive oxygen and nitrogen species. Adam Shuhendler, Stanford University

Technology & Software - CT, US, Photoacoustics: P176 Quantifying Tumor Interstitial Fluid Pressure in mice xenografts via non-invasive Scanning Acoustic Microscopy. Ralph Pflanzer, Frankfurt am Main

Technology & Software - Systems Biology: P167 MRI and NMR study of engineered adipose tissues developed for reconstructive surgery. Marc-Andre Fortin, Universite Laval

Preclinical cell and tissue level - oncology: P323 Three-dimensional visualization of tumor vessel architecture and antibody penetration using multispectral fluorescence ultramicroscopy. Michael Dobosz, Roche Diagnostics GmbH, Technical University of Munich

Preclinical in vivo oncology: P281 In vivo MRI visualization of drug release induced by non-focused Ultrasound in an experimental tumor model. Silvia Rizzitelli, University of Torino

Preclinical in vivo oncology: P270 Non-invasive CT-FMT imaging of the biodistribution and tumor accumulation of vascular-targeted polymeric nanomedicines. Sijumon Kunjachan, University Hospital, RWTH - Aachen University

Preclinical cell and tissue level/in vivo - reporter genes, signal transduction & epigenetics: P309 In vivo determination of the fraction of reporter gene expressing cells from a mixed tumor population, using multi-exponential relaxometric MRI. Moriel Vandsburger, Weizmann Institute of Science

Technology & Software - optical imaging: P076 Characterization of Multivalent Targeted Molecular Imaging Probes. Yolaine Jeune-Smith, H. Lee Moffitt Cancer Center & Research Institute

Technology & Software - Hybrid Multimodality: P355 The effects of number of segments in segmentation-based whole-body PET/MR attenuation correction: evaluation with PET/CT data of liver and spine cancer patients. Joong Hyun Kim, Seoul National University

YIA finalists: Kirchner, Paragas, Zeglis
Chemistry and Probes - Nuclear: P227
Synthesis and radiopharmacological evaluation of an 18F-labelled norbornene derivative for rapid copper-free click chemistry reactions. James Knight, University of Alberta

Chemistry and Probes - MRI: P202
Overcoming Biological MT Effects by use of ParaCEST MRI Contrast Agents Possessing Highly Shifted Amide Proton Signals. Mark Milne, University of Western Ontario

Preclinical in vivo oncology: P545

Preclinical in vivo oncology: P554
Different anesthetics impact tumor hypoxia and muscle oxygenation. Moritz Mahling, University of Tuebingen

Neurology: P513
Ultra-Sensitive Molecular Magnetic Resonance Imaging of Cerebrovascular Cell Activation. Axel Montagne, INSERM

Cardiology: P455
Comparison between magnetic nanoparticle-combined cardiac MRI and conventional cardiac MRI for detection of myocardial inflammation, and visualization of inflammatory evolution in experimental autoimmune myocarditis rat model. Hyeyoung Moon, Korea Science Institute

Metabolic Disease: P592
Manganese-enhanced MRI distinguishes normoglycemic and type 2 diabetic patients. Laurent Vinet, University of Geneva

Translational and clinical oncology: P622
Optical-guided surgery of fibrosarcoma on cat patients. A veterinary clinical study, Christiane Wenk, Université Joseph Fourier

Technology and Software - MRI: P583
Improved magnetic particle spectrometer providing high field amplitudes for investigation of hysteresis effect in superparamagnetic nanoparticle tracers, Marlitt Erbe, University of Lübeck

Chemistry and Probes - CT, US, multimodal: P418
Synthesis and Application of AOI-Derivatives for in-vivo Imaging of Aβ-Plaques in APP23 Alzheimer Mice with Near Infrared Optical Imaging and MRI, Christian Kesenheimer, Eberhard Karls University Tuebingen

Preclinical Cell & Tissue Level - Cells (Stem/Immune): P796
Non-invasive multimodal / multi-scale imaging of bone marrow microenvironment and stem cells niches in health and disease. François Lassailly, London Research Institute

Preclinical in vivo – Oncology: P759
Integrin αvβ3-Targeted IRDye 800CW Near-Infrared Imaging of Glioblastoma. Ruimin Huang, Memorial Sloan Kettering Cancer Center

Preclinical in vivo – Oncology: P740
Pairwise PET Imaging Comparisons of 89 Zr and 124 I labeled cG250 as a Basis for Non-Invasive Quantitation of In Vivo CAIX Receptor Binding and Internalization in Mouse Xenografts of Clear Cell Renal Carcinoma. Sarah Cheal, Memorial Sloan-Kettering Cancer Center

Preclinical in vivo - Inflammation/Immunology: P722
Parallel Visualisation of Monocyte Activity and Myelination Status in Experimental Neuroinflammation using Target-specific Optical Molecular Imaging. Michel Eisenblaetter, University of Muenster, King’s College London

Translational & Clinical – Oncology: P830
Feasibility of simultaneous MR/PET imaging in juveniles – comparison with PET/CT. Nina Schwenzer, University of Tuebingen

Chemistry and Probes – OI: P703
Nanowire-based single-cell endoscopy. Ji Ho Park, KAIST

Chemistry and Probes – Nuclear: P675
A Novel Peptide Sequence for Highly Efficient Site-Specific Radiolabelling of Proteins with [99m Tc(CO)3 ]+ and [186/188 Re(CO)3 ]+. Jennifer Williams, King’s College London

Chemistry and Probes – MRI: P630
Yb-HPDO3A, an outstanding MRI-CEST agent for in vivo pH mapping. Daniela Delli Castelli, University of Turin
EC – Public Consultation

As part of our (the ECs) ongoing effort to chart and shape the evolving landscape of future and emerging technologies, we are launching a public consultation to identify promising and potentially game-changing directions for future technological research. The research directions we are looking for should be more general than an idea for a single research project. Importantly, we expect such research directions to go beyond established approaches, typically through unexpected combinations of disciplines, ideas and people around a common vision. We also expect to see from them structuring effects on multidisciplinary communities that can tackle all aspects of such a vision in a systemic way. Ultimately such visions should hold the keys to a better future for all, and put Europe on a new road towards future technological competitiveness in the next 20 years. Therefore, we are inviting, among others, scientists, researchers, engineers, innovators, and citizens to submit their ideas on such directions of research for future technologies before November 30th 2012.

sign an online petition –

The discussions at and around the next summit of the European Union heads of states and governments, which is scheduled for 22 and 23 November, will be decisive in determining the EU research budget for the next seven years. Several Member States are demanding severe cuts on the total budget and research will have to compete with other policy priorities. This is a time when we, the scientific community, should act together and make our case to protect research funding. Decisions will be prepared in discussions among politicians at the national level. An open letter signed by European Nobel laureates has been published in top European newspapers this week. The impact of this letter will be increased if it is followed by a mobilisation of the national scientific communities.

Events

congresses, workshops, symposia

Nov. 14, 2012
Opening SYMPOSIUM - Joint Research Facility of Philips Research and the University of Technology Eindhoven, The Netherlands

Nov. 25-30, 2012
RSNA 2012 in Chicago, USA

Jan. 20-25, 2013
7th ESMI Winter Conference on IMAGING HALLMARKS of CANCER

Jan. 28- Feb. 1, 2013
WORKSHOP - 8th Small Animal Imaging Workshop 2013 in Tübingen, Germany

Jan. 29 - Feb. 1, 2013
WORKSHOP - Small Animal PET in Orsay, France

Feb. 11-15, 2013
WORKSHOP - Design, preparation and validation of imaging probes for diagnostic and therapeutic imaging in Torino, Italy
We aim to provide you with interesting and up-to-date information about the MI activities in Europe and beyond to further encourage interdisciplinary cross-communication.

subscribe/unsubscribe

For any enquieries do not hesitate to contact the ESMI office Doris Kracht via office@e-smi.eu

Please always validate the given information through the official websites of the European Commission.