

Aarhus





Aarhus
Pop 350.000







AARHUS
UNIVERSITY











AARHUS-2017

EUROPEAN CAPITAL
OF CULTURE



lonely planet

BEST IN EUROPE

TOP 10 DESTINATION
AARHUS, DENMARK





Februar 2016

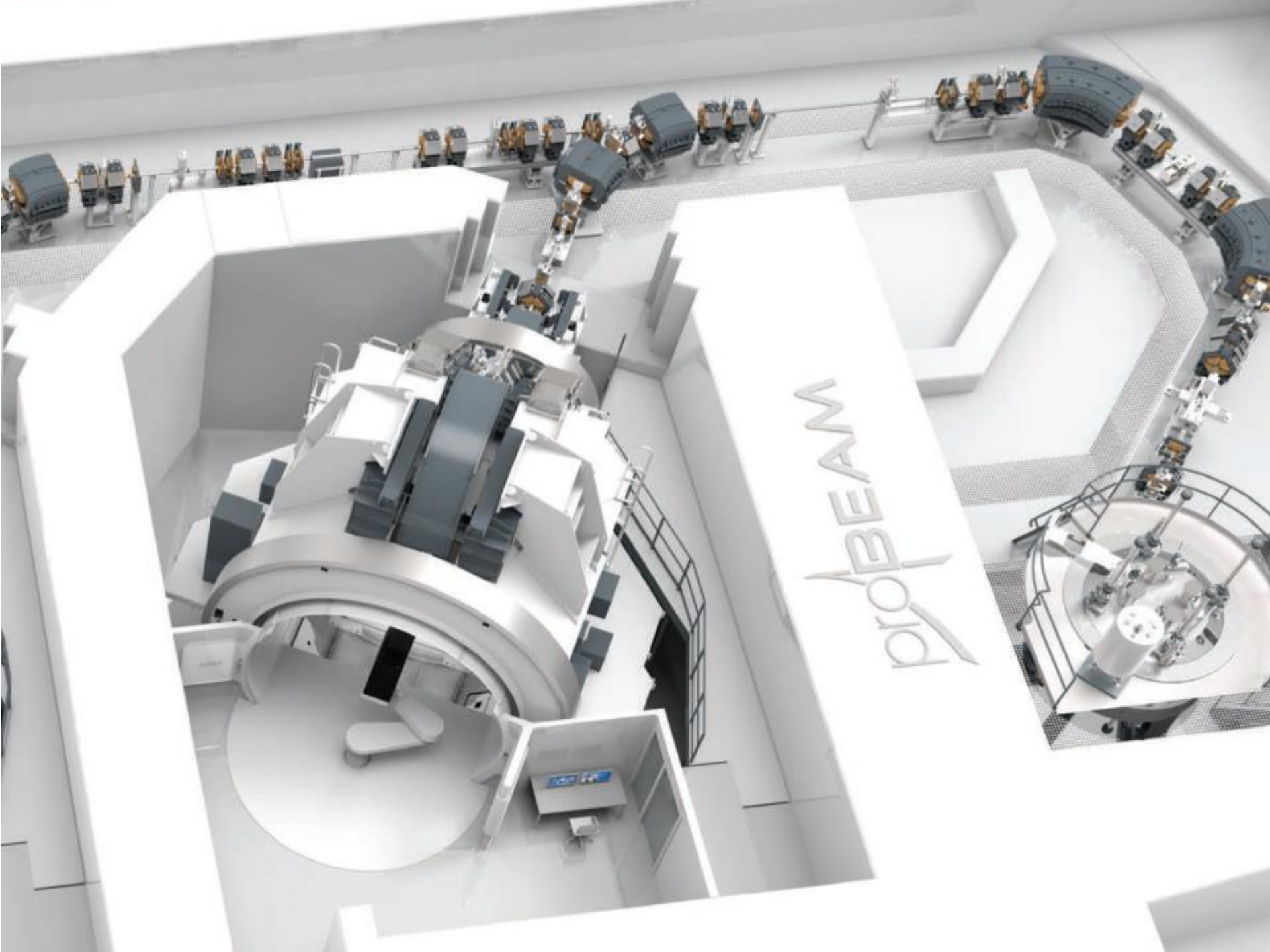
New Aarhus University Hospital

Merger of all existing hospitals in Aarhus
Ground area 1.25 million square metres
216,000 m² new buildings
157,000 m² existing hospital
Incl. Danish Center for Particle Therapy

The Danish Center for Particle Therapy

Dansk Center for Partikelterapi

An architectural rendering of a modern building with a prominent glass facade and a brick-clad lower section. The building is surrounded by a landscaped plaza with people walking, a bench, and trees. The sky is overcast.



PROBEAM

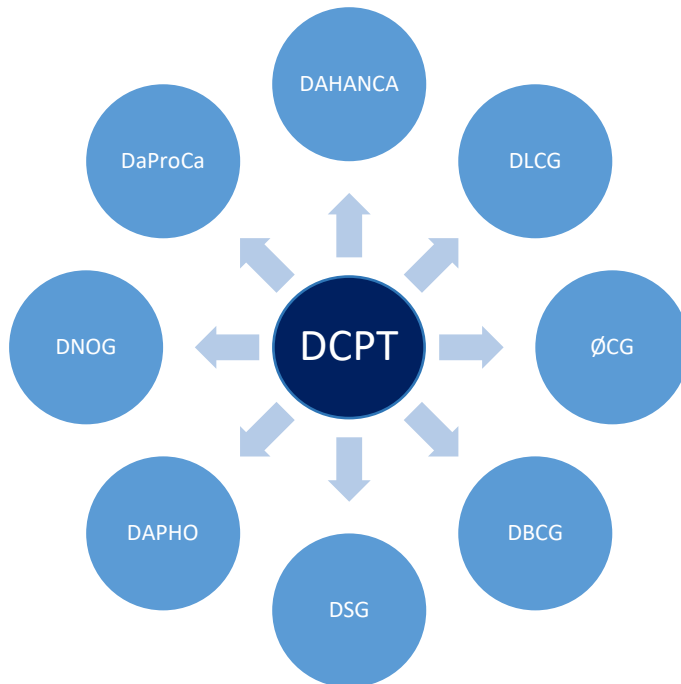


CT scanner Nv 235



May 4, 2016

National collaboration



- Referral
- Comparative dose planning
- Clinical trials
- Follow-up

Why so few *randomized* trials?

Notes of evidence: Stuart Hurrell

- Randomized studies are intended for evaluating evidence pertaining to the benefits of therapeutic interventions in terms of improvements of efficacy (survival, control, and similar hard endpoints)
- Randomized studies are NOT well designed for generating evidence pertaining to the risks of exposure to potentially avoidable harms, including improvement of treatment quality (medication)

Danish Center
for Particle
Therapy

International Advisory
Committee

National Particle
Therapy Forum

Research manager

Project coordination and administration
(Research manager, WP leaders)

Basic and translational research

WP1 Particle radiobiology
Jan Alsner, Brita S. Sørensen

WP2 Imaging
Michael Horsman, Jørgen Frøkiær

WP3 Treatment planning
Markus Alber

WP4 Organ motion
Per R. Poulsen

WP5 Image-guidance and adaptation
Kari Tanderup, Jørgen B. B. Petersen

WP6 Dosimetry and verification
Niels Bassler, Claus E. Andersen

Research tools and infrastructure

WP7 Dose plan data exchange
Carsten Brink, Cai Grau

WP8 Morbidity, databases, PROM
Jens Overgaard, Christoffer Johansen

WP9 Tools for outcome modelling
Ludvig Muren

WP10 Coordination and dissemination
Cai Grau

Clinical studies (DMCG)

WP11 Children – DAPHO
Henrik Schrøder

WP12 Brain – DNOG
Gorm von Oettingen, Henrik Schulz

WP13 Head and neck – DAHANCA
Jørgen Johansen, Jens Overgaard

WP14 Lung – DOLG
O. Hansen, D. Møller, G. Persson

WP15 Breast – DBCG
Hanne Melgaard Nielsen

WP16 Upper gastrointestinal – DECV
Marianne Nordsmark

WP17 Lower GI – DCCG and DACG
Karen-Lise Spindler

WP18 Cervix – DGCG
Lars Fokdal, Kari Tanderup

WP19 Prostate – DAPROCA
Lise Bentzen, Morten Høyer

WP20 Sarcoma – DSG
Akmal Safwat, Anders Krarup-Hansen

WP21 Lymphoma – DLG
Francesco d'Amore

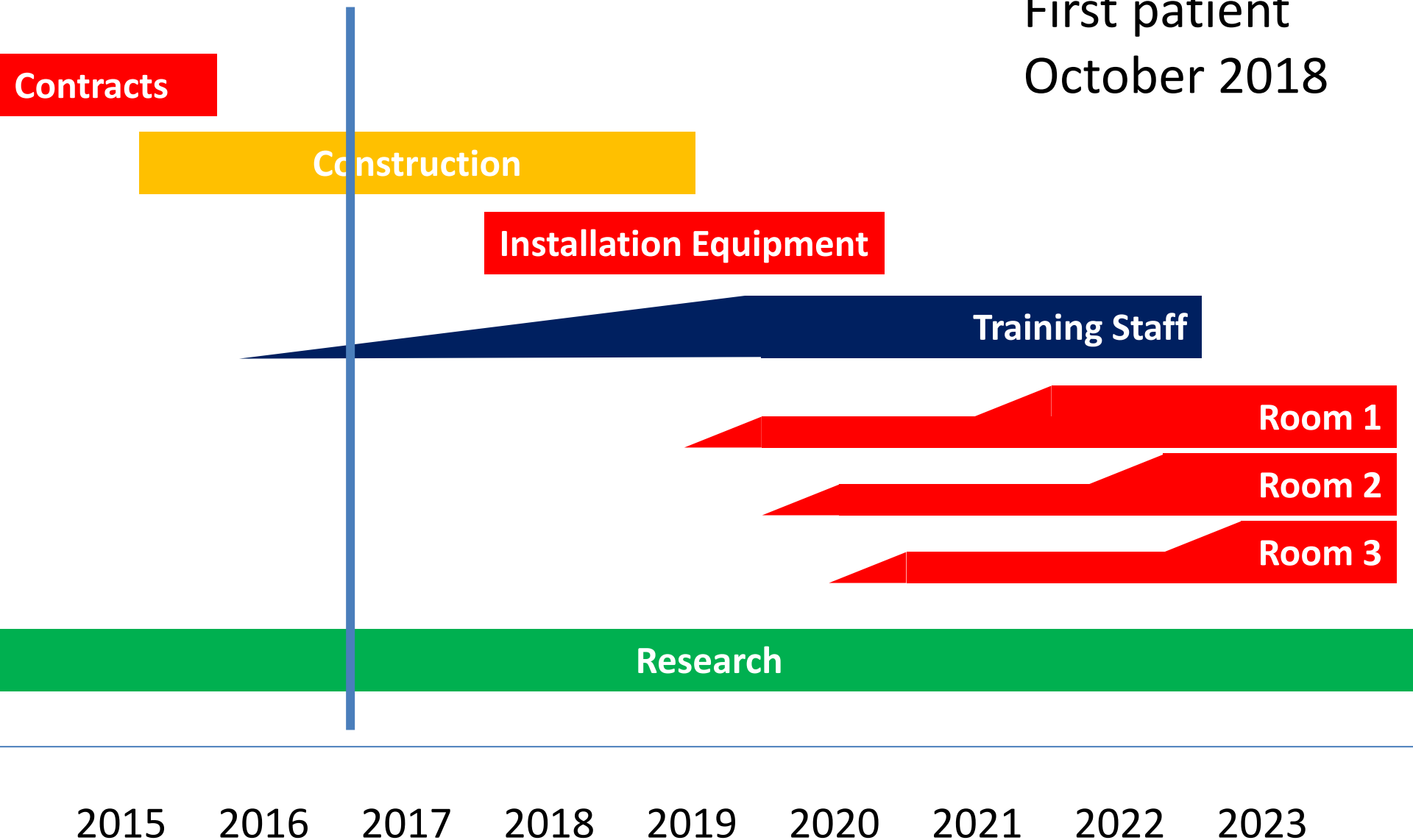
WP22 Eye – DOOG
Steen Fiil Urbak, Nicolaj Andreassen

Collaborators

ESTRO
CERN
Skandion Uppsala
UMC Groningen
MedAustron
IFJ Krakow
GSI Darmstadt
MSKCC New York
MDACC Houston
AtreP Trento
PSI Villigen
...
...

Roadmap

First patient
October 2018



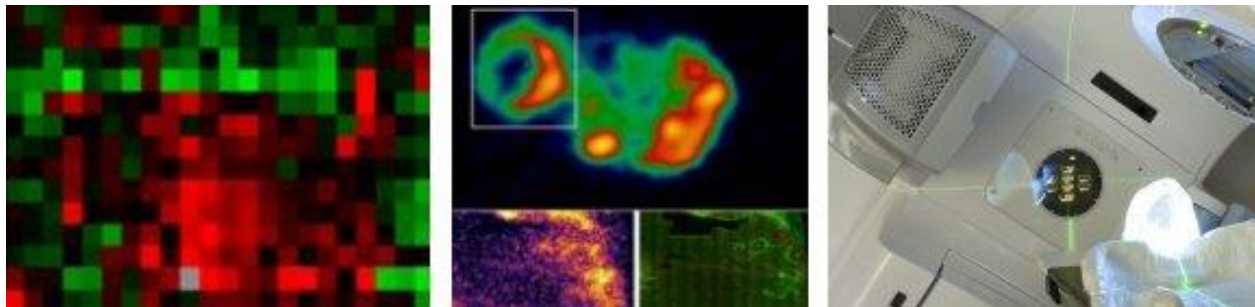
BIGART



BiGART

Biology-guided adaptive radiotherapy

- **Biology of tumours and normal tissue** to guide patient selection, target volumes and dose prescription in radiotherapy and particle therapy
- **Functional imaging** of tumours and normal tissues with functional imaging techniques based on MRI and PET, and the use of such images for dose painting and normal tissue avoidance in radiotherapy and particle therapy
- **Treatment planning and delivery challenges** in adaptation of radiotherapy and particle therapy based on changes in tumour and normal tissue biology, anatomy and/or function
- **Clinical outcome** of adaptive radiotherapy and particle therapy



SBRT2006 - 3rd Acta Oncologica symposium

Acta Oncologica Symposium

11th Acta Oncologica Symposium

13th Acta Oncologica Symposium
BiGART2015

Biology-Guided Adaptive Radiotherapy

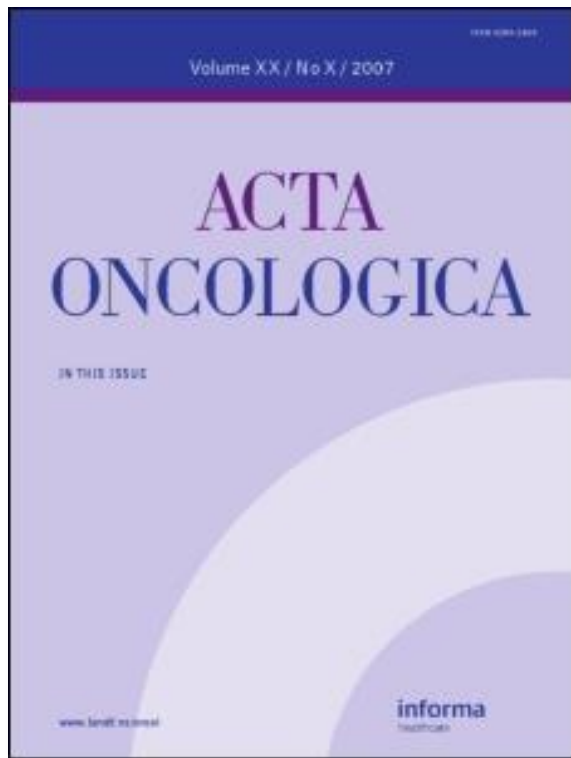
Aarhus
Denmark
June 10-12, 2015

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Ra
ada
June





Acta Oncologica manuscripts



- Special issue
- Rapid peer-review process
- Travel grants



ENLIGHT2017



BiGART2017

Rethink Radiotherapy 2017

June 13-16, 2017 - Aarhus, Denmark



Session topics – Rethink RT 2017

- Radiobiology in particle therapy
- Tumor biology: genomics, biomarkers and functional imaging
- Emerging technologies in radiotherapy and ion beam therapy
- Image-guidance, adaptation and motion management
- Adaptive radiotherapy – clinical implementation and results
- Normal tissues, side effects incl. radiogenomics, PROM and modelling
- Emerging trends in radiotherapy indications, treatment volumes and fractionation
- Clinical trial design and big data
- Radiotherapy utilization and costs, now and in the future
- Blue sky session - Rethink radiotherapy

Venue: Helnan Marselis Hotel



- 163 rooms
- Reduced rates (~EUR 125 per night)
- Walking distance to city center









5/9-2016



CLIMATE PLANET

2017

climateplanet.org



We

[FORSIDE](#)

[KØB BILLETTER](#)

[SAMARBEJDSPARTNERE](#)

[KONTAKT](#)

[ENGLISH](#) ▾





Conference dinner - Varna Mansion



Rethink Radiotherapy
2017

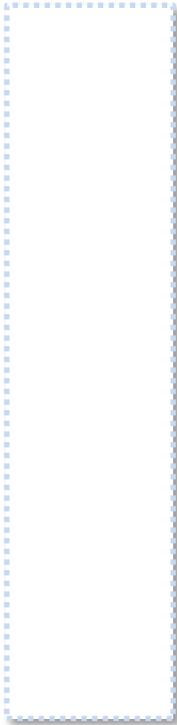
Event outline

Tue 13

Wed 14

Thur 15

Fri 16





Rethink Radiotherapy 2017

Aarhus, Denmark - June 13-16, 2017

MEETING

VENUE

REGISTRATION

You are here:

Print

Meeting

Programme

Faculty

Abstracts

Publication

Acta Oncologica conference

Rethink Radiotherapy

ENLIGHT 2017 – BiGART 2017

June 13-16, 2017 - Aarhus, Denmark

www.BiGART2017.dk

The 16th Acta Oncologica conference on biology-guided adaptive radiotherapy (BiGART2017) will be held at Hotel Marselis in Aarhus, on June 13-16, 2017, in conjunction with the 2017 ENLIGHT meeting.



ENLIGHT2017



BiGART2017

Rethink Radiotherapy 2017

June 13-16, 2017 - Aarhus, Denmark

