



# ARIA

Applications en Radiobiologie des Ions Accélérés

1 Post-doctoral position open for a Research Scientist at the CIMAP-GANIL center

Starting: January 2024, 18 months

[UMR6252 CIMAP](#)

The [CIMAP-ARIA](#) team is recruiting a post-doctoral research scientist in order to develop FLASH irradiation with carbon ions.

FLASH radiotherapy involves ultra-high dose rates and has shown to reduce toxicity to normal tissue while maintaining tumor response when compared to conventional dose rate radiotherapy. The goal of this project is to explore the possibility of using heavy ion FLASH irradiations in GANIL. We propose to set-up a new and original system allowing ultra-high dose rate irradiation with carbon ion using the high energy beam line in GANIL. Beam delivery parameters, experimental set-up, and the dosimetry tools are key points for this project.

Radiobiological experiments will be performed in vitro with researchers and students of the ARIA team.

Applicants must have a Ph.D. A background in ion physics, beam calibration / dosimetry is expected. Knowledge in radiation-biology will be appreciated.

Remuneration: between 2900€ and 3200€ gross depending on experience

Applications should be submitted to: [CNRS link](#) no later than 11 October 2023.

The CIMAP laboratory is located at the GANIL center of CAEN, Normandy, 2 hours by train from Paris, with easy access through public transportation.

**Contact:**

UMR6252 CIMAP

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