

5-6 November / Stockholm, Sweden

**7TH
EUROPEAN
USER
MEETING
2018**

A WORLD WHERE
CANCER IS CONQUERED.
OUR COMMON VISION.

KEYNOTE SPEAKERS



Challenges to conquer cancer

Prof. Dr. Yolande Lievens,
Chair of Radiation Oncology Department,
University Hospital Ghent, Belgium

Opening this year's meeting is Prof. Dr. Yolande Lievens, former ESTRO President and Head of Radiation Oncology at Gent University Hospital. She will present the challenges ahead of us to conquer cancer. Then, our CEO, Johan Löf, will show how RaySearch is working towards that vision.



Redefining cancer care

Johan Löf,
Founder & CEO RaySearch Laboratories,
Stockholm, Sweden

DAY 1 | MONDAY, 5 NOVEMBER

PROGRAM

08:30–09:00	REGISTRATION		Lobby
09:00–09:10	Welcome	Peter Kemlin, Director of Sales and Marketing	Gyllene Salen
09:10–09:55	Challenges to conquer cancer	Prof. Yolande Lievens, Chair of Radiation Oncology Department, University Hospital Ghent	
09:55–10:45	Redefining cancer care	Johan Löf, Founder & CEO RaySearch Laboratories	
10:45–11:15	Coffee break		Lobby
11:15–11:35	Machine learning	Fredrik Löfman, Head of Machine Learning	Gyllene Salen
11:35–11:55	Machine learning: Creating a Head and Neck model	Roel Kierkels, Medical Physicist, University Medical Center Groningen	
11:55–12:00	Program information	Peter Kemlin and Mathias Nielsen	
12:00–13:00	Lunch		
13:00–14:00	BREAKOUT SESSIONS See the session presentations on the following page		
14:00–15:30	Plan challenge		Djurgårdssalen
15:30–15:50	Coffee break		Floor 2
15:50–16:20	News in RayStation 8	Emil Ekström, Chief Functionality Owner	Gyllene Salen
16:20–16:40	Latest improvements and enhancement requests and Community	Bonnie Godyn, Development Application Specialist	
16:40–17:10	Plan challenge conclusions	Mathias Nielsen, Application Specialist	
17:10–17:15	Evening information	Niclas Borglund, Director of Service	

EVENING SCHEDULE	
Departure at 18:30 – Meet in the lobby	
Evening mingle & dinner at FOTOGRAFISKA, The Museum of Photography	
Return transportation at 00:00, 1:00, 3:00	

BREAKOUT SESSIONS 13:00–14:00

Theme 1: Automated planning | Room: Waldemarsudde

13:00–13:20	Atlas-based segmentation: a single institution experience. <i>Vera Cirilovic, Radiation Oncologist, Malteser Norddeutschland</i>
13:20–13:40	Study VMAT modulation to predict DQA results and have an efficient DQA workflow. <i>Alexandra Moignier, Medical Physicist, Institut de Cancérologie de l'Ouest Centre René Gauducheau</i>
13:40–14:00	Implementation and clinical experience with Plan Explorer for prostate cancer patients. <i>Koen Crama, Dosimetrist; Jorrit Visser, Medical Physicist, Academisch Medisch Centrum</i>

Theme 2: Proton planning | Room: Mannagrynskvarnen

13:00–13:20	MC dose evaluation using anthropomorphic phantoms. <i>Lamberto Widesott, Medical Physicist, Centro di Proton Terapia Trento</i>
13:20–13:40	Proton planning with apertures. <i>Sandija Plaupe, Medical Physicist, Westdeutsches Protonentherapiezentrum Essen</i>
13:40–14:00	Treatment log file based interplay evaluation. <i>Antje Knopf, Medical Physicist, University Medical Center Groningen</i>

Theme 3: Dose tracking and adaptive replanning | Room: Prins Eugenes Salong

13:00–13:20	A decision support tool for adaptive replanning. <i>Stina Svensson, Sr Research Engineer, RaySearch Laboratories</i>
13:20–13:40	Structure-guided deformable image registration in cases of drastic internal anatomical change in the pelvis. Possibilities, challenges and strategies. <i>Mike Nix, Medical Physicist, Leeds Teaching Hospitals NHS Trust</i>
13:40–14:00	Implementation of dose tracking and adaptive planning for patients treated for chondrosarcoma at OUS. <i>Karsten Rydén-Eilertsen, Medical Physicist; Aniko Balazs, Medical Physicist, Oslo University Hospital</i>



DAY 2 | TUESDAY, 6 NOVEMBER

PROGRAM

09:00–09:10	WELCOME	Peter Kemlin	
09:10–09:30	RayCare – The next-generation OIS	Bie De Ost, RayCare Clinical Specialist	
09:30–09:50	First clinical experience with RayCare at the Iridium Cancer Network	Carole Mercier, Radiation Oncologist and Geert De Kerf, Medical Physics Expert	Gyllene Salen
09:50–10:10	Deliverable VMAT MCO	Rasmus Bokrantz, Sr Research Engineer	
10:10–10:30	Coffee break		Lobby
10:30–12:00	Workshops		

WORKSHOPS – Meet with our RaySearch experts on the different topics below.

<ul style="list-style-type: none">• Automated planning• Machine learning• Scripting• DICOM• VISM and 3D-CRT• Patient modeling and deep-learning segmentation• Adaptive planning and deformable registration• MCO• Optimization• Proton Planning• Online adaptive workflow• IT• RayCare• Physics	Djurgårdssalen
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12:00–13:00	Lunch
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BREAKOUT SESSIONS 13:00–14:00

Theme 1: Research | Room: Waldemarsudde

13:00–13:20	Robustness of TCP for robust optimized dose-painted photon and proton plans. <i>Erik Grönlund, PhD Student; Erik Almhagen, PhD Student, Akademiska Sjukhuset</i>
13:20–13:40	Micro RayStation. <i>Sophie Chiavassa, Medical Physicist, Institut de Cancérologie de l'Ouest Centre René Gauducheau</i>
13:40–14:00	Proton planning strategies for linear energy transfer reduction in critical structures. <i>Jacob Ödén, PhD student in Medical Physics</i>

Theme 2: Planning with RayStation | Room: Prins Eugenes Salong

13:00–13:20	CSI VMAT planning. <i>Morten Egeberg Evensen, Dosimetrist, Oslo University Hospital</i>
13:20–13:40	Clinical use of Autobreast module at University Hospitals Birmingham, UK. <i>Usman Lula, Medical Physicist; Agata Grudniewska, Senior Dosimetrist, Queen Elizabeth Hospital</i>
13:40–14:00	Breast VMAT planning using organ motion-based robust optimization. <i>Alex Dunlop, Physicist; Radiotherapy Research Physicist; Irena Blasiak-Wal, Physicist, Royal Marsden NHS Foundation Trust</i>

Theme 3: IT | Room: Danviken

13:00–13:20	Ensuring reliable service delivery by RayStation system infrastructure and license monitoring. <i>Dualta McQuaid, Clinical Physicist, Royal Marsden NHS Foundation Trust</i>
13:20–13:40	Infrastructure and CUDA add-on in RS8B. <i>Haris Salam, IT Specialist – Technical Support Lead, RaySearch Laboratories</i>
13:40–14:00	Improving IT – Group discussion

MAIN SESSION

14:00–14:20	MC Dose for photons	Fredrik Tamm, Developer	Gyllene Salen
14:20–14:40	Robust evaluation	Erik Engvall, Chief Physicist	
14:40–15:00	Concluding remarks	Peter Kemlin	

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**ADVANCING
CANCER
TREATMENT**

