

HOW TO APPLY

Submit your proposal or idea for a research project, or a scientific paper, etc.:

- in 750 words max
- in pdf format
- by 15 May 2017.

The content should strictly adhere to the following format:

1. Title
2. Name and affiliation of investigator
3. Background of research
4. Proposed research and research hypothesis
5. Expected results and conclusions/messages.

The submission must be accompanied by a brief CV (pdf, max 500 words).

Please send the research proposal and CV to the ESTRO School manager, Laura La Porta (llaporta@estro.org).

Attendance will be limited to 36 participants. Selection will be based on the submitted proposals and on a first come, first served basis.

The course registration fee is €750.00 and is inclusive of meals and accommodation.



APPLICATION
DEADLINE:
15 MAY 2017



**2017
ESTRO SCHOOL
LIVE COURSE**



*Are you preparing
a research project in
radiation physics?*

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ESTRO Physics Research Masterclass
For beginners in research

*Get support to turn your initial idea into a
successful scientific project*

10-13 September 2017 | Florence, Italy

ESTRO Physics Research Masterclass

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COURSE AIMS

- To improve proposals submitted by participants for a research project or a scientific paper, under the supervision of renowned scientists in a safe and friendly atmosphere.
- To highlight current trends and important unresolved issues with future research opportunities.
- To discuss general aspects of scientific research, e.g. paper and grant writing.

TARGET GROUP

Participants should:

- Have an interest in research in radiotherapy physics or a related field, e.g. imaging science, computer science, mathematics, biophysics...
- Be early starters in research who want to develop research skills.
- Come from both small and large departments, with or without a research tradition.
- Possibly (but not necessarily) have relevant experience outside research, e.g. in a radiotherapy clinic.

LEARNING OUTCOMES

In attending this Masterclass, participants will be able to:

- Enhance the quality of research projects concerning novelty, potential impact, urgency, and feasibility and risk.
- Effectively discuss novel research projects with colleagues to maximise scientific value.
- Discuss current trends and research opportunities in radiotherapy physics and related fields.

OTHER ADDED VALUE

- Go home with a solid project
- Develop their network by meeting new researchers from Europe and beyond and grow scientific/mentoring relationships.

SCIENTIFIC PROGRAMME

1. Enhancement of scientific projects

Creative brainstorm and constructive discussions on the submitted research projects in small groups, and one-on-one with the teachers.

2. Lectures

- Trends, unresolved issues and research opportunities in:
 - MR imaging in radiotherapy (including dose painting)
 - PET imaging in radiotherapy (including dose painting)
 - IGRT and adaptive therapy to compensate for anatomical variations
 - physics and technology in personalised medicine
 - dose response modelling
 - biophysics in radiotherapy
 - brachytherapy physics
 - treatment planning
 - respiratory motion management
 - radiotherapy dosimetry
 - microbeam radiotherapy
 - ion beam therapy (guest lecture)
- Tips and tricks for writing a successful grant proposal
- Tips and tricks for writing a scientific paper and getting it accepted
- Grant opportunities in Europe.

ACCREDITATION

Application for CPD recognition is submitted to the European Federation of Organisations for Medical Physics (EFOMP), as a CPD event for medical physicists. Information on the status of the applications can be obtained from the ESTRO office.

FACULTY

Course Director

Ben Heijmen
Medical Physicist
Erasmus Medical
Centre
Rotterdam (NL)

Teachers

Claudio Fiorino
Medical Physicist
San Raffaele
Scientific Institute
Milan (IT)

Mischa
Hoogeman
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