



Welcome to the Symposium  
**UNDERSTANDING RADIATION**  
- ITS BEST AND SAFE USE -



In celebration of **Sören Mattsson** and his career in Medical Physics

09:00 10:00 Arrival, Coffee served (Provided by Gammadata)

|       |       |  |                             |
|-------|-------|--|-----------------------------|
| 10:00 | 10:10 | Welcome  | Lars E. Olsson              |
| 10:10 | 10:30 | Skandionkliniken - A New way to co-operate in Radiotherapy   | Håkan Nyström               |
| 10:30 | 10:50 | From Bach to Jazz in 10 years - The power of power-law noise   | Magnus Båth                 |
| 10:50 | 11:10 | Radionuclide therapy - potential for individualized tumour treatment   | Eva Forssell-Aronsson       |
| 11:10 | 11:30 | From A-bomb fallout to the Unexpected today –Fifty years of ups and downs in environmental radiology and emergency preparedness” | Robert Finck                |
| 11:30 | 11:50 | Radiocarbon - a most versatile tracer  | Kristina Eriksson-Stenström |
| 11:50 | 12:05 | Nuclear Medicine - past, present, future (Siemens)   | Areti Pliatsika Stangvik    |

12:05 13:00 Lunch (Provided by Siemens)

|       |       |   |                   |
|-------|-------|---|-------------------|
| 13:00 | 13:20 | Seeing the light in fiber-coupled luminescence dosimetry                                      | Claus E. Andersen |
| 13:20 | 13:40 | The role of electronic x-ray examination records in radiation protection of the patient       | Michael Moores    |
| 13:40 | 14:00 | Education and training of medical physicists: Lithuanian-Swedish experience                   | Diana Adlienè     |
| 14:00 | 14:15 | Successful radionuclide therapy requires individual dosimetry                                 | Hans Lundqvist    |
| 14:15 | 14:30 | Patient irradiation in diagnostic nuclear medicine, Past - Present - Future                   | Lennart Johansson |
| 14:30 | 14:45 | X-ray fluorescence in vivo - noninvasive measurements of specific elements in the human body  | Jimmy Börjesson   |
| 14:45 | 15:00 | Justification of X-ray examinations. A relevant topic to be taught to our clinical physicians | Peter Leander     |

15:00 15:30 Refreshment Break (Provided by Gammadata)

|       |       |   |                  |
|-------|-------|---|------------------|
| 15:30 | 15:45 | Accidents in Radiotherapy – some Clinical Examples                  | Torsten Landberg |
| 15:45 | 16:00 | Forty years later: some fragmentary memories from a long friendship | Mats Nilsson     |
| 16:00 | 16:15 | Magnetic moments with Mattsson                                      | Lars E. Olsson   |
| 16:15 | 16:45 | The past, present, and future seen in a kaleidoscope                | Sören Mattsson   |

16:45 Conclusion