

## **Two postdoctoral fellow positions available at Biomedical Imaging Laboratory (BIG)**

### **University of Macau**

The successful candidates will be engaged in (i) internal dosimetry related research for radio-theranostics and (ii) AI for Alzheimer's disease using multi-modal imaging techniques respectively. Research activities include but not limited to diagnostic and therapeutic Monte Carlo simulations, phantom experiments, clinical data acquisition/collection, data analysis, AI-/physics-based algorithm development, research grant and scientific paper writing.

#### Qualifications:

1. A relevant doctoral degree in medical physics, biomedical engineering, engineering or physics obtained before 2025. Available to report duty in early 2026 for a minimum period of one year.
2. Strong track record of independent research experience and achievements, including international publications and patents.
3. Excellent programming skills using various languages.
4. Experienced in absorbed dose calculation and Monte Carlo simulation is a must for (i), while experience in artificial intelligence is a must for (ii).
4. Preference with candidates with research experience in medical imaging particularly in SPECT/CT, PET/CT and PET/MRI.
5. Strong communication skills particularly in scientific writing.
6. A can-do attitude and teamwork spirit.

#### Remuneration:

Annual salary of approximately ~37500-45000 USD (equivalent to around 300,000-360,000 MOP, tax rate <5%), based on the candidate's qualification.

Medical insurance coverage.

Option to rent on-campus housing and access campus recreational facilities.

Opportunities to participate in top international conferences and academic exchange visits with top international institutions.

For more detailed information about the potential research projects and the laboratory, please refer to the laboratory's website: <https://big.fst.um.edu.mo/>

University of Macau locates at beautiful Macau, an international city in southern China which embraces both eastern and western culture. University of Macau ranks 180 based on Times Higher Education World University Rankings 2025.

Female and minority researchers are encouraged to apply. Interested parties are welcome to contact Prof. Greta Mok: [gretamok@yahoo.com](mailto:gretamok@yahoo.com)