The BMIC aims to organize activities “bottom-up”, i.e. initiated and organized by PhD students and young Post-Docs with the support of PIs and the ESMI. BMIC will promote the formation of a regional network of young scientists and attract its members to the ESMI.

Objectives

- To bring together young scientists (M.Sc./PhD students and young post-docs) interested in the field of molecular imaging.
- To offer the opportunity to share knowledge.
- To foster collaborations between research groups and
- To create a regional network.
- To offer an overview of regional research and research labs and serve as a job forum.
- To provide young scientists with an easy and informal entry into the imaging community.

Belgium Molecular Imaging Community – BMIC

A youngESMI group is part of the ESMI focussing on a region/country but is not limited to. A yESMI group is initiated by students and young researcher and open to all young members of the ESMI. It is a “bottom-up” initiative which shall promote the formation of a regional network of young imaging scientists. A yESMI group should not compete with ESMI or its activities, but rather be complementary.

Interested in initiating a yESMI group in your country?
www.e-smi.eu/index.php?id=2631

read more about BMIC at
www.e-smi.eu/index.php?id=2632
New ESMI Study Group on Imaging Mass Spectrometry

It is with pleasure to announce the foundation of the third ESMI Study Group on “Imaging Mass Spectrometry” and to invite you to join. The group is chaired by Ron Heeren, Amsterdam & Gérard Hopfgartner, Geneva. Further founding members are: John Fletcher, Gothenburg, Richard Goodwin, Cambridge, and Kristina Schwamborn from Munich.

Scope, relevance, and objectives
The scope of the Imaging MS study group is to provide a networking and dissemination platform for molecular imaging researchers and professionals that use mass spectrometry in their daily practice.

Multimodal molecular Imaging with mass spectrometry provides direct insight into the spatial organization of a wide variety of molecules on complex surfaces. It is truly a multiplex and label free imaging technique that takes advantage of all analytical capabilities embedded in modern mass spectrometers. This molecular histology technique allows for direct structural analysis of molecules liberated from the surfaces under study. As such, it enables direct targeted and untargeted analysis of endogenous metabolites, oligosaccharides, lipids, peptide and proteins, as well as exogenous compounds. The subsequent identification and quantification can contribute to disease specific molecular disease profiles.

This study group intends to increase the broader awareness of the technological basis, as well as its clinical and pharmaceutical application. The study group fosters a knowledge base where people can learn about quantitative aspects and considerations of imaging MS as well as the application for three dimensional single cell studies.

The goal of the group is
- to increase the broader awareness of the technological basis, as well as its clinical and pharmaceutical application.
- to foster a knowledge base where people can learn about quantitative aspects and considerations of imaging MS as well as the application for three dimensional single cell studies.
- to organize lectures, sessions, and workshops to raise awareness and promote knowledge exchange.

Objectives
- Enable dissemination of imaging MS based ideas, methods, techniques, protocols and applications.
- Anchor imaging MS in the broader molecular imaging community.
- Ensure COST networking activities (COST Action BM1104) are continued in the ESMI professional environment.

Interested in joining this Study Group?
In case you are an ESMI member - just send an email to the ESMI with the subject "I want to join the IMS Study Group". Not a member yet? Just apply at www.e-smi.eu

Further information also on the current study groups and how to initiate a Study Group can be found at www.e-smi.eu/index.php?id=2518
The National Representatives serve as main contact points per country and complement the efforts of the ESMI Board members to establish ONE representative and strong imaging community in Europe. They shall also represent specific national interests in the field of imaging science. Are you looking for a contact person in your country?

New Executive Board – your elections

The former ESMI President Annemie van der Linden stepped down in the scope of the society’s 9th annual meeting – the EMIM 2014 in Antwerp and handed over the presidency to Bernd Pichler from Tübingen, Germany. Annemie van der Linden was ESMI President from 2013-2014; Bernd Pichler will stay in office until the next annual meeting - the EMIM 2015 to be held in Tübingen from 18-20 MARCH (not May!).

The new elected Vice President (President Elect) Chrit Moonen from Utrecht, The Netherlands will then take over his duties after the EMIM 2015. The Executive Board is completed by Fabian Kiessling – Aachen (treasurer) and Markus Rudin – Zurich (Secretary).

BERND PICHLER – new ESMI President

current position and place of work
Director & Chair of the Department of Preclinical Imaging and Radiopharmacy - University of Tübingen

main field of research
Preclinical Imaging, Multimodality Imaging (PET/MRI), Probe development, PET detector research

motivation
My aim as president of ESMI is to foster the integration of the various imaging research disciplines into ESMI. I would also concentrate on lobbying imaging science at the EU level and intensify the cooperation with our global partner, the World Molecular Imaging Society (WMIS).

ONE strong community gives also a strong signal to the national and European funding authorities for continued research funding. THANKS to all of you for your commitment & dedication for imaging science!

ESMI NATIONAL REPRESENTATIVES

Austria
Peter Brader - Vienna
Claudia Kuntner - Vienna

Belgium
Annemie van der Linden* - Antwerp

Czech Republic
Milan Hajek - Praha
Ivan Lukes - Praha

Denmark
Andreas Kjaer - Copenhagen

Finland
Juhani Knuuti* - Turku

France
Emmanuelle Canet-Soulas* - Lyon

Germany
Ingrid Hilger - Jena

Israel
Michal Neeman* - Rehovot

Italy
Silvio Aime - Torino
Adriana Maggi* - Milan

The Netherlands
Chrit Moonen* - Utrecht
Klaas Nicolay* - Eindhoven
Go van Dam* - Groningen

Norway
Samuel Kuttner - Tromsø

Spain
Juan Vaquero* - Madrid
Jorge Ripoll* - Madrid

Sweden
Deniz Kirik - Lund

Switzerland
Markus Rudin* - Zurich

United Kingdom
Kevin Brindle* - Cambridge

*also ESMI Board members
European Molecular Imaging Meeting 2015

MARCH 18-20, 2015 – be warly invited to Tübingen for the 10th annual meeting of the ESMI!

On behalf of the ESMI President Bernd Pichler it is with great pleasure to invite you to Tübingen for the European Molecular Imaging Meeting - the EMIM 2015! The EMIM 2015 is the 10th annual meeting of the European Society for Molecular Imaging.

To avoid conflicts with related congresses like the SNMMI or the ISMRM the next EMIM will take place in MARCH 2015. Thus we hope that all of you are able to attend and to present and share your excellence in IMAGING SCIENCE!

Date: 18-20 MARCH 2015
Venue: Kupferbau Tuebingen
www.emim.eu

ABSTRACT CATEGORIES

- Cancer-Imaging
- Cardiovascular-Imaging
- Chemistry/Probes/Reporter Genes
- Immunology
- Infection/Inflammation
- Neurology-Imaging
- Technology/Methodology
- Others

World Molecular Imaging Congress 2014

17-20 September 2014 in Seoul, Republic of Korea

“[…] 2014 is an exciting year to hold our annual meeting in Seoul because molecular imaging has recently experienced rapid growth throughout Asia. The WMIC provides outstanding opportunities to connect with molecular imaging colleagues from Asia and world-wide. We have solicited your thoughtful comments and advice into the program for the WMIC 2014 meeting in Seoul: we will continue to include Panel Discussions to provide more provocative and collegial dialogue about the opportunities and challenges for molecular imaging. We have incorporate topics within Spotlight Sessions that are emerging in our molecular imaging research community. Based on your suggestions, we are sure that we will develop the best possible molecular imaging meeting in the world.

Our emerging generation of young molecular imaging scientists provides tremendous energy and enthusiasm to our World Molecular Imaging Society and we are designing the WMIC meeting program to recognize their enthusiasm. We plan to provide three young investigator awards, over 150 student travel stipends, and many poster awards. […]”

excerpt from “Letter from the Program Chair” Marty Pagel
The WMIC is organized by the joint efforts of the World Molecular Imaging Society (WMIS), the European Society for Molecular Imaging (ESMI) and the Federation of Asian Societies for Molecular Imaging (FASMI). Registration, hotel booking, and further information at www.wmis.org/meetings

WMIC – in brief

PLENARY SPEAKER

Heike Elisabeth Daldrup-Link
Stanford University, USA
on “Stem Cell Imaging - Translational Approaches”

Ick Chan Kwon
Korea Institute of Science and Technology
on “Role of Molecular Imaging in Nanotheranostics”

Niren Murthy
University of California at Berkeley
on “New Strategies for Imaging Infections and Oxidative Stress”

Michael E. Phelps
Crump Institute for Molecular Imaging UCLA, USA
“PET: Time to go back to basics”

Jean Paul Thiery
National University of Singapore (NUS), Singapore
“Imaging of the Epithelial-Mesenchymal Transition in Biological Development and Cancer”

Michal Neeman
Weizmann Institute of Science, Israel
“Highlight Lecture”

SPOTLIGHT SESSIONS

• Multiscale Molecular Imaging: From Microscopy to Mouse to Man
• Transformative Technologies for Molecular Imaging
• Molecular Imaging: Spotlight on Neurosciences
• Molecular Imaging: Spotlight on Cardiology
• Mouse Models and Molecular Imaging for Co-Clinical Trials: Lessons Learned
• Reporter Gene Imaging
• Molecular Imaging of Metabolism and Metabolic Diseases
• Quantitative Molecular Imaging
• Infectious Disease

EDUCATIONAL SESSIONS

Chemistry of Contrast Media
Basic considerations about probes and suitable imaging modalities
Biologicals
Small molecules
Particles and polymers

Biology and Pathology
Cardiovascular diseases
Cancer Biology
Central nervous system

What Life Scientists Should Know about Imaging Modalities
Optical, Ultrasound, and Optoacoustic Imaging
MR Fundamentals
Nuclear Imaging: Physical principles and instrumentation

Postprocessing and Cross Validation
Modeling and quantification
Basics of image processing

How to succeed in science
Deliver an inspiring talk
Preparing a successful grant application

Date: 17-20 September 2014
Venue: COEX Seoul
www.wmis.org/meetings
Perfect opportunity for education!

Date: 2 days BEFORE (15/16 September) & 2 days AFTER (21/22 September) the WMIC.
The 4-day workshop is organised compatible with the WMIC 2014 in Seoul.
Venue: Intercontinental Seoul COEX - same venue as for the WMIC!

REGISTRATION is now possible -
your excellent education in imaging science - in theory & practice!

The 4-day workshop programme covers the basic and advanced theoretical background of imaging modalities, quantitative image analysis and kinetic modelling, radiochemistry, and disease specific imaging. Beside the theory practical teaching sessions as well as PRACTICAL data analysis sessions will provide you with the opportunity to go into the depths of imaging analysis - guided by high-level experts and excellent teachers.

REGISTRATION

The registration fee of 750€ (early fee) covers:
• all workshop/teaching material
• incl. data analysis trial software
• lectures as well as
• memory sticks with presentations
• coffee breaks (4 days)
• lunches (4 days excl. softdrinks)

PROGRAMME

part 1: 15/16 September 2014

Theory
Imaging modalities (4h) | Basic and advanced introduction
Radiochemistry (4h)
Disease specific imaging (2h) – selected examples from Oncology, Cardiology, Cell imaging [...] and Perfusion Imaging

part 2: 21/22 September 2014

Quantitative image analysis and kinetic modelling (3h)
Practice
PRACTICAL data analysis (Bring your computer! 3h)
How to design an experiment
Data handling
Journal Club – discussion/presentation

SPEAKERS/TOPICS

Quantitative Image Analysis & Kinetic Modeling
Adriaan Lammertsma - Amsterdam

RADIOCHEMISTRY
Neil Vasdev - Boston,
Kishore Pillarsetty, Thomas Reiner, &
Serge Lyashchenko - New York
Michael van Dam - Los Angeles

IMAGING MODALITIES
• MRI basic & advanced | Hans Wehrl, Tübingen
• Optical Imaging/Microscopy
Giannis Zacharakis - Heraklion
• Ultrasound | Fabian Kiessling - Aachen
• Multi-modality preclinical imaging (PET-CT, PET/MR) | Bernd Pichler - Tübingen

DISEASE SPECIFIC IMAGING
(selected examples)
• Perfusion Imaging | Hidehiro Iida - Osaka
• Cell imaging | Travis Shaffer - New York
• Oncology | Fabian Kiessling - Aachen
• Cardiology | David Cormode - Philadelphia

www.prima-curriculum.eu

International Workshop Committee
Bernd Pichler - Tübingen, Germany
Stuart Berr - Charlottesville, USA
Hidehiro Iida - Osaka, Japan
Fabian Kiessling - Aachen, Germany
Twan Lammers - Aachen, Germany
Steven Meikle - Sydney, Australia
Jae Sung Lee - Seoul, Korea
Jason S. Lewis - New York, USA
Stefan Wiehr - Tübingen, Germany
IMAGING INFLAMMATION – hot topic 2015

1st announcement of the 9th ESMI Winter Conference – TOPIM 2015 | 01-06 February

For the biologist, inflammation is the consequence of contributions from a plurality of cells and a growing list of mediators, cytokines and receptors; for the medical doctor, inflammation is key to innate immunity and to the pathogenicity of major diseases; for the imaging scientist, the hallmarks of acute inflammation are masked by a vascular uproar and the hallmarks of chronic inflammation are blurred. Two thousand years after the clinical description of the cardinal signs of inflammation by Celsius (rubor et tumor cum calor et dolore), the appraisal of this ubiquitous phenomenon remains a conundrum of complexity and a major technical, scientific and medical challenge. Nevertheless, in vivo imaging approaches are opening new windows on the actors of inflammation, and showing that their concerted partition depends on context, location, duration, extent and tight relationships with other reactional processes.

During TOPIM 2015 “Imaging Inflammation”, specialists from all fields of imaging sciences will share their expertise on new imaging approaches, confront recent results and discuss future avenues on how to tackle the multiple aspects of inflammation and distinguish the good, the bad and the ugly. Join and bring your stone to the great ambition:

O for a Muse of fire, that would ascend
The brightest heaven of invention,
A kingdom for a stage, princes to act
And monarchs to behold the swelling scene!
(William Shakespeare, Henry V)

Deadlines
11 September | Opening of Abstract Submission
29 October | DEADLINE for Abstract Submission

Abstract Topics
- Auto Immunity
- Cancer Immune Cell Therapy
- Immunity & Inflammation
- Immune-Cell Response
- Micro-Bio Immunity
- Neuro-Inflammation
- Organ Transplantation
- Others

TOPIM 2015 Committee
Bertrand Tavitian - Paris CHAIR
Matthias Gunzer - Essen/Bochum
Mathias Hoehn - Cologne
Michal Neeman - Rehovot
Vasilis Ntziachristos - Munich
Andreas Jacobs - Muenster/Bonn
Bernd Pichler - Tübingen
NEWSLETTER

EVENTS
congresses, workshops, trainings

Sep. 7-12, 2014
International Microscopy Congress IMC 2014 in Prague, Czech Republic

Sep. 17-20, 2014
World Molecular Imaging Congress 2014 - WMIC in Seoul, South Korea

Sep. 15/16 & 21/22
Workshop on Imaging Modalities, Radiochemistry, Data Analysis, Quantification - in theory & practice” in Seoul, Republic of Korea (“around” the WMIC)

Oct. 10-11, 2014
SYMPOSIUM - Interventional MRI iMRI 2014 in Leipzig, Germany

Nov. 3-7, 2014
WORKSHOP - 5th Mouse Imaging Academy (PRIMA III) in Muenster, Germany

Nov. 8-15, 2014
IEEE - Nuclear Science Symposium and Medical Imaging Conference in Seattle, USA

10th Small Animal Imaging Workshop (PRIMA III) in Tübingen, Germany

Feb. 1-6, 2015
Imaging Inflammation TOPIM 2015 in Pichl, Austria

Feb. 23-27, 2015
4th PET/MR Workshop in Tübingen, Germany

Mar. 18-20, 2015
European Molecular Imaging Meeting - EMIM 2015 in Tübingen, Germany

for details please visit the “congress/workshop calendar” at www.e-smi.eu/index.php?id=1996

EU NEWS
open calls

Jun. 17, 2014
ERC ERC Advanced Grants - open call

Apr. 4, 2014
Marie Skłodowska-Curie COFUND CO-FUNDing of regional, national or international programmes - open call

March 2014 European Commission
STUDY/document - Marie Curie researchers and their long-term career development: A comparative study

Mar. 12, 2014
Marie Skłodowska-Curie Individual Fellowships IF - open call

Dec. 11, 2014
ERC Proof of Concept - open call

Dec. 11, 2014 H2020
Subcall on “Health, demographic change and wellbeing” - open calls

Dec. 11, 2013 H2020
Overview of 1st calls for proposals under Horizon 2020

for further information, deadlines, and continuative links please visit the “EU NEWS” section at www.e-smi.eu/index.php?id=1971

Please always validate the given information through the official websites.
NEWSLETTER

JOBS

open positions

Jul. 8, 2014
PostDoc position for a Physicist/Engineer on cardiovascular PET-MR in Maastricht, The Netherlands

Jul. 7, 2014
Doctoral Grant by the University Research Fund in Neuroscience in Antwerp, Belgium

Jul. 4, 2014
Physiker/Ingenieur Nuklearmedizin Ulm, Germany (in German)

Jun. 20, 2014
PostDoc position in Image-Guided Drug Delivery in Toronto, Canada

May 13, 2014
PostDoctoral Fellow Development of Preclinical Models in Bergen, Norway

for details please visit the “VACANCIES” section at www.e-smi.eu/index.php?id=1973

We need your participation in order to foster new ideas and excellence in imaging science through inter-disciplinary cross communication and to establish a strong Imaging Community also to secure funding for your field of research.

Become a new member | www.esmi-insight.eu/membership

To be an ESMI member

Your ESMI membership includes also the possibility to post your events and open positions at www.e-smi.eu – read more about your benefits to be a member!

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for any enquiries/(un-)subscription please contact the ESMI office via office@e-smi.eu