Postdoctoral Position in Computational Biofluid Dynamics and Molecular Imaging

**Position:** The Roncali laboratory in the Department of Biomedical Engineering at UC Davis ([https://roncalilab.engineering.ucdavis.edu/](https://roncalilab.engineering.ucdavis.edu/)) is looking for highly motivated individuals with an interest in translational molecular imaging, image-guided radiation therapy (nuclear medicine in particular), and biofluid simulation.

Applicants should have a doctoral degree in biomedical engineering, or mechanical engineering. Expertise in computational fluid dynamics, blood flow transportation, and medical imaging processing is required. Knowledge of nuclear medicine, radiation dosimetry, simulation, and high proficiency in computer programming is preferred. The successful applicant will work with the Departments of Biomedical Engineering, and the Department of Radiology to develop image-based dosimetry for internal radiation therapy using computational fluid dynamics. Specifically, the project aims at developing novel methods to improve the treatment of liver cancer through radioembolization, a procedure performed in Interventional Radiology. Excellent communication skills to interact with physicians at the UC Davis Medical Center are required.

**University of California, Davis:** The University is ranked 6th among U.S. public universities and the Department of Biomedical Engineering is ranked 14th in the nation in research expenditures by the NSF. Through close collaboration between the School of Veterinary Medicine (ranked 1st worldwide), the School of Medicine, and the College of Engineering, UC Davis provides unique opportunities for multidisciplinary and translational research. UC Davis is located in Northern California, within easy reach of Lake Tahoe, San Francisco, Napa Valley, Yosemite and the Northern California coast.

**Application:** Qualified candidates can apply by sending their CV, the names of two references, and a short statement of research interests to Dr. Emilie Roncali (eroncali@ucdavis.edu).