

ICRP Committee 3 on Radiation Protection in Medicine Mini CV of Members as in May 2010

[Eliseo Vañó \(Chair\)](#)

[Jean-Marc Cosset \(Vice Chair\)](#)

[Madan Rehani \(Secretary\)](#)

[Katrine Åhlström Riklund](#)

[Lawrence T. Dauer](#)

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Prof. Eliseo VANO, PhD

Professor Vano has a PhD in Physics and is specialist in Medical Physics. He is full Professor of Medical Physics at the Radiology Department at the Faculty of Medicine of the Complutense University of Madrid. He is Head of the Medical Physics Service at the San Carlos University Hospital. Prof. Vano is advisor to the Spanish Ministry of Health for radiation protection in medical exposures. He is author of a large number of publications on radiological protection and quality assurance in diagnostic and interventional radiology. He is a member of the group of experts of the Article 31 of the EURATOM Treaty, member of the Editorial Advisor Panel of the British Journal of Radiology, European Journal of Medical Physics and Medical Physics Journal. Prof. Vano is member, and present Chairman of the Committee 3 of ICRP. He is also a consultant of the IAEA and the link with UNSCEAR for the Spanish data on medical exposures.

Prof. Jean Marc COSSET, MD

Professor, Oncology-Radiotherapy (Professeur des Universités - Praticien hospitalier) - Paris XI University. Head, Radiotherapy department, Institut Curie, Paris– 1991-2006; honorary head, 2006-present. Editor-in-chief of the French "Bulletin du Cancer" (1988-1996), Editor emeritus of "Cancer Radiotherapy" (1996-present), Associate Editor of "Brachytherapy" (2002 – present) and a member of the editorial board of a number of oncology and radiotherapy journals. IAEA expert (Consultant service meetings in Vienna and interventions on irradiation accidents since 1997). Former President, French Society for Radioprotection (SFRP) 1991 – 1992 and former Administrator of the French "OPRI" (Office de Protection contre les Radiations Ionisantes : French Office of Protection against ionizing radiations). Breur Medal recipient (ESTRO 2001). Member of ICRP Committee 3 since 1997, Vice-

chairman of ICRP Committee 3 since 2006. Author of more than 250 papers (Pubmed) and of more than 90 books and book chapters.

Prof. Madan M. REHANI, PHD

Madan Mohan Rehani has been working at the International Atomic Energy Agency, Vienna since Dec. 2001 as Radiation Safety Specialist. He was earlier Professor & Head of Medical Physics Unit at Cancer Hospital of the All India Institute of Medical Sciences New Delhi, India and Head, WHO Collaborating Centre on Imaging Technology & Radiation Protection which he established. He is currently responsible for radiation protection activities in applications of radiation in medicine and coordinates projects in over 60 countries. He is responsible for establishing and maintaining the website <http://rpop.iaea.org>. He has established number of new training programs, in particular for cardiologists and other doctors using X rays and has prepared number of training material. He established and coordinates a network of Asian cardiologists in radiation protection. Member of ICRP since 1997 and was Chair of the Task Groups that resulted in Annals of ICRP 87 and 102 both on Managing patient doses in computed tomography. He was President, Society of Nuclear Medicine, India, 2001, President UPDEL Chapter of the Association of Medical Physicists of India (1990-94), was awarded Homi Bhabha Memorial Oration in 1999, Dr. K.M. Rai oration by Indian Radiological & Imaging Association 2001 and Harold Johns Medal by IOMP in 2009. Founder Fellow and Secretary of the Indian College of Nuclear Medicine. He is currently Secretary-General of IOMP.

Prof. Katrine ÅHLSTRÖM RIKLUND, MD, PhD,

I am a senior consultant in clinical radiology and nuclear medicine and a Professor in Radiology at Umeå University Hospital and Umeå University, in Sweden. I am also the vice dean of the medical faculty at the same university since mid 2008. During 2000-2002 I was the head of the clinical department of radiology and nuclear medicine and during 2002-2008 I was the head of the department of Radiation Sciences (Radiology, nuclear medicine, oncology, radiation physics and medical technology). Before that I was the deputy head during 1996-2002. I was a board member in the Swedish Union of Radiologists and in the Swedish Society of Medical Radiology (SFMR) during 1999-2005, the Swedish Society of Nuclear Medicine (SFNM) during 2000-2003. I was president of the SFNM during 2003-2007 and of SFMR from 2006 and ongoing. Since 2008 I am a member of the executive board of the European Society of Radiology (ESR) and also the chairman of the finance committee in ESR. Before that I was a member of the ESR education committee board during 2006-2009. I have been in the expert group of the National Guidelines in Breast Cancer (authorized 2007) for the Swedish Health and Welfare Authority. During 2004-2008 I was a member of the Research Council in the Swedish Radiation Protection Authority and also a member of the Alert Advisory Board in the Swedish Council on Technology Assessment in Health Care. From 2006 I am a technical advisor in SWEDAC, the Swedish Board for Accreditation and Conformity Assessment. I have been the main supervisor or vice-supervisor for more than PhD students and am also involved in undergraduate education of medical students, nurses and radiation physicists.

Mario R BAEZA, MD

B. Medicine School: Pontificia Universidad Católica, Santiago, Chile. MD Degree 1971. Post Graduate studies: Department of Radiotherapy, MD Anderson Hospital, University of Texas. Board Certified in Therapeutic Radiology, 1975. Actual and previous positions: Medical Director, Instituto de Radiomedicina, IRAM, Santiago. Member, Editorial Committee, Revista Chilena de Cancerología. Member, Advisory Group on Approach in Assisting Member States in Radiotherapy, IAEA, December 1996.. PAHO Advisor to Secretary of Health, Uruguay: 2001. Expert IAEA In: Sub-regional workshop for Prevention of accidental exposures in Radiotherapy Guatemala, May 2003. Member, Expert Panel International Action Plan for the Radiological Protection of Patients, International Atomic Energy Agency. July 2007-June 2008. Faculty Member: IAEA International Course in Evidence based radiation oncology. Dominican Republic, 2009. Past president Chilean Radiation Oncology Society. Past president Chilean Cancer Society International Societies: ASTRO, ESTRO, ASCO, RSNA, ARS, ALATRO (CRILA). Conferences, lectures and papers: Conferences and lectures in Chile: over 370, abroad: over 60. Papers in Chile: over 80, abroad: over: 20.

Lawrence T. DAUER, PhD, CHP

Dr. Dauer is Assistant Attending Health Physicist, and Assistant Clinical Member in the Department of Medical Physics at Memorial Sloan-Kettering Cancer Center in New York City. He earned an MS in Health Physics and a PhD in Adult Education. He is certified in comprehensive health physics by the American Board of Health Physics and is currently the chair of the Radiation Safety Committee of the American Association of Physicists in Medicine, the President of the Greater NY Chapter of the Health Physics Society, Executive Council Member of the Medical Physics Section of the Health Physics Society, a Member of the Safety Committee of the Society for Interventional Radiology, and a member of editorial and review boards of several scientific journals. He serves as the Chair of the MSKCC Emergency Management Committee, a member of the Radiation Injury Treatment Network, and is an instructor of Radiation Physics, Health Physics, and Emerging Treatment Technologies. In 2005, he received the Elda E. Anderson Award from the Health Physics Society for significant contributions to the profession of health physics. He has a number of publications on radiation protection and risks in the fields of detection, radiology, interventional radiology, x-ray imaging, nuclear medicine, and radiation oncology, as well as surgery and medicine. He has served on National Council on Radiation Protection & Measurements scientific committees. He serves as a member of ICRP Committee 3 on protection in medicine. He served on the Task Group for ICRP Publication 98 on radiation safety aspects of brachytherapy for prostate cancer using permanently implanted sources. He is currently serving on the ICRP Task Group evaluating secondary cancer risk in modern radiotherapy.

Igor A. GUSEV, PhD

Dr Gusev is a physicist at the Burnazyan Federal Medical and Biophysical Centre, Zhivopisnaya, 46; Moscow, 123182, Russia. His education includes Moscow

Engineering Physics Institute, Russia, 1984 M.S. (Health Physics); Argonne National Laboratory (1993) IAEA certificate (Occupational Radiation Protection); Dr. Biol., SRC-Institute of Biophysics, (1996). His professional experience since 1984 to the present is as a staff member of Health Physics Lab, Radiation Medicine (Clinic) Dept., 1984-1986: junior scientist; 1986-1990 researcher; 1991 to present: senior researcher. Dr Gusev's fields of interest are occupational radiation dosimetry, radiation accident dosimetry, and medical exposure dosimetry. He is a member of the Russian Nuclear Society and member of the Editorial Board of Medical Radiology and Radiation Safety Magazine. He is the author and co-author of 98 scientific papers and technical reports related to the dose assessment and biological effects of radiation including "Medical Management of Radiation Accidents" (2nd edition, co-edited with A.K. Guskova and F.A. Mettler). Dr Gusev have personally participated in emergency response to all most serious accidents (those having human victims and environmental impact) happened in the USSR/Russia since 1984 until present time (including Chernobyl accident) as well as in the response to some accidents outside Russia (Estonia, Georgia, Belarus, Armenia, Japan).

Prof. John W HOPEWELL, DSc, PhD, FBIR, MRCR

Professor John Hopewell is a Senior Academic Visiting Scientist, Green Templeton College, and an Associate Fellow to the Particle Therapy Cancer Research Institute, University of Oxford plus Visiting Professor in the Department of Physics and Astronomy, University of Birmingham. Previously he was the Director of Radiobiological Research at the University of Oxford (1981 – 2001) and Consultant in Radiobiology in the Department of Clinical Oncology, The Churchill Hospital, Oxford (1996 – 2007). His research interests included the study of early and late normal tissue reactions to exposure to ionizing radiation and specifically the role played by vascular changes in the development of radiation late effects as guide to the potential amelioration of late radiation damage in radiotherapy patients. He has been involved in the study of the effects of radiation dose fractionation on normal tissue damage and of the effects of novel treatment modalities, such as fast neutrons and Boron Neutron Capture Therapy on normal tissue tolerance. The study of normal tissue effects were extended to examine deterministic changes related to variable energy β -irradiation on skin from both uniform and non uniform exposure (hot particles). These findings formed part of the evidence for current ICRP recommendations for skin (ICRP publication 59) and NCRP Report No. 130 (Exposure limits for 'Hot Particles'). Professor Hopewell has published more than 360 articles in the field of radiobiology and oncology.

Prof. Pek-Lan KHONG, FRCR, MD

Professor of Radiology and Head of Department of Diagnostic Radiology, Faculty of Medicine, The University of Hong Kong. Her special interests are in Paediatric Radiology and Oncological imaging. She serves in the editorial board of the journal "Pediatric Radiology" and is a member of the European Society of Pediatric Radiology, Asian-Oceanic Society of Pediatric Radiology and a member of the Scientific Sub-committee of the Hong Kong College of Radiologists. She has published more than 100 original articles in peer-reviewed journals including works in imaging the adverse effects of radiation in the white matter and dosimetry studies of new imaging technologies.

Pedro ORTIZ LÓPEZ, PhD

Radiation safety specialist at the International Atomic Energy Agency. At the IAEA, I have been the head of the Unit on the Radiological Protection of Patients since its creation in 2001 until my retirement in November 2006 and the Scientific Secretary of the International Action Plan on the same subject, in cooperation with the relevant International Organizations and Professional Bodies. In 2003 I received the Distinguished Service Award, the highest distinction that the IAEA grants for outstanding service. After my retirement from the IAEA, I rejoined the Spanish Regulatory Body in December 2006 and was transferred back, on secondment, as a consultant at the IAEA since February 2007, in charge of the project of the Ibero American Forum of Nuclear and Radiation Safety Regulatory Organizations. Previously I was technical director of Siemens in Spain, optimizing the application of medical equipment in hospitals. Subsequently a member of the Regulatory body in Spain and, responsible for licensing medical facilities using radiation, an Associate professor in medical physics at the University of Madrid. I joined the ICRP Committee 3 in 1993. Within the Committee I was the chairman of the task group on Prevention of Accidental Exposure of Patients. My publications relate to patient exposure and image quality, to investigation of accidental medical exposure and to standards of safety for the medical application of radiation.

Prof. Sören MATTSSON, PhD

Sören Mattsson is a medical physicist and professor of medical radiation physics at Lund University at Malmö and deputy head of the Department of Clinical Radiation Physics, Malmö University Hospital, Sweden. He has worked as a medical physicist, has done/is doing research in the field of medical physics, dosimetry, detector technology, radiation protection, diagnostic imaging (x-ray and molecular imaging), environmental radiology, *in vivo* elemental analysis and radiation therapy, etc. His main responsibility in ICRP is the evaluation of radiation doses to patients from radiopharmaceuticals.

He has got The Erna Ebeling Prize 1992 (Swedish Medical Society), The Bo Lindell Mark of Honour 2002 (Nordic Society of Radiation Protection), The Kurt Lidén Price 2009 (Swedish Society of Radiation Physics) and the Price to the Memory of Anders Ehrenberg 2009 (Swedish Society of Radiation Biology).

He is a former member of the research board of the Swedish Radiation Protection Institute/Authority, the Swedish Cancer Society and chairman of its committee on clinical oncology, with special reference to radiology, has been a special advisor to the Swedish Government concerning future needs in radiation protection research, and a former member of the Swedish National Council for Nuclear Waste. He is a member of editorial or advisory boards of several scientific journals. He has fully or partly supervised over 25 PhD-students, who have got their degrees.

Prof. Donald L. MILLER, M.D.

Dr. Miller has been an interventional radiologist at the National Naval Medical Center since 1994 and Professor of Radiology and Radiological Sciences at the Uniformed Services University in Bethesda, MD since 1993. Previously, he was Director of

Vascular/Interventional Radiology at the National Institutes of Health Clinical Center from 1982-1993. He received a B.A. in Molecular Biophysics and Biochemistry (Yale University, 1972) and an M.D. (New York University School of Medicine, 1976), and subsequently completed a residency in Diagnostic Radiology and a fellowship in Interventional Radiology at the New York University Medical Center. He is Board-certified in Diagnostic Radiology and Vascular and Interventional Radiology. He has published more than 140 papers in peer-reviewed medical journals and 20 book chapters, has served on the Editorial Boards of Radiology and the Journal of Vascular and Interventional Radiology, and is an Adjunct Investigator in the Radiation Epidemiology Branch of the National Cancer Institute. He is a Fellow of both the Society of Interventional Radiology and the American College of Radiology. Dr. Miller chairs the Safety and Health Committee of the Society of Interventional Radiology and the Interventional Guidelines Committee of the American College of Radiology. He has served as a consultant to the International Atomic Energy Agency and is currently a Member of Council of the NCRP and a member of Committee 3 of the ICRP.

Prof. Hans RINGERTZ, MD, PhD, FACR(HON), FRCR(HON), F.F.R.RCSI.

Professor emeritus at Karolinska institutet since 2006. Professor at Linköping University, Sweden since 2006. Chairman of the Board, Center for Medical Image Science and Visualization. Visiting professor, Stanford University since 2004. Existing version: Professor of radiology at the Karolinska institute since 1984. Assistant head of paediatric radiology at Karolinska 1973-77, head of paediatric radiology, Sachs paediatric hospital Stockholm 1977-83. Chairman of Diagnostic radiology, Huddinge university hospital 1984-87 and at Karolinska hospital since 1987. Fellow at University of California in San Francisco, USA 1975, visiting professor 1983-84, adjunct professor there since. Clinical professor at Michigan State University, USA since 1991. Author and co-author of about 215 scientific articles and 6 books. Permanent member of the Nobel Assembly for Physiology and Medicine since 1986. Chairman elect and chairman of the Nobel Assembly and member of the Nobel foundation 2002-2003. Honorary member of 13 radiological societies including the RSNA, F.F.R.RCSI since 1995 and FRCR(Hon) since 1998. President of European Society of Paediatric Radiology 1990-91, of the Swedish Society of Medical Radiology 1995-97, of the European Congress of Radiology 1995-97, of the European Association of Radiology 1997-99, of the Swedish Union of Radiologists and the International Society for Strategic Studies in Radiology since 1999. Treasurer of the International Society of radiology 2000-06, president elect 2006-08, president since 2008.

Marvin ROSENSTEIN, PhD

Dr. Rosenstein is a consultant supporting work in the United States on producing recommendations for radiological protection. He was previously a Senior Staff Fellow at the Center for Devices and Radiological Health (Food and Drug Administration, Rockville, Maryland) (1995 through 1999), and prior to that served 33 years as an Officer in the Commissioned Corps of the United States Public Health Service (1962 through 1995), serving in assignments related to radiological protection throughout that period. He received a B.S. in Chemical Engineering (University of Maryland,

1961), an M.S. in Environmental Engineering (Rensselaer Polytechnic Institute, 1966) and a Ph.D. in Nuclear Engineering (University of Maryland, 1971). His technical work has concentrated on radiation dosimetry, particularly with regard to x rays used for medical imaging, for epidemiological studies of exposed populations, and for public radiation emergencies. Dr Rosenstein is a Distinguished Emeritus Member of the National Council on Radiation Protection and Measurements, a member of Committee 3 (Protection in Medicine) of the International Commission on Radiological Protection (ICRP) since 1985, and was a member of the report committee for the recent Publication 74 (Patient Dosimetry for X rays Used in Medical Imaging) of the International Commission on Radiation Units and Measurements (ICRU).

Prof. Yoshiharu Yonekura, MD, PhD

President, National Institute of Radiological Sciences (NIRS), Chiba, Japan and Professor Emeritus, University of Fukui. He has been a member of ICRP Committee 3 since 2005, and also a Japanese Representative of UNSCEAR since 2007. Prof. Yonekura received his MD in 1973 and PhD in Medical Sciences in 1980 (both from Kyoto University). He had training in Radiology and Nuclear Medicine, and engaged in scientific and clinical activities in the field of Nuclear Medicine and PET, as a Faculty member of Kyoto University (1980-1995) and as Professor of Biomedical Imaging Research Center at University of Fukui (1995-2006). His major scientific achievements include functional neuroimaging with PET/MRI and molecular imaging with PET. He contributed to more than 380 peer reviewed articles. After he moved to the current position at NIRS, he has been committed to the national and international activities of radiation protection.

Prof. Baorong YUE

Professor Yue is the Deputy Director of National Institute for Radiological Protection (NIRP) , Chinese Centre for Disease Control and Prevention. He is the author and co-author of over 60 papers related to the radiation protection and quality control of medical radiation exposure and occupational radiation exposure. He has formulated and revised 5 the national standards. He was responsible for study on quality control and probability safety assessment for medical radiation exposure, which is the National Social Commonweal Research Program (2004-2007). He is currently responsible for study on occupational exposure control and hazard analysis for medical radiation exposure, which is the National Key Technology R&D Program. He has been a standing member of Chinese Radiological Health Association (CRHA) since 2002 and Vice President of CRHA since 2007, President of Beijing Radiological Medicine and Protection Association (BRMPA) since 2003 and a standing member of the Chinese Radiological Medicine and Protection Association (CRMPA) since 2006. He is a member of the Chinese Radiation Protection Committee (CRPC), the Ministry of Health Committee on Radiological Health Standard (MHCRHS), China Medical Equipment Society (CMES), Editorial Board of Chinese Journal of Radiological Medicine and Protection (EBCJRMP) and Editorial Board of China Occupational Medicine (EBCOM).