Gail ter Haar

Ultrasound in Medicine and Biology
United Kingdom

Prof. Gail ter Haar took her first degree in Physics from Oxford University. Following a master's degree in Medical Physics from Aberdeen University, she studied for her PhD in Physics at Guy's hospital, in London. She also holds a D.Sc. in clinical medicine from Oxford.

Gail's research interests have always lain primarily in understanding the way in which medical ultrasound interacts with tissue, especially the physical mechanisms involved in producing bio-effects (primarily heating & acoustic cavitation) with a view to understanding its safety when used in diagnosis, and to harnessing these effects for therapeutic benefit. Most recently her research has concentrated on developing devices and protocols for ultrasound based treatments of cancer.

Gail is founding President of the International Society for Therapy Ultrasound (ISTU). She is an honorary member of BMUS, honorary fellow of the American Institute for Ultrasound in Medicine, and fellow of the Acoustical Society of America and IPEM. She is Deputy Editor of "Ultrasound in Medicine and Biology", associate editor of "Ultrasonics" and on the editorial boards of International Journal of Hyperthermia, Medical Physics & Journal of Therapeutic Ultrasound. Gail has written 5 books and 32 book chapters, and over 200 peer reviewed research papers.

In 2014 her team was recognised by being made a Centre of Excellence for HIFU physics and bone studies by the Focused ultrasound Foundation.

Gail has been primary, or co-, supervisor of 29 PhD students, and 9 MS or MD students. She has raised over £5m as principal investigator, and a further £7m as co-investigator over the last 10 years. Her primary sources of funding have been EPSRC, NEAT (UK NHS) the

Focused Ultrasound Foundation. She has also receive EU funding from the EUROMET DUTy project.