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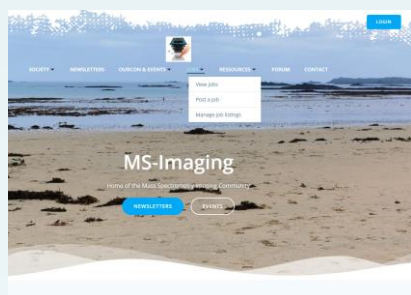
Distinguished members of the MSI community  
Meet **Dr Gregory Hamm**

### OURCON SERIES

Save the date for OurCon 2021 *LIVE from Sheffield*  
Registration and abstract submission NOW OPEN!

**CELEBRATING THE MEMORY OF OUR DEAR COLLEAGUE:**  
**Martin R.L. Paine**

Visit the MSIS website for the society's latest updates



You can now post job opportunities on your own, check future events and visit the past newsletters on our updated website

<https://ms-imaging.org/wp/>

## OURCON2021

### The International Mass Spectrometry Imaging Conference

We are pleased to invite you to the Mass Spectrometry Imaging Society's eighth international conference, **OurCon2021**



This year's conference will now be delivered as a **live online event** from the studios of Technative live in the city of Sheffield, UK. The format will allow for both a mix of live, **in-person presentations from Sheffield and live online presentations from anywhere in the world.**

By partnering with a live stream broadcaster, we are able to offer **live discussions, chat rooms, Q&A** both in venue and online along with video mixing.

To register and submit an abstract visit:

<https://ourcon.org/2021/>

### Important dates:

**OurCon2021:** 12th October 2021 – 13th October 2021

**Last Booking Date for this Event:** 11th October 2021

### **Deadlines for Abstract Submission:**

Oral	31 <sup>st</sup> August 2021
Poster	31 <sup>st</sup> August 2021

### Registration cost:

MSIS Member	£80.00
MSIS Student Member	£50.00
Non-Member	£120.00

**Become a MSIS member now:**

[ms-imaging.org](https://ms-imaging.org)

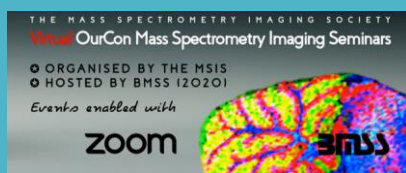


Join the community and shape the future of MSI...

## MSIS Calendar

### MSIS VIRTUAL OURCON SEMINAR SERIES (HOSTED BY BMSS)

Seminars will restart in November 2021



#### Online Event

For more information:

[MSIS virtual OurCon Seminar Series \(Hosted by BMSS\)](#)

### OURCON 2021



 11-14 Oct 2021

 Online  
Live from  
Sheffield, UK

For more information:

[ourcon.org/2021/](http://ourcon.org/2021/)

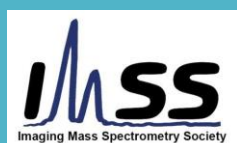
Registration and abstract submission now OPEN!

### IMSS 2021 MEETING

Registration and abstract submission now OPEN!

 3 - 6 Oct 2021

 Colorado  
Spring, CO



For more information:

[ourcon.org/2021/](http://ourcon.org/2021/)

### Mass Spectrometry Imaging Society:

Meet distinguished members of the MSI community

#### Gregory Hamm

*Associate Director at AstraZeneca in the Imaging & AI team, Clinical Pharmacology & Safety Sciences (CPSS), R&D*



Gregory Hamm is Associate Principal Scientist at AstraZeneca in the Imaging & AI team, Clinical Pharmacology & Safety Sciences (CPSS), R&D. He holds a PhD in physics and chemistry from the Paul Verlaine University of Metz received in 2010. As R&D manager in the MS imaging department of ImaBiotech from 2010 to 2016, he developed a new methodology for quantification by MSI (patented and published extensively) and coordinated the international research programme for the company. Since 2016, he has supported the AstraZeneca

portfolio using a range of advanced imaging technology including MSI, Imaging Mass Cytometry (IMC) and digital pathology. He has extensive experience in supporting projects for safety and efficacy studies and is the Imaging & AI therapy area lead for Respiratory & Immunology. He's also involved as PI in an ongoing Cancer Research UK (CRUK) Grand Challenge programme within the Rosetta team which aims to map the complex interplay between tissue metabolism and cancer progression in collaboration with academic and industrial partners across the UK. He's the author of over 30 peer reviewed papers in the MSI field and as chairman of the MSI study group for the European Society of Molecular Imaging (ESMI), he strives to promote multimodal MSI to the wider imaging community. He's currently involved in the board of the MSIS as education lead.

#### *How you came to be involved in MSI?*

I discovered MSI at the beginning of my PhD in 2006. It was supposed to be a subpart of my PhD project together with the MS profiling of leaves extract by ESI-FTICR but at the end it was the most interesting part of my job. I developed a method to spatially localise plant metabolites on the surface of vine leaves. I was using a Bruker Reflex IV MALDI-ToF modified in-house with a Nd:YAG laser to enable the ionisation of the plant metabolites by LDI. It was a great introduction to the MSI world and I would like to thank all my colleagues from the Paul Verlaine University, my supervisor Jean-Francois Muller and the Bordeaux wine council for the sponsoring.

#### *What do you think MSIS brings to the MSI field? What else would you like to see from the society?*

MSIS brings a community of people passionate about MSI together. MSI is an increasing field in the wider Mass Spectrometry community and MSIS, alongside IMSS, plays a key role in its growth. Both MSI societies are supporting the development and the knowledge of our imaging technologies to a broader audience thanks to networking and scientific events. In the future I'd like to see the unification of both societies to form a single MSI community with stronger impact and power.



Join the community and shape the future of MSI...



## MSI around the world this fall

### MSACL 2021 EU - 7th European Congress



This congress has shifted to Virtual-Only and will be held over two non-contiguous weeks to avoid conflict with the BMSS 41st Annual Meeting  
Week 1: August 31 - September 3, 2021

Week 2: September 13 - 17, 2021

All information:

[HTTPS://WWW.MSACL.ORG/](https://www.msaccl.org/)

KEY NOTE LECTURES ON WED SEP 01, 2021:



Richard Goodwin (AstraZeneca, The University of Glasgow)



Nina Ogrinc (University of Lille)

### ASMS FALL 2021 WORKSHOP ON IMAGING MASS SPECTROMETRY

<https://asms.org/conferences/fall-workshop/fall-workshop-homepage>

 Philadelphia, PA

 29-30 Oct 2021

### *Have you participated in OurCon and if yes what are your best memories?*

I've participated to 3 OurCon meetings so far, including the first one in Ourense a few years ago now. This first meeting is definitely my best memory as it was the first event bringing together the MSI community. I remember a great atmosphere and a really warm temperature in Spain. I met for the first time some people whose names I have only seen on a publication before, so it was great to be able to interact with them and share our passion for MSI. I've also participated in the one in Turkey and more recently in Poland which was my first one as an AstraZeneca employee after leaving ImaBiotech. This one was also special as I had some great times with my new colleagues, great science and also a lot of fun during the different post dinner events.

### *What drives your enthusiasm for the field of MS imaging?*

I think the interaction with other scientist asking us to use MSI for their project. We're getting so many requests from AstraZeneca colleagues and that's the cool part of my daily job. All those interactions with scientist from other scientific areas are always different. I'm never bored trying to find new ways to use MSI, new applications, pushing forward the boundaries of what we can do. Since AstraZeneca brought the technology in-house in 2011, we've proven that MSI can fully support decision making in pharmaceutical development. This enthusiasm for MSI is also shared at a higher level within our company which is supporting the growth of our team year after year.

### *How do you think the field will be in 5-10 years from now?*

Multimodality will be the future of MSI. The integration of MSI into the imaging sciences family is key to see our technology grow. We need to work closely with digital pathology, high-plex immunostaining technologies and with in-vivo molecular imaging modalities such as MRI and PET. This is something I've tried to support externally through my involvement into the ESMI as chairman of the study group on MSI. It is also something we're trying to develop within AstraZeneca in our newly created group "Imaging & AI" where all imaging scientists are working together to provide a multi-layer holistic understanding of drug development. Another part of MSI which needs to be developed is the data analytics workflow. This is where AI-based methods, machine and deep learning tools will be required to generate a comprehensive analysis of the huge amount of data we produce.

### *What are the main challenges and the biggest success you have encountered in your career and what do you think can be improved in the field of MSI?*

The main challenge is also the main success of MSI, the interaction with different partners from different scientific fields which requires us to go outside of our area of comfort and try to learn and apply day after day the new knowledge we're getting. MSI provides the unique opportunity to merge different scientific areas i.e. biology, physics and chemistry which can also be a challenge for us, but an exciting one. One side of MSI which can be improved is the standardization of workflow and protocol and I think it's also one of the main tasks of MSIS, to be able to act as a key point of contact in the community for a better sharing of experiences and knowledge.



## Special issue in the memory of Martin Paine

Message from Shuichi Shimma, organizer of OurCon2022 in Japan

Dear all MSI researchers,

I received the sad news in Japan that my dear friend Marty passed away from colon cancer on May 12, 2021... Marty and I have been friends since the IMSC in 2012. He was one of the first foreign friends in the mass spectrometry community, as he was of my generation.

RIP from Japan.

I am currently a guest editor for "Metabolites" and am working on a special issue on MSI for Metabolomics and Lipidomics (link: [https://www.mdpi.com/journal/metabolites/special\\_issues/Mass\\_Spectrometry\\_Imaging\\_Metabolomics\\_Lipidomics](https://www.mdpi.com/journal/metabolites/special_issues/Mass_Spectrometry_Imaging_Metabolomics_Lipidomics))

I would like to dedicate a paragraph at the beginning of this special issue in memory of Marty. Therefore, I would like to ask young researchers to submit a paper (a short paper is acceptable) for this special issue. Because he was one of the promising young researchers, and I would like to dedicate this special issue made by young researchers (of course, senior researcher too) to him.

Best regards,

Shu



### What advice would you give to a student entering an MSc/PhD project?

It's something we would like to develop within MSIS – how can we support students starting an MSc or a PhD in the area of MSI. Having direct interaction with established scientists can really help young, talented scientists from our community to grow and develop their career. We would like to organize mentoring sessions for young scientists in order to guide them through their academic or industrial career and share experiences and advice. This is also a very important aspect of the MSIS to promote the use of MSI and prepare the future of the technology with the next wave of scientists.

## CELEBRATING THE MEMORY OF OUR DEAR COLLEAGUE:

### Martin R. L. Paine



It is with great sadness that we relay news of the recent passing of Dr Martin (Marty) Paine. Marty was a colleague and friend to many within the mass spectrometry (and especially the imaging mass spectrometry) community around the world. Having started his research career at the University of Wollongong (Australia), Marty undertook postdoctoral research at the M4i institute in Maastricht (Netherlands) and the Georgia Institute of Technology (Atlanta, USA). His research in mass spectrometry spanned applications in polymers and additives, lipidomics, metabolomics, instrumentation development and imaging. Most recently, he had transitioned to an applications role at Imabiotech (France) where he continued to bring his enthusiasm for mass spectrometry to the pharmaceutical industry. Marty was always grateful for the support the mass spec community had given him to live such a rich, exciting and fulfilling life; opportunities he never imagined growing up in rural Australia. When he became ill in 2020, many of his friends and colleagues, rallied around to support him. The overwhelming response from all corners of the globe was a testament to Marty's impact on the field but, more importantly, his impact on all of us. We are all greatly saddened by the loss of a passionate and mischievous scholar and a wonderful friend.

Stephen Blanksby (Queensland University of Technology, Australia) and Shane Ellis (University of Wollongong, Australia)








Join the community and shape the future of MSI...



## MSI vacancies

Are you passionate about MSI and looking for a job in this area? Then maybe one of these opportunities is for you:

For job opportunities on our website: <https://ms-imaging.org/wp/view-jobs/>

	Postdoc in Molecular imaging of Alzheimer's disease pathology University of Gothenburg	Gothenburg, Sweden	<b>Full Time</b> Posted 23 seconds ago
	Molecular Imaging Scientist - MSI Expert AstraZeneca	Cambridge UK	<b>Full Time</b> Posted 2 weeks ago
	SAMDI Postdoctoral Fellow Position Northwestern University	Evanston	<b>Full Time</b> Posted 2 weeks ago
	PhD Position in Biomedical Mass Spectrometry Imaging Maastricht University	Maastricht, The Netherlands	<b>Full Time</b> Posted 4 months ago
	Franklin PhD studentship Rosalind Franklin Institute Adventure. Novelty. Engagement. Utility.	Harwell Campus, Oxfordshire	<b>Full Time</b> Posted 4 months ago

You have any vacancy and are actively looking to recruit to strengthen your team?  
Post your job ad at: <https://ms-imaging.org/wp/post-a-job/>

## Don't miss... In the next issue

We are discussing MS Imaging with:



**Prof. Martina Marchetti-Deschmann**

Vice president of the MSIS and Assoc. Prof. at Vienna University of Technology

**AND**

**Bram Heijs, PhD**

Group leader Mass Spectrometry Imaging  
Leiden University  
Medical Center (LUMC)



## MSIS Executive Committee



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Vice president:  
Martina Marchetti-Deschmann



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Markus Stoeckli



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Gerard Hopfgartner



Past president:  
Ron Heeren



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