

### **Optimization of Medical Accelerators**

# Welcome

3<sup>rd</sup> OMA Topical Workshop Accelerator Design and Diagnostics

Samantha Colosimo University of Liverpool / Cockcroft Institute



### Optimisation of Medical Accelerators

- Funding from the European Union's Horizon 2020
- 15 Fellows; project started in Feb 2016
- Gives industry an important role in training the next generation of scientists!
- Allows for organizing a number of events.
- Recognized importance of R&D at interface between physics and life sciences at European level!







Develop beyond state-of-the-art detector and imaging systems for particle therapy; improve patient treatment and facility performance

#### Work Packages:



Facility Design and Optimisation



Beam Imaging and Diagnostics



Treatment Optimisation





































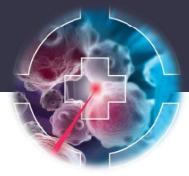
**UCL** 



























Holdsworth Associates









Intellectual Property Office









Adjunct Partners



 Ad-	ontiv
AUC	aptix









Instrumentation Technologies





















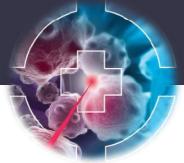
- International Schools on research skills, medical accelerators and Monte Carlo simulations;
- Topical Workshops on focused research topics;
- Final Conference and Symposium to present project results.







# **OMA** Upcoming OMA Events



- Advanced School on Medical Accelerators and Particle Therapy MedAustron/TU Vienna, Vienna, 31 March - 5<sup>th</sup> April 2019 *Register Now*
- Advanced Researcher Skills Workshop,
  - University of Liverpool, Liverpool, 24-27th June 2019
- Outreach Symposium,
  - ACC Liverpool, Liverpool, 28 June 2019
- International Conference,
  - Seville, October 2019, dates TBC





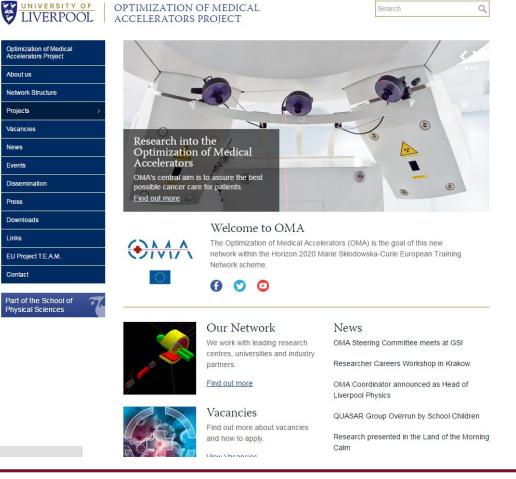
Advanced School on Medical Accelerators and Partide Therapy

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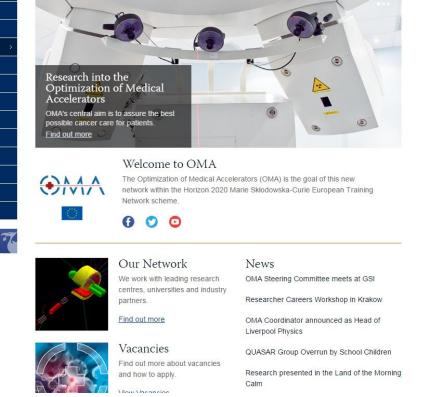


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### (http://www.) oma-project.eu







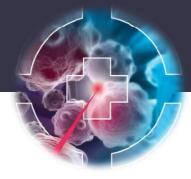








3rd OMA Topical Workshop: Accelerator Design and Diagnostics



### Focus on

- Efficient integration of beam imaging and diagnostics
- System and monitor design
- Technology upgrades

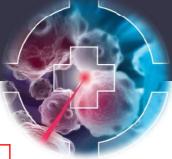










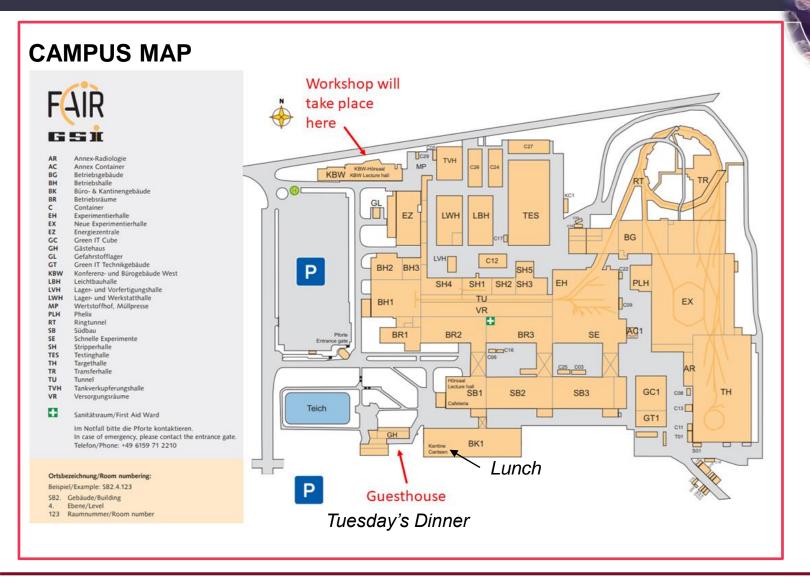


OVERVIEW		
Tuesday 11/12/18	Wednesday 12/12/18	
Room: KBW – Auditorium	Room: KBW – Auditorium	
9:00 – 12:30 Talks and Discussion 12:30 – 14:00 GSI Tour + Group Photo Lunch, Canteen	9:00 – 12:45 Talks and Discussion 13:00 – 14:10 Lunch, Canteen	
14:00 – 17:00 Talks and Discussion 19:30 Conference Dinner <b>(Guesthouse Foyer)</b>	End of Workshop	





## **ORAN** Practical information











- Coffee breaks: KBW Auditorium
- Lunch: Canteen
- Local support:
  - Michelle Lis Tel: +49 17258 20225, e-mail: m.lis@gsi.de







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