



ARDENT

Advanced Radiation Dosimetry European Network Training

15 Early Stage Researchers from **8 countries**

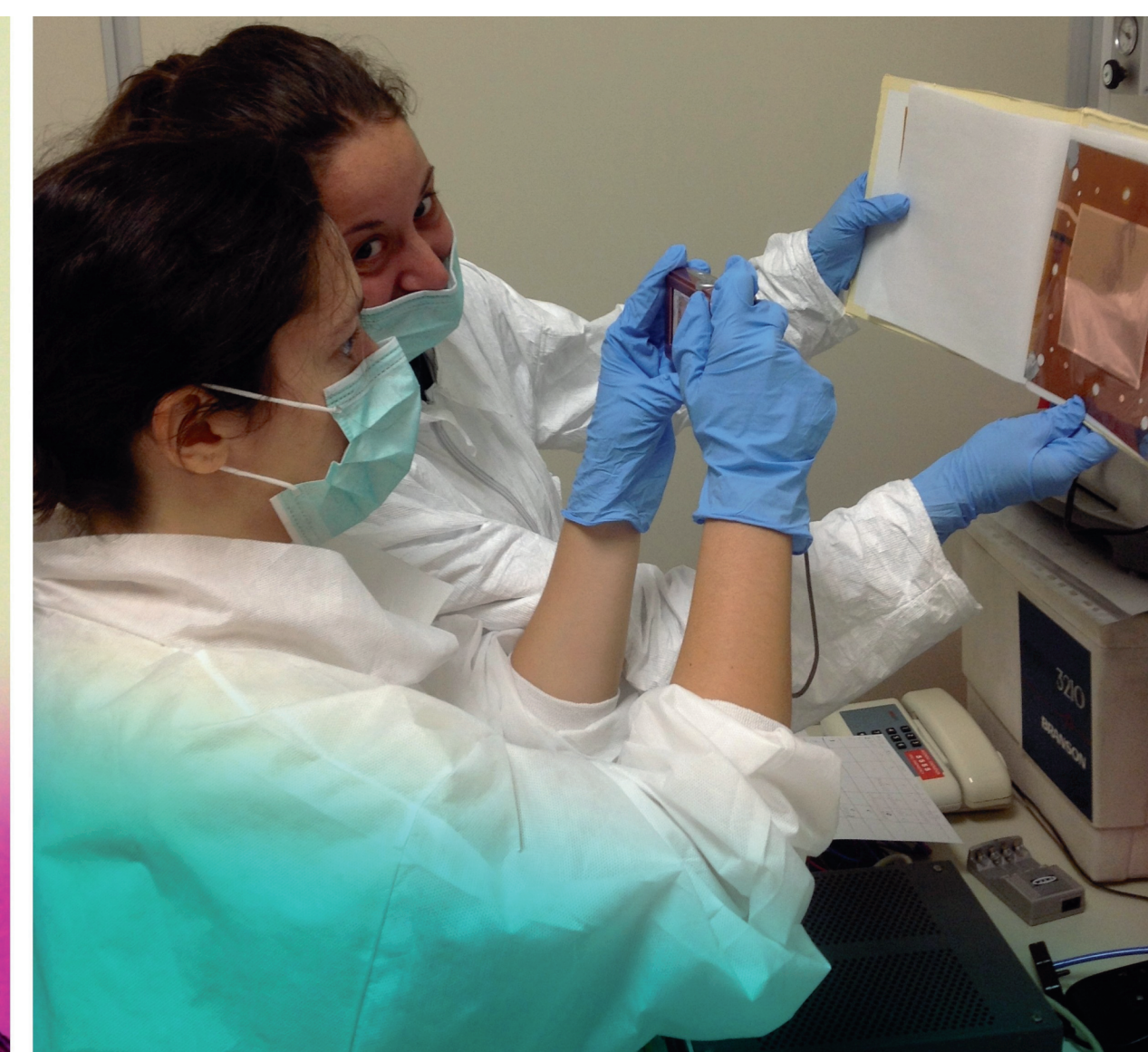
Every ESR is enrolled in a **PhD program**

Training in advanced instrumentation for radiation dosimetry

Development of new and novel techniques for **detecting radiation**

Applications in cancer therapy; space and aircraft dosimetry; radiation protection for particle accelerators and radioactive waste disposal

A **worldwide network** of collaborating companies and institutes



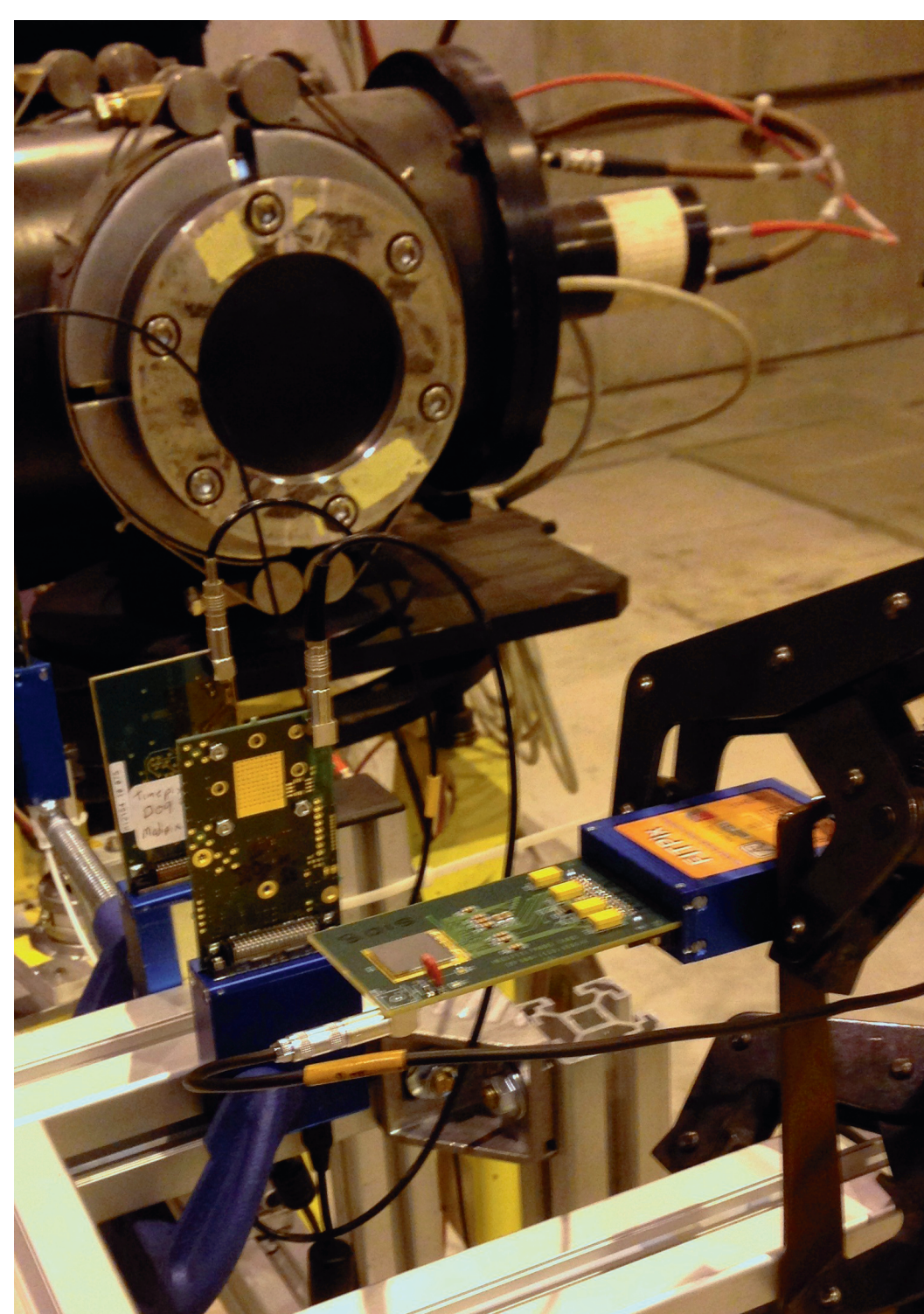
Stuart George - ESR 4

- Master of Physics (University of Sheffield)
- Enrolled as a Ph.D. student at the University of Wollongong (AU)
- Marie Curie Fellow at CERN since August 2012

Training:

With ARDENT I have learnt how to build particle detectors and how to build websites!

ARDENT has allowed me to go to scientific meetings across Europe and the world and to use world class facilities for my research.



Outreach:

In February I led sessions on "**Hot, Cold and Liquid Nitrogen**" in Sheffield, UK.

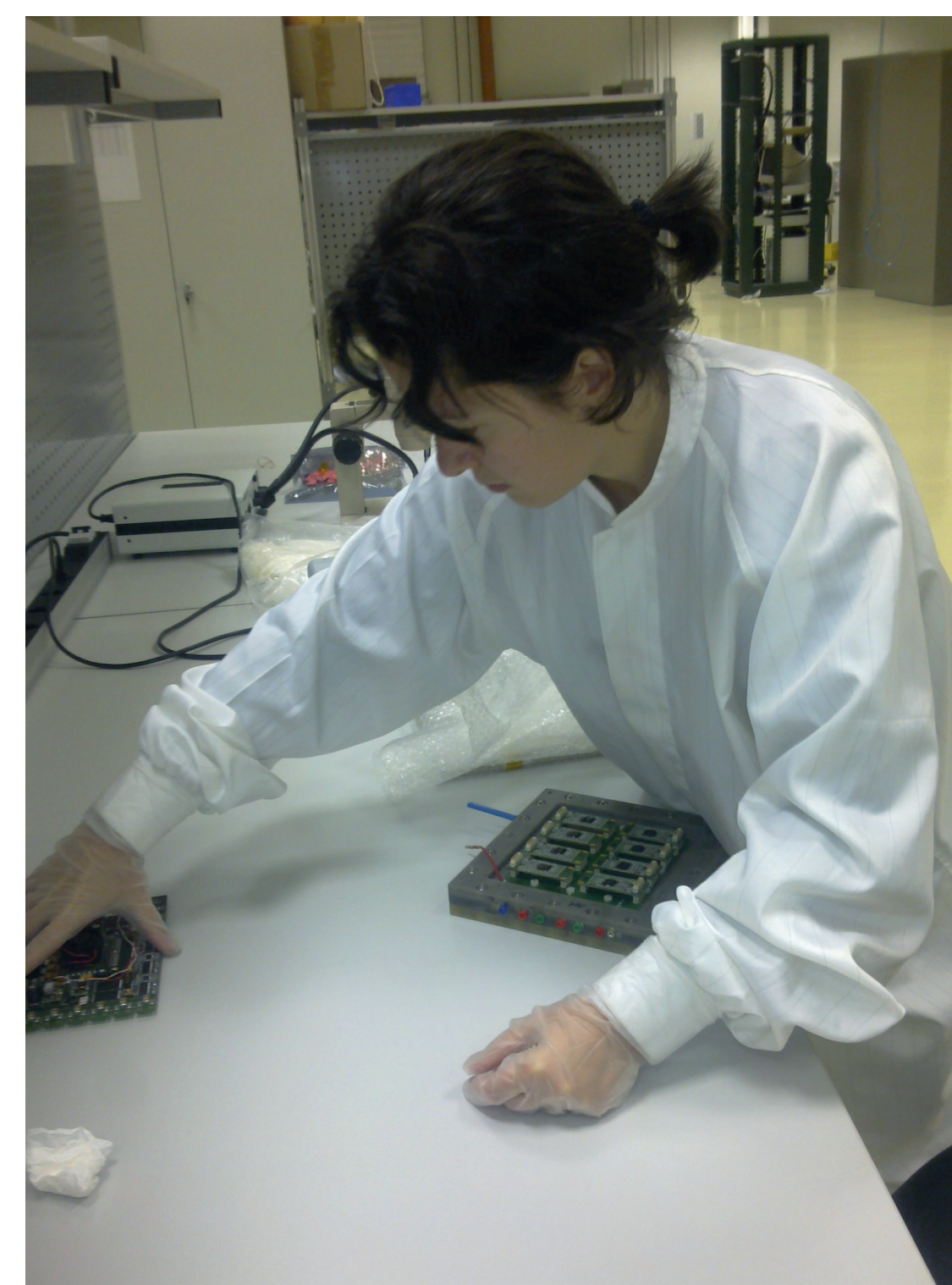
Silvia Puddu - ESR 3

- Master in Nuclear Experimental Physics (Universita' degli Studi di Cagliari)
- Enrolled as a Ph.D. student at Bern University (CH)
- Marie Curie Fellow at CERN since June 2012

Research:

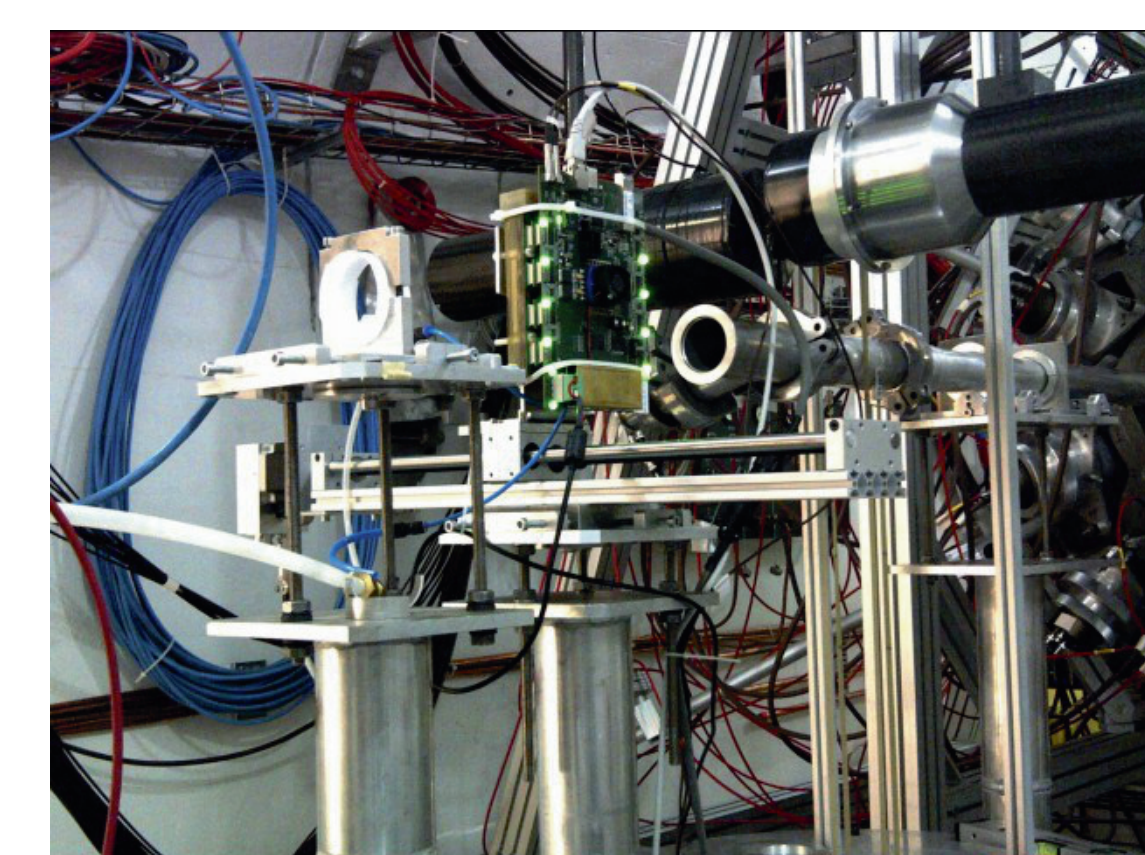
I work on the applications of GEM (Gas Electron Multiplier) detectors.

Specifically I am interested in dosimetry and microdosimetry around particle accelerators, in space and in the environment.



Dissemination:

In October 2012 I presented the talk "**Performance test of a triple GEM detector at CERN n_TOF facility**" at the IEEE Nuclear Science Symposium at Anaheim (USA).



Get curious - take part!

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