



# Annual Review

2017–2018



The British  
Institute of  
Radiology

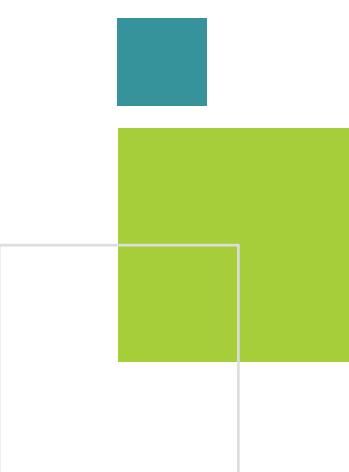
**The British Institute of Radiology (BIR)**

is the international membership organisation for everyone working in imaging, radiation oncology and the underlying sciences. We have approximately 2,800 individual and 35 company members.

**Our aims are to:**

- Support the work of our members and their colleagues to achieve professional excellence
- Provide continuing professional development for our multidisciplinary community
- Publish cutting edge research for our authors and readers across the world
- Influence and connect with the wider professional sector.

We are a not-for-profit organisation and are governed by and for our members.



Working together to improve **medicine, health and patient care** through the science and practice of imaging and radiation oncology.

## **Charter**

With origins dating back to 1897, the BIR is the world's longest standing radiological society. It was granted a Royal Charter in 1958 and became a registered charity in 1963.

## **Patron**

Her Majesty the Queen

## **Governance**

The Council is the governing body of the Institute. It normally comprises 12 trustees, six from the professions and industries represented by the Institute's membership and six appointed for their expertise in relevant subject areas.

Trustees are normally appointed for three years. Members of Council at 31 March 2018 were:

### **President**

Mr Andy Rogers

### **President-Elect**

Dr Jane Phillips-Hughes

### **Vice Presidents**

Professor Maryann Hardy

Dr Nicholas Screamton

Dr Alexandra Stewart

### **Honorary Treasurer**

Mr Andrew Craig

### **Honorary Secretary**

Dr Sridhar Redla

### **Trustees**

Mr Leighton Chipperfield

Mr Jonathan Cole

Ms Sharon Drake

Mr Peter Harrison

Ms Rebecca Rafiyah Findlay

Dr Nick Woznitza

Mr Matthew Dunn, Dr Julia Moore, Mr Charles Sloane and Dr Elspeth Whitby retired on 30 September 2017.

Dr Stephen Harden resigned in July 2017.

New trustees who joined on 1 October 2017 were Mr Jonathan Cole, Ms Sharon Drake, Dr Jane Phillips-Hughes, Dr Sridhar Redla, and Dr Alexandra Stewart.

## **Management team**

### **Chief Executive**

Mr Simon Thompson

### **Head of Education**

Dr Sarah Adibi

### **Head of Publishing**

Miss Sophia Anderton

### **Head of Membership and Communications**

Ms Carole Cross

### **Head of Finance & Operations**

Mrs Magdalena Howlett

## **Principal advisors**

### **Auditors**

Sayer Vincent,  
Invicta House,  
108–114 Golden Lane,  
London,  
EC1Y 0TL

### **Bankers**

Barclays Bank plc,  
1 Churchill Place,  
London,  
E14 5HP

### **Investment Managers**

Smith & Williamson,  
25 Moorgate,  
London,  
EC2R 6AY

### **Solicitors**

Blake Morgan,  
Seacourt Tower,  
West Way,  
Oxford,  
OX2 0FB

### **Registered office**

48–50 St John Street,  
London,  
EC1M 4DG

### **Registered charity number**

215869

# Introduction .

The BIR is a true membership organisation, with professionals around the world sharing expertise and time voluntarily for the advantage of colleagues and patients.

This year we estimate that more than 4,600 people contributed their knowledge and skills by authoring, peer reviewing, or editing our publications, speaking at events and helping organise them, taking part in BIR management and branch committees and representing the BIR on important committees.

We are multidisciplinary, bringing people together from different perspectives. We are also global. Contributors and readers of our journals are spread throughout the world. This year we built formal partnerships with sixteen sister organisations in Europe, Africa, Asia, Australasia and the Americas to help make it easier for us to share information and knowledge worldwide.

During the past year we have grown our reach and impact, improved our income, increased our membership, served an increased number of delegates, opened a new branch, launched a new publication, and built an online resource for our members comprising more than a hundred high quality educational videos.

I hope you enjoy reading this report, and will join us by getting involved in the growing opportunities the BIR affords to contribute, share, and develop your own career.

*Simon Thompson*

**Chief Executive**



# President's Report

This is my second and final report as BIR President and I am delighted to say that it has been a busy and productive year with some big achievements and with the news of exciting developments on the horizon.

We begin with the announcement of a new arrival, *BJRiOpen*, our latest journal. Fully open access and overseen by an international editorial board, it promises to add strength to our publishing arm and an important platform for advancing the fields of imaging and radiation oncology.

This year saw growth in our educational programme, with over 32 events serving more than 1,600 delegates. Many of our events are recorded so that members can view lectures at a later date. These, together with all our recorded webinars, provide a unique portfolio of online resources which are gaining a reputation as vital educational tools. Getting time off to attend events is challenging for many of us so this member benefit will grow and develop in years to come.

Our Annual Congress was the biggest yet and offered a fantastic opportunity for delegates to review their practice, explore current thinking and, importantly, to meet new people and catch up with old friends. Personally, I always find this particular event is a great opportunity to broaden one's mind a little and get a taste of a topic out of your comfort zone.

This year I have shaken more hands and appeared in more photos than I ever dreamed of and it has been an absolute delight to meet so many members of our new World Partner Network and discuss the challenges that face multidisciplinary teams across the globe. This new initiative embraces our ethos of sharing education and best practice, not just in the UK but internationally, and we look forward to seeing this project bloom in the years to come.

Our branch committees work hard to provide events focussed on local need and issues, and to act as focal points for members across the UK. I would like to welcome our new Northern Ireland branch, and thank all branch committee members for their devotion and commitment.

Our special interest groups (SIGs) sit at the heart of our organisation and epitomise our ethos of multidisciplinary working. SIG management groups meet several times a year and not only deliver outstanding educational events and online resources, but also help shape and galvanise their fields through participation in the policy making and guideline setting processes. We have been particularly active this year in helping to improve safety for patients and staff through our involvement in a number of committees and working parties.

And finally I'd like to end on a personal note of thanks to all those who have supported me in the role of President. The BIR staff work tirelessly for us all and members who give their time for free are the bedrock of the BIR. To all of you, a heartfelt thank you!



*Andy Rogers*

**President**

# Publishing .

## *BJR|Open* – our brand new open access journal

We are proud of our reputation as an independent publisher. *BJR* and *BJR Case Reports* publish papers across the whole of the radiological sciences, including radiology, radiation oncology, radiobiology, medical physics, nuclear medicine and all allied areas. We also publish *DMFR* (DentoMaxillofacial Radiology), on behalf of the International Association of Dentomaxillofacial Radiology, as well as a number of book titles.

This year we announced a new addition to our family of journals. *BJR|Open* will provide readers and authors with more choice in where to read and publish and will benefit from the same rigorous, double blind peer review undertaken by all BIR journals. With the added benefit of being fully open access, articles will be free to read for all and receive high visibility.

We are delighted to announce that Professor Katja Pinker, Professor of Radiology at Memorial Sloan Kettering Cancer Center, New York, USA and Professor Habib Zaidi, Chief Physicist at Geneva University Hospital, Switzerland are *BJR|Open*'s founding Editors-in-Chief.

## **BJR|Open**



“ ...a fantastic home for high quality research, offering authors the opportunity to disseminate their work widely amongst the radiology community. ”

Professor Habib Zaidi



Andy Rogers with Professor Katja Pinker

“ ...a really exciting time for the field of radiology, with new methods and technologies emerging, and we aim to reflect this and publish high quality research from across our multidisciplinary community. ”

Professor Katja Pinker

The screenshot shows a computer screen displaying the Kriyā manuscript management system. A manuscript titled "Imaging of osteoarthritis—recent research developments and future perspective" is open. The interface includes a toolbar with various icons for file operations like Save, Export PDF, Export XML, Approve, and Log Out. The main workspace shows the manuscript content with several author names and their institutional affiliations listed. A sidebar on the right shows communication history with other users, including messages from Dr. Daichi Hayashi (AUTHOR) and Dr. Arack (EDITOR). The bottom of the screen displays a navigation bar with links to "Home", "About", "Contact", "Help", and "Logout".

Correcting article proofs on Kriyā

# Making it easier for authors to produce world class papers

## Improving the process

Researching and writing the paper is a challenging and lengthy business. So we want to help make the next step in the process, publishing the paper, as swift and seamless as possible.

## Online proof checking tool

This year we introduced Kriyā, the online proof checking and correction tool.

After acceptance, all authors can now apply their proof corrections directly into their manuscript via an easy-to-use online interface. BIR authors already enjoy some of the fastest times from acceptance to final publication around and the new online portal makes publication of articles even more streamlined and considerably easier and faster than ever before.

**“ I really like the Kriyā editing system. It is one of the best editing systems that I have used for publishing articles in journals. ”**

**Prashant Chandrasekharan,  
University of California Berkeley, USA**

## Recognition for our reviewers

All our articles are reviewed by expert volunteer clinicians and scientists. To help ensure they gain the recognition they deserve, we have partnered all our journals with *Publons*, a cross-publisher service which means our reviewers gain recognition for their work.

**“ Publons is becoming an invaluable resource. It’s a win-win proposition that takes little effort to use yet provides substantial rewards! ”**

**Professor Elizabeth Krupinski,  
Emory University, USA**

## What members get:

- Free online access to *BJR* and its entire back catalogue
- 45% discount on author processing charges to publish in *BJRcase reports*
- Free online access to *Imaging*, an archive of educational review articles
- Free online and hard copy subscription to *Health Management* journal and online access to its libraries of journals
- 25% discount on BIR books and posters



Listen to our podcasts on your mobile phone

## Learning on the go...

It's vital to keep abreast of the latest research and appreciate different perspectives. And the ability to listen and learn on the go is very important to our members. That's why we have introduced a range of podcasts from our editors, authors and staff, discussing selected *BJR* articles on a range of topics from workforce challenges to early lung cancer diagnosis and screening.

[www.birpublications.org/podcasts](http://www.birpublications.org/podcasts)





# A Global Organisation .

The BIR is a global organisation, with members, contributors, authors, readers and viewers all over the world.

This year the BIR World Partner Network was established to help improve the scope and value of imaging and radiation oncology for patients across the world by sharing knowledge with members of partner organisations.

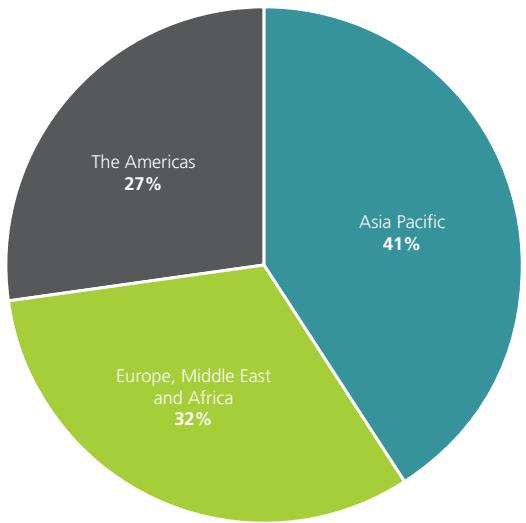
**Sixteen societies are now members, and this number continues to grow.**

## BIR World Partner Network members

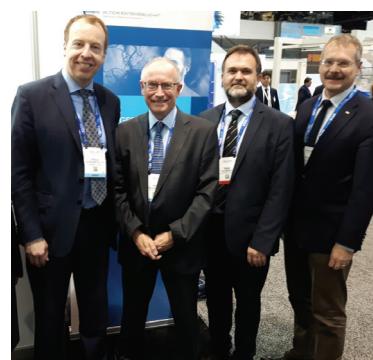
- Sociedad Argentina de Radiología
- Argentine Federation of Associations of Radiology, Diagnostic Imaging and Radiotherapy
- Australian Society of Medical Imaging and Radiation Therapy
- Brazilian College of Radiology and Diagnostic Imaging
- Canadian Association of Medical Radiation Technicians
- Chinese Society of Radiology
- German Röntgen Society
- Hong Kong Society of Radiology
- Indian Radiological and Imaging Association
- International Society of Radiographers and Radiological Technologists
- Israel Radiological Society
- Japanese Radiological Society
- Russian Society of Radiology
- Radiological Society of South Africa
- Spanish Radiological Society
- Taiwan Radiological Society

**“ We have been very impressed with the scheme—the commitment works! We look forward to more developments and working with the BIR in the future, exchanging scientific and academic materials. ”**

**Dr Juan Mazucco, President of the Sociedad Argentina de Radiología**



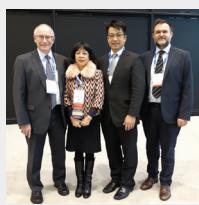
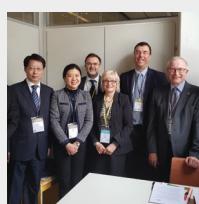
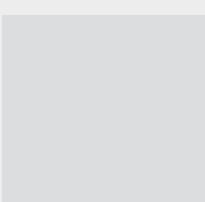
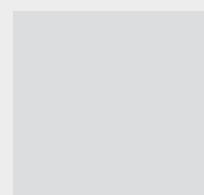
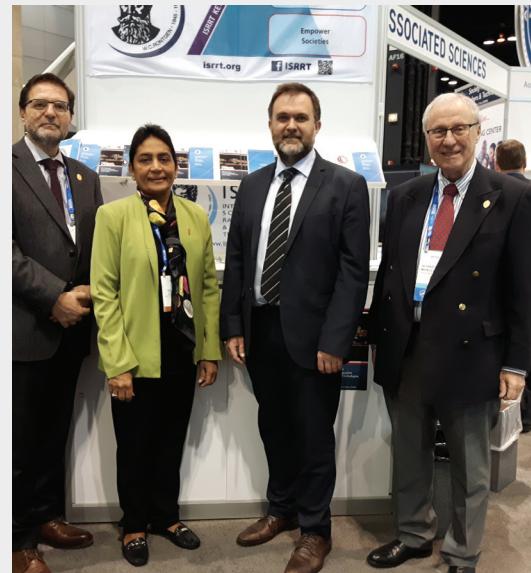
BIR journal subscriber locations





**“** The BIR World Partner Network allows us to share knowledge and to better know our colleagues from other countries. We are able to offer our members quality professional documents and training materials as well as exchange of information about our societies' activities and congresses. We are confident this network will provide mutual benefit to all the member societies and to society in general. **”**

**Dr. Àngel Gayete Cara**  
President of SERAM (Spanish Society of Radiology)



# Education .

This year we grew our events operation, delivering 32 events for more than 1,600 delegates.

This included our first event held in mainland Europe, with the BIR/DMCI "Hands-On" HRCT course in Geneva which reached maximum capacity.



**“** Fantastic overview of practical HRCT interpretation. The “hands-on” element made this a much more valuable learning experience than a conventional lecture-based course. **”**

**BIR/DMCI "Hands-On" HRCT, Geneva,  
September 2017**

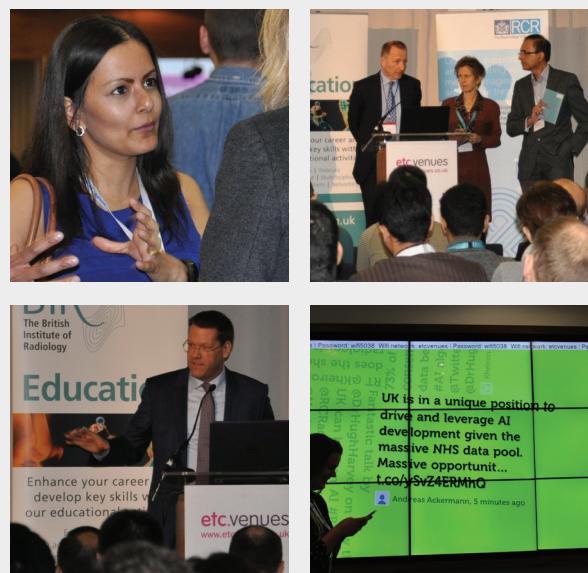
In-person events provide an opportunity to catch up on important legislation or meet up with colleagues to share best practice.

The sold-out "New Ionising Radiation Regulations: What does it mean for me?" event in September 2017 was repeated in Manchester in February 2018 due to popular demand.

This year the "Artificial Intelligence: Threat or Opportunity" event offered visions of the future of AI from some of the leading experts in the field to an audience of professionals including radiology trainees, scientists, consultant radiologists, oncologists and radiographers.

**“** Fantastic, innovative and thought provoking. Excellent lecturers. One of the most fascinating conferences I have been to, and hugely relevant for the future of radiology. **”**

**Delegate at "Artificial Intelligence: Threat or Opportunity", March 2017**



**Education and networking at Artificial Intelligence: Threat or Opportunity**

# A new online learning library—education when you need it

We regularly ask our members about what they need to help meet their learning and CPD needs, and education on demand is increasingly necessary for people working in complex, fast changing fields of practice.

Our members now have access to a range of over 100 online video resources via a new section of our website. These cover topics ranging from early cancer diagnosis, CT, MRI, publishing research or artificial intelligence.

BIR members can access free recorded webinars, lectures from our key events and training videos. Our online resources are complimentary for BIR members and a limited selection remain free of charge for non-members. A range of live webinars is free to all.

**“ The BIR webinars are fantastic—they have set the benchmark for top-rate online resources and CPD. ”**

**Levi Cheng, Head of Business Unit,  
Imaging Solutions and Services, Guerbet**



Dr Adrian Crellin, Hazel Pennington and Professor Stuart Green prepare for their third Proton Therapy live webinar.

Emergency Radiology was the theme of the International Day of Radiology on 8 November 2017 and we marked the occasion with a live webinar by Professor Mariano Scaglione, Past President of the European Society of Emergency Radiology (ESER).

**Professor Mariano  
Scaglione, Past  
President of the  
ESER**



## What members get:

- Discounts on approved and CPD-accredited educational events
- Free access to a library of on-demand webinars, filmed lectures, speaker podcasts and postcasts
- Participation in free live webinars with CPD accreditation and reflective learning opportunities
- Free access to Primal Pictures multimedia 3D anatomy software for teaching and learning
- A personal online resource, MyBIR, to store CPD certificates and provide access to member-only resources
- Access to *BJR* and other publications

# Annual Congress

## Our biggest Annual Congress yet.

The BIR Annual Congress has gained a reputation as one of the best events for practical updates on current practice and guidelines as well as insight into new research and topical debate.

This year's event was bigger and better than ever, with over 200 delegates, who also gave the event its highest rating yet for educational quality. It included an exhibition and digital poster display.

The Congress offered parallel sessions over the course of two days, with topics including breast, gynaecology, lung, MSK, paediatrics, primers for the non-specialist and workforce challenges and imaging innovations.

**“ A very comprehensive and well-structured programme. ”**



Professor Maryann Hardy takes the microphone in the multidisciplinary debate on workforce challenges.



Viewing the electronic posters



Dr Elizabeth Loney



Dr Neelam Dugar

**“ Great networking, great lectures and plenary learning. ”**

# Focus on Safety ■

Safety for patients and staff is of vital concern for imaging and radiation oncology professionals and a key area of expertise for the BIR.

The Radiation Safety Special Interest Group (SIG) is a truly multidisciplinary group in which practitioners and scientists work together to develop education, best practice, and policy.

This year the SIG produced two sell-out events on the new Ionising Radiation Regulations (IRR 2017) and a complementary webinar on this topic by Public Health England expert, Steve Ebdon-Jackson.

## Personal dosimetry

The group also published *BJR* articles on UK guidance on the management of personal dosimetry systems for healthcare staff working at multiple organisations ([doi.org/10.1259/bjr.20170363](https://doi.org/10.1259/bjr.20170363)) and Co-operation of employers in the area of personal monitoring: a commentary on BIR guidance on the UK regulatory situation ([doi.org/10.1259/bjr.20170362](https://doi.org/10.1259/bjr.20170362)).

## Responding to guidance and regulations reviews

The SIG issued a consultation response to HSE (Health Safety Executive) on IRR 2017 and attended stakeholder meetings and provided a response to the Department of Health consultation on the Ionising Radiation (Medical Exposure) Regulations (IR(ME)R) 2017.

## Making regulations clearer

The regulations on purchasing personal protective equipment (PPE) are changing. To ensure everyone understands the implications of the new rules, the SIG produced a position paper to help professionals make informed choices.



## MR Safety podcast

Spreading the word about MR safety is hugely important and this year, to mark MR Safety Week (25 July 2017), we released a podcast by Alan Bainbridge.

## BIR has representation on:

- BIR-led working party: Guidance on using shielding on patients for diagnostic radiology applications
- CLIPS Committee for Liaison with IRPA and Partner Societies
- CQC-led working party: Defining significant events
- HSE review group for REPPIR:Radiation (Preparedness and Public Information) Regulations revision
- IPEN-led working party: Communicating risk and benefit to patients and comforters and carers
- PHE National Dosimetry Working Party
- RCR-led working party: Revision of IR(ME)R guidance for radiology
- RCR-led working party: IR(ME)R audits in radiology

## BIR/GE Radiation Safety Award

To help raise awareness of radiation safety across the professions the first BIR/GE Radiation Safety award was presented this year. This funds the recipient to travel to a radiation safety conference of their choice to present their work in the form of a presentation or poster. Congratulations to this year's recipient, Mr Mark Worrall of Ninewells Hospital, Dundee, for his creation of a computational model to accurately estimate the thickness of an attenuator from a single digital radiograph.



**Left to right:** Simon Hemsworth, Marketing Manager, Northern Europe (GE Healthcare), Mark Worrall (Ninewells Hospital), Andy Rogers, BIR President and Dawn Philips, Sales and Marketing Leader (GE Healthcare)

# Branches across the UK

BIR regional branches give our members an opportunity to network and share best practice within their local setting. Branch meetings can bring together local professionals to address issues of local need or repeat larger events around the country, enabling a wider audience to access popular sessions.

Our regional branches produced eight highly successful events during the year.

## East of England

Update on GI Imaging  
GU Imaging Update

## Scotland

PET/CT for the general Radiologist  
Learning from Errors

## South West

PET/CT

## Wales

Emergency Imaging  
Forensics

## Wessex

Imaging in Major Trauma

We are pleased to announce the new Northern Ireland branch, the first in this area which is led by Denise Crone, Education and Lead Radiographer in Belfast Health and Social Care Trust.



Dr Kannan Rajaparan,  
Chair of the Clinical  
Imaging SIG



The North of England  
branch meeting



Dr Dhaara Bhatt and Dr Shayan Ahmed working in the Clinical Imaging SIG

Dr Sridhar Redlar,  
Clinical Imaging SIG



Northern Ireland Branch

We currently have branches in the following regions:

Branch	Chaired by
East of England	Dr Nicholas Screaton, Consultant Cardiothoracic Radiologist, Papworth Hospital, Cambridge
London	Dr Amanda Isaacs, Consultant Musculoskeletal Radiologist, Guy's and St Thomas' Hospitals NHS Foundation Trust
Midlands	Dr Salil Karkhanis, Consultant Radiologist, New Queen Elizabeth Hospital, Birmingham
North of England	Dr Lorna Sweetman, Clinical Scientist and Radiation Protection Adviser, The Christie NHS Foundation Trust
Northern Ireland	Ms Denise Crone, Education and Lead Radiographer, Belfast Health and Social Care Trust
Scotland	Dr Giles Roditi, Consultant Radiologist, Glasgow Royal Infirmary
South West	Dr Jenna Millington, Army Radiology Registrar, Plymouth
Wales	Dr Amy Clayton, Consultant Radiologist, Princess of Wales Hospital, Bridgend
Wessex	Dr Ausami Abbas, Consultant Radiologist, University Hospital Southampton NHS Trust Foundation Trust

# Special Interest Groups.

The BIR's special interest groups (SIGs) bring together experts from across the disciplines. These volunteer groups organise world-quality practical and relevant educational events for our community, produce educational materials, and contribute towards the development of guidelines, policy and vision for their fields.

Anyone interested in keeping up to date with the activities of each SIG or getting involved with their activities can join the "Open SIG". The management group for each SIG meets around three times a year to plan, organise, and make decisions.

All the Chairs of our SIGs and regional branches get together annually to share ideas and best practice.

We currently have SIGs in the following subject areas:

Branch	Chaired by
Clinical Imaging	Dr Kannan Rajesparan, Consultant Musculoskeletal Radiologist, University College London Hospital
Clinical Intelligence and Informatics	Dr Vijay Jayaram, Consultant Radiologist, Northwick Park Hospital. He replaced Dr Andrew Reilly in 2017
Magnetic Resonance	Dr Shonit Punwani, Consultant Radiologist, University College London
Nuclear Medicine and Molecular Imaging	Dr Shaunak Navalkissoor, Consultant Physician in Nuclear Medicine, Royal Free Hospital, London
Oncology and Radiotherapy	Ms Nicola Blackler, Head of Treatment Planning, Derriford Hospital, Plymouth
Radiation Safety	Mr Peter Hiles, Head of Radiation Physics, North Wales
Young Professionals and Trainees	Dr Jim Zhong, Specialist Registrar in Radiology, Leeds University Hospitals



## What members get:

- Opportunities to join a range of online multidisciplinary SIGs to share knowledge and influence good practice
- Opportunities to join a SIG management committee to support the development of education and guidance documents
- Local events with the possibility of becoming more closely involved by joining a regional branch committee
- Free optional membership of the International Radiation Protection Association
- Special discount on membership of the Royal Society of Medicine
- Special discount on membership of the Institute of Physics
- Raising the profile of imaging for the future workforce



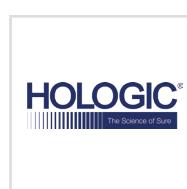
# Raising the profile of imaging for the future workforce.

Getting young people inspired to think of radiology, radiography or medical physics as a career option is vital for building the workforce of the future.

Here, as part of the UKRCO Schools Education programme, BIR volunteers Glafkos Havariyoun, a medical physicist from King's College Hospital NHS Trust and Sophia Thom, a radiographer from Leicester Royal Infirmary explain how ultrasound works.

# Our Corporate Members

Our corporate members are integral to the BIR community. We thank our corporate members for their involvement and support and the individuals who volunteer on Council, in SIGs, branches, and our various committees.



# What Our Members Say



**Glafkos Havariouyan**  
**Physicist**

I'm a Clinical Scientist working in Medical Engineering and Physics at King's College Hospital. My interests are in the optimisation of medical imaging, use of big data in medical physics and imaging.

I joined the BIR on recommendation from a colleague, and I was very impressed by the broad range of topics and professionals it covers.

Since then I have been involved with a number of BIR SIGs including the YPAT and Nuclear Medicine SIGs and more recently the Education committee. I help plan educational events and conferences and I am able to meet and discuss our concerns, needs and ambitions with other radiology healthcare professionals outside a normal working environment. Being a member of the BIR and its committees and SIGs gives us the great opportunity of developing tools, resources and events that we think are missing out there.

Saying that the BIR helps me almost on a daily basis would be no exaggeration to be honest. It will be rare that I don't use a BIR publication, resource or *BJR* article for work or personal development.

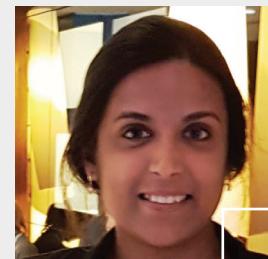
Last but not least, I have been able to reach out to about 500 school students over two annual UKRCs until now which was great fun! Ensuring we engage and gain the interest of young students is essential for ensuring the future workforce of healthcare science and radiology.

I am a 5th year radiology trainee, based at Queen Elizabeth University Hospital in Glasgow and I have an interest in gastrointestinal and abdominal radiology.

I first heard about the BIR on recommendation from other trainees. I got to know about the variety of educational events that they organise, which cover all aspects of radiology training and career development. I have been to several BIR talks including the "Future of Radiology in the NHS—Top Topics"; "Emergency and Out of Hours Radiology"; "Trauma Imaging", and "PET-CT for the General Radiologist". I have learned a lot from these talks and have applied the knowledge gained to my day-to-day practice. Furthermore, these talks also provide a social platform and I have got to know fellow radiology trainees and consultants well.

I've now volunteered to be a BIR Ambassador so that I can spread the word to other new trainee radiologists.

**Dr Henna Singh**  
**Radiology Trainee**



**“ Saying that the BIR helps me almost on a daily basis would be no exaggeration to be honest. It will be rare that I don't use a BIR publication, resource or BJR article for work or personal development. ”**



I am Brilliant Radiology Solutions Business Leader for GE in UK and Ireland. My scientific interests include anything that can improve patient experience in radiology and scientific solutions to address X-ray and MR scanning harmonisation and optimisation.

I am a member of the Radiation Safety Special Interest Group (SIG) management group as GE is a corporate member. The BIR has helped my career with great networking opportunities and helped my understanding and experience of how professional bodies, such as the BIR, can help lead change in radiology through education. For example, being a member of the SIG has allowed me to contribute an OEM's (Original Equipment Manufacturer's) perspective on radiation safety topics and education.

**Dawn Phillips**  
**Brilliant Radiology  
Solutions Business  
Leader, GE**

I strongly advise other people from OEMs to get involved with the BIR. At the BIR, corporate members are seen as part of the jigsaw that make up an effective radiology department and being part of the BIR allows companies to provide pragmatic perspectives on the BIR education programme which helps serve the radiology community and focus on future needs and trends.



## Darren Hudson MRI Lead Radiographer

I am MRI Clinical Lead for InHealth, working as part of the Clinical Quality team and providing professional leadership for the 400+ MRI radiographers that work within the organisation. My role encompasses many aspects of MRI, from quality and governance to education and training. My particular interests are in MRI Safety and patient experience.



I am a member of the BIR because InHealth, a BIR corporate member, provides membership for all their staff. I hadn't really come across the BIR beforehand, thinking it more a radiologist organisation, but have since found many benefits to being a member as a radiographer and the resources it allows access to. The webinars are relevant and current to clinical practice and informative and engaging. We are using our access to the various *BJR* journals more to support our internal training within MRI using the BIR access to Primal Pictures anatomy software in our teaching.

I have become a member of the BIR MR Special Interest Group which is a multidisciplinary group that discusses current issues in MRI and works together to promote activities within the modality.

**“ Being a member has increased my awareness of *BJR*, and encouraged me to submit an article which I would have otherwise not considered. We try to encourage active use of our membership to all staff as it is a useful resource to support continuing professional development. ”**

I am a Consultant Oncologist at The Royal Marsden and a Clinician Scientist at The Institute of Cancer Research, and I joined the BIR when I was a clinical oncology trainee. My PhD research project on functional Magnetic Resonance Imaging (MRI) and adaptive radiotherapy techniques aimed to address unanswered questions which sat at the interface of three disciplines, radiation oncology, radiology, and clinical physics. My initial motivation for joining the BIR was to access their inter-disciplinary forward-looking educational programme which was relevant to my research. As well the excellent face to face meetings, I found the webinars and e-learning resources particularly helpful.

As a member of the Young Professionals and Trainee (YPAT) SIG management committee, I have had the opportunity to help organise two national meetings and act as sessional chair for *The Functional Imaging in Radiotherapy* meeting. This helped me further develop my management and organisational skills I was asked to represent the BIR at the European Organisation for Research and Treatment of Cancer (EORTC) and at The European Society for Radiotherapy and Oncology (ESTRO). Having the opportunity to present at these international organisations has certainly helped me to widen my research network outside the UK. Many of the contacts I made at that time have gone to become collaborators on a number of my current research projects.

I am now a member of the oncology and radiotherapy management group and I continue to get a lot out of my voluntary contribution. I am the publication lead for the group. The opportunity to exchange ideas with enthusiastic experts from all disciplines who have shared vision of working with members and colleagues to achieve professional excellence maintains my on-going relationship with the BIR.



**Dr Shaista Hafeez**  
Consultant Oncologist

# Awards & Prizes

The Institute offers a number of awards and prizes each year. The following eponymous lectures and prizes were awarded in 2017.

Lecture	Description	Recipient	For
<b>Mayneord Memorial Lecture (sponsored by Toshiba)</b>	Founded in memory of Professor V M Mayneord CBE FRS, past president and honorary fellow of the BIR. The lecture is given at UKRCO and the recipient is awarded £1,000.	<b>Professor Keith McNeil</b>	Lecture entitled "A 21st century NHS-delivering tomorrow's medicine, today".
<b>Sir Godfrey Hounsfield Lecture</b>	Established in honour of Sir Godfrey Hounsfield and his pioneering work in CT. The lecture is normally given at the BIR's annual congress and attracts a stipend of £1,000.	<b>Dr Gareth Davies</b>	Lecture entitled "Early cancer diagnosis—can radiology make a difference".
<b>Nic McNally Award (supported by The Gray Laboratory Cancer Research Trust)</b>	In memory of Dr Nic McNally, this award for cancer research is in the form of a travel bursary of £750 to attend a conference. The prize is awarded to a young scientist within five years of appointment to a senior post in a non-clinical role.	<b>Dr Lingjian Yang</b>	Presentation entitled "Development and validation of a 28-gene hypoxia signature for localised prostate cancer".
<b>Mackenzie Davidson Research Award (sponsored by Siemens Healthineers)</b>	In memory of Sir James Mackenzie Davidson, this pump-priming award of £1,000 provides initial financial support for research in the fields of radiology, radiotherapy, oncology, radiography or medical physics.	<b>Dr Sotirios Bisdas</b>	Research project entitled "Functional and structural connectivity substrates of cognition alterations in glioma patients receiving chemoradiation".
<b>Make It Better Service Award (sponsored by IEL)</b>	The award is given to the group of people who have demonstrated the best improvement in an aspect of service delivery by making it more effective or have improved patient experience. The winning team receives a plaque and up to £1,000 to attend UKRCO.	<b>Mrs Victoria Ballard, Ms Katherine Day and Dr Madhumita Shrotri</b>	For their work on improving radiographer-led discharge pathways.



<b>Barclay Medal Barclay Medal</b>	Founded in memory of Dr Alfred Ernest Barclay, the medal is awarded to the person whose contribution to <i>BJR</i> has been a piece of original research of special merit (medical or scientific), contributing to the science and practice of radiology. The recipient receives a medal and £500.	<b>Dr Patrick Murray</b>	A systematic review of outcomes following stereotactic ablative radiotherapy in the treatment of early-stage primary lung cancer. <a href="https://doi.org/10.1259/bjr.20160732">doi.org/10.1259/bjr.20160732</a>
<b>Early Career Investigator Award</b>	This award of £250 plus a certificate is aimed at encouraging early career professionals in the general areas of diagnostic imaging, radiotherapy and related topics to carry out and publish research.	<b>Dr Dominik Benz</b>	A low-dose and an ultra-low-dose contrast agent protocol for coronary CT angiography in a clinical setting: quantitative and qualitative comparison to a standard dose protocol. <a href="https://doi.org/10.1259/bjr.20160933">doi.org/10.1259/bjr.20160933</a>
<b>Dr Prafulla Kumar Ganguli Award</b>	This award is funded from a legacy left to the BIR by Dr Ganguli. The award of £250 is made to the author of the best original case report published in <i>BJR Case Reports</i> during the previous calendar year.	<b>Dr Liam Kavanagh</b>	Symptomatic synovial herniation pit—MRI appearances pre and post treatment. <a href="https://doi.org/10.1259/bjrcr.20160103">doi.org/10.1259/bjrcr.20160103</a>
<b>BIR Radiation Safety Travel Award (sponsored by GE)</b>	This award was established in order to fund the recipient to travel to a radiation safety conference of their choice to present their work in the form of a presentation or poster.	<b>Mr Mark Worrall</b>	The creation of a computational model to accurately estimate the thickness of an attenuator from a single digital radiog.



# Finance .

The Institute recorded a net deficit of £175k for the 12 months to 31 March 2018, in comparison to a net surplus of £382k for the 12 months to 31 March 2017. At an operating level, the Institute recorded a deficit of £170k in comparison to a deficit of £236k in the previous year.

Income for the 12 months to 31 March 2018 was £1.71 million compared to £1.61 million in the 12 months to 31 March 2017. The principal sources of revenue are publishing (£928k), education (£379k) and membership (£232k).

Expenditure for the year was £1.88 million for the 12 months to 31 March 2018 compared to £1.85 million for the 12 months to 31 March 2017. The principal areas of expenditure were publishing (£790k), education (£759k) and membership (£296k).

There was an improvement in core operations, resulting in a reduction in the operating deficit. However the value of the investment portfolio dropped slightly, resulting in an overall deficit. This contrasts with the previous year, which benefitted from an increase in the value of the investment portfolio.

The Institute continued to focus on fulfilling its core objectives: providing higher quality education and information to greater numbers of people, whilst at the same time moving closer towards an operating surplus to ensure the Institute is financially sustainable.

Key developments included a more effective member retention programme, which improved membership renewals from 64% to 72%. This was coupled with the introduction of online direct debit payment as the default for membership, which is expected to improve the renewal rate still further in future years.

We provided face to face training to 1,641 delegates—a significant increase—whilst at the same time gaining improved ratings for quality, with 96% of delegates rating the events “good” or “very good” for educational content. We placed greater emphasis on popular topics, and managed to reduce our cost-per-delegate through more careful procurement and advance planning.

Our journals continued to flourish, with increased revenue from Open Access publishing and a significant improvement in the Impact Factor of our flagship journal, *BJR*.

The Institute reached out to partner organisations throughout the world by launching the BIR World Partner Network—a collection of organisations representing imaging and oncology professionals. Sixteen organisations joined the scheme, which will initially involve sharing educational content, and may grow to include collaboration on other matters of international relevance.

## Statement of Financial Activities

Year Ended 31 March 2018	2018 £'000	2017 £'000
<b>INCOMING RESOURCES</b>		
Publishing	928	905
Education	379	319
Membership	232	204
Voluntary income	0	0
Other Income	171	181
<b>Total Incoming Resources</b>	<b>1,710</b>	<b>1,609</b>
<b>RESOURCES EXPENDED</b>		
Publishing	783	778
Education	751	717
Membership	292	288
Costs of raising voluntary income	0	0
Governance costs	18	18
Other	8	9
Investment management fees	28	35
<b>Total Resources Expended</b>	<b>1,880</b>	<b>1,845</b>
<b>Net outgoing resources for the year</b>	<b>(170)</b>	<b>(236)</b>
<b>Unrealised gain (loss) on investments</b>	<b>(5)</b>	<b>618</b>
<b>Net movement in funds</b>	<b>(175)</b>	<b>382</b>
<b>Funds brought forward</b>	<b>5,319</b>	<b>4,937</b>
<b>Funds carried forward</b>	<b>5,144</b>	<b>5,319</b>
<b>Balance Sheet as at 31 March 2018</b>	<b>2018 £'000</b>	<b>2017 £'000</b>
Tangible Fixed Assets	188	240
Investments at Market Value	5,132	5,169
<b>Total Fixed Assets</b>	<b>5,320</b>	<b>5,409</b>
<b>Current Assets</b>	<b>739</b>	<b>785</b>
<b>Current Liabilities</b>	<b>(915)</b>	<b>(875)</b>
<b>Net Assets</b>	<b>5,144</b>	<b>5,319</b>

## Trustees' Statement.

These summarised accounts contain information from the statement of financial activities and the balance sheet for the year ended 31 March 2018, but are not the full statutory reports and accounts.

The auditors, Sayer Vincent, have issued an unmodified report on the full financial statements and on the consistency of the trustees' annual report with those financial statements, which were approved by the Council on 21 June 2018 and have been submitted to the Charity Commission.

The summarised accounts may not contain sufficient information to allow for a full understanding of the financial affairs of the Institute. For further information, the full statutory report and accounts can be downloaded from the Institute's website at [www.bir.org.uk](http://www.bir.org.uk).

**Andy Rogers**, President  
*Signed on behalf of the trustees*



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**www.bir.org.uk**

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